

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 71.5 m Plumín<br>40.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 19.1   | 78.0                             | 101.9                                  | 11.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 77.3                             | 101.7                                  | 11.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 75.6                             | 101.2                                  | 10.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 73.9                             | 100.6                                  | 10.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 72.2                             | 100.0                                  | 9.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 27.7   |                                  |  |                | 73.0                             | 100.0                                  | 9.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   |                                  |  |                | 72.7                             | 99.9                                   | 9.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 70.5                             | 99.3                                   | 9.6            | 71.0                             | 99.2                                   | 9.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 68.8                             | 98.5                                   | 9.3            | 69.3                             | 98.5                                   | 9.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 67.0                             | 97.7                                   | 9.1            | 67.5                             | 97.6                                   | 9.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 65.3                             | 96.8                                   | 8.9            | 65.8                             | 96.8                                   | 8.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 63.5                             | 95.8                                   | 8.7            | 64.0                             | 95.8                                   | 8.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 61.7                             | 94.7                                   | 8.5            | 62.2                             | 94.8                                   | 8.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.9   | 59.8                             | 93.6                                   | 8.3            |                                  |  |                | 65.0                             | 95.4                                   | 8.8            |                                  |  |                |                                  |  |                |
| 42.0   | 57.9                             | 92.3                                   | 8.1            | 60.3                             | 93.6                                   | 8.4            | 64.0                             | 94.9                                   | 8.8            |                                  |  |                |                                  |  |                |
| 44.0   | 56.0                             | 91.0                                   | 7.9            | 58.5                             | 92.4                                   | 8.2            | 62.2                             | 93.9                                   | 8.6            |                                  |  |                |                                  |  |                |
| 46.0   | 54.0                             | 89.6                                   | 7.8            | 56.5                             | 91.1                                   | 8.0            | 60.4                             | 92.7                                   | 8.4            |                                  |  |                |                                  |  |                |
| 48.0   | 52.0                             | 88.0                                   | 7.6            | 54.6                             | 89.7                                   | 7.9            | 58.5                             | 91.5                                   | 8.3            |                                  |  |                |                                  |  |                |
| 50.0   | 49.9                             | 86.4                                   | 7.5            | 52.5                             | 88.2                                   | 7.7            | 56.6                             | 90.2                                   | 8.1            |                                  |  |                |                                  |  |                |
| 55.0   | 44.3                             | 81.6                                   | 7.1            | 47.2                             | 83.9                                   | 7.4            | 51.6                             | 86.5                                   | 7.8            |                                  |  |                |                                  |  |                |
| 56.4   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 87.2                                   | 7.8            |                                  |  |                |
| 60.0   | 38.1                             | 75.8                                   | 6.7            | 41.4                             | 78.7                                   | 7.0            | 46.2                             | 82.1                                   | 7.4            | 51.4                             | 84.5                                   | 7.6            |                                  |  |                |
| 65.0   | 30.9                             | 68.3                                   | 6.2            | 34.8                             | 72.1                                   | 6.7            | 40.2                             | 76.6                                   | 7.1            | 46.0                             | 80.0                                   | 7.3            |                                  |  |                |
| 70.0   | 21.7                             | 58.0                                   | 5.6            | 26.8                             | 63.6                                   | 6.1            | 33.4                             | 69.8                                   | 6.8            | 40.0                             | 74.5                                   | 7.1            |                                  |  |                |
| 73.0   | 15.5                             | 50.7                                   | 4.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 75.0   |                                  |  |                | 15.4                             | 50.2                                   | 5.5            | 25.0                             | 60.6                                   | 6.4            | 33.1                             | 67.6                                   | 6.9            |                                  |  |                |
| 79.0   |                                  |  |                |                                  |  |                | 15.5                             | 49.5                                   | 6.0            |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                | 24.7                             | 58.3                                   | 6.5            |                                  |  |                |
| 82.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 63.3                                   | 6.6            |
| 84.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.8                             | 49.1                                   | 5.7            |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 30.5                             | 58.5                                   | 6.6            |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 21.0                             | 47.9                                   | 6.3            |
| 92.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.8                             | 41.7                                   | 6.1            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 74.5 m Plumín<br>31.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 19.7   | 78.0                             | 104.8                                  | 10.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 77.8                             | 104.8                                  | 10.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 76.2                             | 104.3                                  | 9.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 74.6                             | 103.7                                  | 9.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 73.0                             | 103.1                                  | 9.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 71.3                             | 102.5                                  | 8.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.5   |                                  |  |                | 73.0                             | 102.9                                  | 8.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 69.7                             | 101.7                                  | 8.6            | 71.8                             | 102.4                                  | 8.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 68.0                             | 100.9                                  | 8.4            | 70.2                             | 101.7                                  | 8.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 66.3                             | 100.1                                  | 8.2            | 68.5                             | 100.9                                  | 8.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 64.6                             | 99.1                                   | 8.0            | 66.8                             | 100.1                                  | 8.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 62.9                             | 98.1                                   | 7.8            | 65.1                             | 99.1                                   | 8.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 61.1                             | 97.0                                   | 7.7            | 63.4                             | 98.1                                   | 7.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 59.4                             | 95.9                                   | 7.5            | 61.7                             | 97.1                                   | 7.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.2   |                                  |  |                |                                  |  |                | 65.0                             | 98.2                                   | 8.0            |                                  |  |                |                                  |  |                |
| 44.0   | 57.5                             | 94.6                                   | 7.4            | 59.9                             | 95.9                                   | 7.6            | 63.4                             | 97.3                                   | 7.9            |                                  |  |                |                                  |  |                |
| 46.0   | 55.7                             | 93.3                                   | 7.2            | 58.1                             | 94.7                                   | 7.4            | 61.7                             | 96.2                                   | 7.7            |                                  |  |                |                                  |  |                |
| 48.0   | 53.8                             | 91.8                                   | 7.1            | 56.2                             | 93.4                                   | 7.3            | 59.9                             | 95.1                                   | 7.6            |                                  |  |                |                                  |  |                |
| 50.0   | 51.8                             | 90.3                                   | 7.0            | 54.3                             | 92.0                                   | 7.2            | 58.1                             | 93.8                                   | 7.5            |                                  |  |                |                                  |  |                |
| 55.0   | 46.7                             | 85.9                                   | 6.7            | 49.4                             | 88.0                                   | 6.9            | 53.4                             | 90.3                                   | 7.2            |                                  |  |                |                                  |  |                |
| 58.1   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 89.7                                   | 7.0            |                                  |  |                |
| 60.0   | 41.0                             | 80.5                                   | 6.4            | 44.0                             | 83.1                                   | 6.7            | 48.4                             | 86.2                                   | 6.9            | 53.2                             | 88.3                                   | 7.0            |                                  |  |                |
| 65.0   | 34.7                             | 74.0                                   | 6.2            | 38.1                             | 77.3                                   | 6.5            | 42.9                             | 81.2                                   | 6.8            | 48.2                             | 84.1                                   | 6.8            |                                  |  |                |
| 70.0   | 27.0                             | 65.4                                   | 5.5            | 31.2                             | 69.9                                   | 6.0            | 36.8                             | 75.1                                   | 6.6            | 42.7                             | 79.1                                   | 6.6            |                                  |  |                |
| 75.0   | 16.3                             | 52.4                                   | 4.9            | 22.4                             | 59.7                                   | 5.4            | 29.7                             | 67.3                                   | 6.2            | 36.6                             | 72.9                                   | 6.5            |                                  |  |                |
| 76.0   | 15.2                             | 51.1                                   | 4.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 78.0   |                                  |  |                | 15.0                             | 50.6                                   | 5.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                | 20.4                             | 56.3                                   | 5.7            | 29.4                             | 65.0                                   | 6.2            |                                  |  |                |
| 82.0   |                                  |  |                |                                  |  |                | 15.2                             | 49.8                                   | 5.5            |                                  |  |                |                                  |  |                |
| 84.4   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 65.1                                   | 6.1            |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                | 19.9                             | 53.8                                   | 5.9            | 34.2                             | 64.2                                   | 6.1            |
| 87.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.5                             | 49.5                                   | 5.4            |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 26.5                             | 55.5                                   | 6.1            |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.4                             | 42.1                                   | 5.7            |

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 Lastre trasero [ t ]: 124.0  
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Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 77.5 m Plumín<br>34.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.3   | 78.0                             | 107.8                                  | 9.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 76.7                             | 107.4                                  | 8.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 75.2                             | 106.8                                  | 8.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 73.7                             | 106.3                                  | 8.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 72.1                             | 105.6                                  | 8.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 29.4   |                                  |  |                | 73.0                             | 105.7                                  | 8.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 70.5                             | 104.9                                  | 7.8            | 72.5                             | 105.5                                  | 8.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 68.9                             | 104.2                                  | 7.6            | 71.0                             | 104.9                                  | 7.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 67.3                             | 103.4                                  | 7.4            | 69.4                             | 104.1                                  | 7.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 65.7                             | 102.5                                  | 7.2            | 67.8                             | 103.3                                  | 7.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 64.0                             | 101.5                                  | 7.0            | 66.2                             | 102.4                                  | 7.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 62.4                             | 100.5                                  | 6.9            | 64.5                             | 101.5                                  | 7.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 60.7                             | 99.4                                   | 6.8            | 62.9                             | 100.5                                  | 6.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 43.5   |                                  |  |                |                                  |  |                | 65.0                             | 100.9                                  | 7.1            |                                  |  |                |                                  |  |                |
| 44.0   | 58.9                             | 98.2                                   | 6.6            | 61.2                             | 99.4                                   | 6.8            | 64.6                             | 100.6                                  | 7.1            |                                  |  |                |                                  |  |                |
| 46.0   | 57.2                             | 96.9                                   | 6.5            | 59.4                             | 98.2                                   | 6.6            | 62.9                             | 99.6                                   | 7.0            |                                  |  |                |                                  |  |                |
| 48.0   | 55.4                             | 95.5                                   | 6.3            | 57.7                             | 97.0                                   | 6.5            | 61.2                             | 98.5                                   | 6.8            |                                  |  |                |                                  |  |                |
| 50.0   | 53.5                             | 94.1                                   | 6.2            | 55.9                             | 95.7                                   | 6.4            | 59.5                             | 97.3                                   | 6.7            |                                  |  |                |                                  |  |                |
| 55.0   | 48.7                             | 90.0                                   | 6.0            | 51.3                             | 91.9                                   | 6.1            | 55.0                             | 94.1                                   | 6.4            |                                  |  |                |                                  |  |                |
| 59.9   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 92.1                                   | 6.2            |                                  |  |                |
| 60.0   | 43.5                             | 85.1                                   | 5.8            | 46.3                             | 87.4                                   | 5.9            | 50.3                             | 90.2                                   | 6.1            | 54.9                             | 92.0                                   | 6.2            |                                  |  |                |
| 65.0   | 37.8                             | 79.1                                   | 5.5            | 40.8                             | 82.0                                   | 5.7            | 45.3                             | 85.5                                   | 5.9            | 50.2                             | 88.1                                   | 6.0            |                                  |  |                |
| 70.0   | 31.1                             | 71.7                                   | 5.2            | 34.7                             | 75.5                                   | 5.5            | 39.7                             | 80.0                                   | 5.8            | 45.1                             | 83.4                                   | 5.8            |                                  |  |                |
| 75.0   | 22.8                             | 61.6                                   | 4.7            | 27.4                             | 67.0                                   | 5.1            | 33.4                             | 73.1                                   | 5.6            | 39.5                             | 77.8                                   | 5.7            |                                  |  |                |
| 78.0   | 16.0                             | 52.8                                   | 4.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                | 17.5                             | 54.5                                   | 4.7            | 25.8                             | 64.1                                   | 5.3            | 33.2                             | 70.9                                   | 5.5            |                                  |  |                |
| 81.0   |                                  |  |                | 16.5                             | 53.3                                   | 4.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                | 16.6                             | 52.5                                   | 4.6            | 25.5                             | 61.8                                   | 5.4            |                                  |  |                |
| 86.9   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.1                             | 49.9                                   | 4.8            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 66.8                                   | 5.3            |
| 98.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 30.7                             | 61.9                                   | 5.2            |
|  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 22.2                             | 51.6                                   | 5.2            |
|  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.1                             | 42.4                                   | 5.1            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 80.5 m Plumín<br>37.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 21.0   | 78.0                             | 110.7                                  | 8.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 77.2                             | 110.5                                  | 8.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 75.8                             | 110.0                                  | 7.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 74.3                             | 109.4                                  | 7.6            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 72.8                             | 108.8                                  | 7.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 71.3                             | 108.1                                  | 7.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.3   |                                  |  |                | 73.0                             | 108.6                                  | 7.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 69.8                             | 107.4                                  | 6.9            | 71.7                             | 108.0                                  | 7.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 68.2                             | 106.6                                  | 6.7            | 70.2                             | 107.3                                  | 7.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 66.7                             | 105.8                                  | 6.5            | 68.7                             | 106.6                                  | 6.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 65.1                             | 104.8                                  | 6.4            | 67.1                             | 105.7                                  | 6.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 63.5                             | 103.9                                  | 6.2            | 65.5                             | 104.8                                  | 6.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 61.9                             | 102.8                                  | 6.1            | 64.0                             | 103.9                                  | 6.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 60.2                             | 101.7                                  | 6.0            | 62.3                             | 102.8                                  | 6.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.7   |                                  |  |                |                                  |  |                | 65.0                             | 103.6                                  | 6.3            |                                  |  |                |                                  |  |                |
| 46.0   | 58.6                             | 100.5                                  | 5.9            | 60.7                             | 101.7                                  | 6.0            | 64.0                             | 103.0                                  | 6.3            |                                  |  |                |                                  |  |                |
| 48.0   | 56.9                             | 99.2                                   | 5.7            | 59.0                             | 100.5                                  | 5.9            | 62.4                             | 101.9                                  | 6.2            |                                  |  |                |                                  |  |                |
| 50.0   | 55.1                             | 97.8                                   | 5.6            | 57.4                             | 99.3                                   | 5.8            | 60.7                             | 100.8                                  | 6.0            |                                  |  |                |                                  |  |                |
| 55.0   | 50.6                             | 93.9                                   | 5.4            | 53.0                             | 95.7                                   | 5.5            | 56.5                             | 97.7                                   | 5.7            |                                  |  |                |                                  |  |                |
| 60.0   | 45.8                             | 89.4                                   | 5.2            | 48.3                             | 91.5                                   | 5.3            | 52.1                             | 94.1                                   | 5.5            |                                  |  |                |                                  |  |                |
| 61.6   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 94.6                                   | 5.5            |                                  |  |                |
| 65.0   | 40.5                             | 83.9                                   | 5.0            | 43.3                             | 86.6                                   | 5.1            | 47.4                             | 89.7                                   | 5.3            | 51.9                             | 92.0                                   | 5.4            |                                  |  |                |
| 70.0   | 34.6                             | 77.3                                   | 4.9            | 37.7                             | 80.6                                   | 4.9            | 42.3                             | 84.6                                   | 5.1            | 47.2                             | 87.6                                   | 5.2            |                                  |  |                |
| 75.0   | 27.5                             | 68.8                                   | 4.5            | 31.3                             | 73.2                                   | 4.7            | 36.6                             | 78.4                                   | 5.0            | 42.1                             | 82.5                                   | 5.0            |                                  |  |                |
| 80.0   | 18.2                             | 56.6                                   | 4.0            | 23.5                             | 63.3                                   | 4.4            | 30.0                             | 70.6                                   | 4.8            | 36.4                             | 76.2                                   | 4.9            |                                  |  |                |
| 81.0   | 15.7                             | 53.2                                   | 4.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 84.0   |                                  |  |                | 16.2                             | 53.7                                   | 3.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                | 21.6                             | 60.0                                   | 4.7            | 29.7                             | 68.4                                   | 4.8            |                                  |  |                |
| 88.0   |                                  |  |                |                                  |  |                | 16.3                             | 52.9                                   | 4.2            |                                  |  |                |                                  |  |                |
| 89.4   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 68.5                                   | 4.6            |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                | 21.3                             | 57.6                                   | 4.8            | 34.2                             | 67.6                                   | 4.6            |
| 93.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.8                             | 50.4                                   | 4.4            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 27.1                             | 58.9                                   | 4.6            |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.5                             | 46.4                                   | 4.6            |
| 101.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.5                             | 45.1                                   | 4.1            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 83.5 m Plumín<br>40.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 21.6   | 78.0                             | 113.6                                  | 7.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 77.7                             | 113.5                                  | 7.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 76.3                             | 113.1                                  | 7.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 74.9                             | 112.5                                  | 6.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 73.4                             | 111.9                                  | 6.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 72.0                             | 111.3                                  | 6.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 31.2   |                                  |  |                | 73.0                             | 111.5                                  | 6.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 70.5                             | 110.6                                  | 6.3            | 72.4                             | 111.2                                  | 6.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 69.0                             | 109.8                                  | 6.1            | 70.9                             | 110.5                                  | 6.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 67.6                             | 109.0                                  | 6.0            | 69.5                             | 109.8                                  | 6.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 66.0                             | 108.1                                  | 5.8            | 68.0                             | 109.0                                  | 6.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 64.5                             | 107.2                                  | 5.7            | 66.5                             | 108.1                                  | 5.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 63.0                             | 106.2                                  | 5.6            | 65.0                             | 107.2                                  | 5.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 61.4                             | 105.1                                  | 5.5            | 63.4                             | 106.2                                  | 5.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 59.8                             | 104.0                                  | 5.3            | 61.9                             | 105.2                                  | 5.5            | 65.0                             | 106.3                                  | 5.7            |                                  |  |                |                                  |  |                |
| 48.0   | 58.2                             | 102.7                                  | 5.2            | 60.3                             | 104.0                                  | 5.4            | 63.5                             | 105.3                                  | 5.6            |                                  |  |                |                                  |  |                |
| 50.0   | 56.6                             | 101.4                                  | 5.1            | 58.7                             | 102.8                                  | 5.2            | 61.9                             | 104.3                                  | 5.5            |                                  |  |                |                                  |  |                |
| 55.0   | 52.3                             | 97.8                                   | 4.9            | 54.5                             | 99.5                                   | 5.0            | 57.9                             | 101.3                                  | 5.2            |                                  |  |                |                                  |  |                |
| 60.0   | 47.8                             | 93.5                                   | 4.6            | 50.1                             | 95.5                                   | 4.8            | 53.7                             | 97.8                                   | 5.0            |                                  |  |                |                                  |  |                |
| 63.3   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 97.0                                   | 4.9            |                                  |  |                |
| 65.0   | 42.9                             | 88.5                                   | 4.4            | 45.5                             | 90.9                                   | 4.6            | 49.3                             | 93.8                                   | 4.8            | 53.5                             | 95.8                                   | 4.9            |                                  |  |                |
| 70.0   | 37.5                             | 82.4                                   | 4.2            | 40.3                             | 85.4                                   | 4.4            | 44.5                             | 89.0                                   | 4.6            | 49.1                             | 91.7                                   | 4.7            |                                  |  |                |
| 75.0   | 31.3                             | 75.0                                   | 4.0            | 34.6                             | 78.8                                   | 4.2            | 39.3                             | 83.3                                   | 4.4            | 44.3                             | 86.9                                   | 4.5            |                                  |  |                |
| 80.0   | 23.8                             | 65.2                                   | 3.7            | 27.9                             | 70.4                                   | 4.0            | 33.4                             | 76.4                                   | 4.3            | 39.1                             | 81.2                                   | 4.3            |                                  |  |                |
| 84.0   | 15.4                             | 53.6                                   | 3.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                | 19.1                             | 58.6                                   | 3.7            | 26.4                             | 67.5                                   | 4.1            | 33.2                             | 74.2                                   | 4.2            |                                  |  |                |
| 87.0   |                                  |  |                | 15.9                             | 54.1                                   | 3.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                | 16.9                             | 54.7                                   | 4.0            | 26.1                             | 65.2                                   | 4.1            |                                  |  |                |
| 91.0   |                                  |  |                |                                  |  |                | 16.0                             | 53.4                                   | 3.5            |                                  |  |                |                                  |  |                |
| 91.8   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 70.2                                   | 4.0            |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.5                             | 52.1                                   | 4.1            | 30.9                             | 65.2                                   | 4.0            |
| 96.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.5                             | 50.8                                   | 3.6            |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 23.2                             | 55.2                                   | 4.0            |
| 104.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.2                             | 45.6                                   | 3.5            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 86.5 m Plumín<br>43.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.2   | 78.0                             | 116.6                                  | 6.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 76.8                             | 116.1                                  | 6.6            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 75.4                             | 115.6                                  | 6.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 74.0                             | 115.1                                  | 6.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 72.6                             | 114.5                                  | 6.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 71.2                             | 113.8                                  | 5.8            | 73.0                             | 114.3                                  | 5.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 69.8                             | 113.1                                  | 5.7            | 71.6                             | 113.7                                  | 5.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 68.4                             | 112.3                                  | 5.5            | 70.2                             | 113.0                                  | 5.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 66.9                             | 111.4                                  | 5.4            | 68.8                             | 112.2                                  | 5.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 65.5                             | 110.5                                  | 5.2            | 67.4                             | 111.4                                  | 5.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 64.0                             | 109.6                                  | 5.1            | 65.9                             | 110.5                                  | 5.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 62.5                             | 108.5                                  | 5.0            | 64.4                             | 109.6                                  | 5.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 61.0                             | 107.4                                  | 4.9            | 62.9                             | 108.6                                  | 5.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 47.3   |                                  |  |                |                                  |  |                | 65.0                             | 109.0                                  | 5.1            |                                  |  |                |                                  |  |                |
| 48.0   | 59.4                             | 106.3                                  | 4.8            | 61.4                             | 107.5                                  | 5.0            | 64.5                             | 108.7                                  | 5.1            |                                  |  |                |                                  |  |                |
| 50.0   | 57.9                             | 105.0                                  | 4.7            | 59.9                             | 106.3                                  | 4.8            | 63.0                             | 107.7                                  | 5.1            |                                  |  |                |                                  |  |                |
| 55.0   | 53.8                             | 101.6                                  | 4.5            | 55.9                             | 103.1                                  | 4.6            | 59.1                             | 104.8                                  | 4.8            |                                  |  |                |                                  |  |                |
| 60.0   | 49.6                             | 97.5                                   | 4.3            | 51.8                             | 99.4                                   | 4.4            | 55.2                             | 101.6                                  | 4.5            |                                  |  |                |                                  |  |                |
| 65.0   | 45.0                             | 92.8                                   | 4.0            | 47.4                             | 95.1                                   | 4.1            | 51.0                             | 97.7                                   | 4.4            | 55.0                             | 99.5                                   | 4.4            |                                  |  |                |
| 70.0   | 40.0                             | 87.3                                   | 3.8            | 42.7                             | 90.0                                   | 3.9            | 46.5                             | 93.3                                   | 4.2            | 50.8                             | 95.6                                   | 4.3            |                                  |  |                |
| 75.0   | 34.5                             | 80.6                                   | 3.6            | 37.4                             | 83.9                                   | 3.7            | 41.7                             | 88.0                                   | 4.0            | 46.3                             | 91.2                                   | 4.1            |                                  |  |                |
| 80.0   | 28.0                             | 72.2                                   | 3.4            | 31.5                             | 76.5                                   | 3.6            | 36.4                             | 81.7                                   | 3.8            | 41.5                             | 85.9                                   | 3.9            |                                  |  |                |
| 85.0   | 19.6                             | 60.6                                   | 3.1            | 24.3                             | 66.9                                   | 3.4            | 30.3                             | 74.0                                   | 3.6            | 36.2                             | 79.5                                   | 3.8            |                                  |  |                |
| 87.0   | 15.1                             | 54.0                                   | 3.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                | 15.6                             | 54.5                                   | 2.7            | 22.7                             | 63.7                                   | 3.5            | 30.0                             | 71.7                                   | 3.7            |                                  |  |                |
| 94.0   |                                  |  |                |                                  |  |                | 15.7                             | 53.8                                   | 2.9            |                                  |  |                |                                  |  |                |
| 94.3   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 71.9                                   | 3.5            |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 34.1                             | 70.9                                   | 3.5            |
| 99.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 105.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 27.6                             | 62.3                                   | 3.5            |
| 107.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 19.0                             | 50.5                                   | 3.5            |
|  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.9                             | 46.0                                   | 3.0            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 89.5 m Plumín<br>46.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.8   | 78.0                             | 119.5                                  | 5.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 77.2                             | 119.2                                  | 5.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 75.9                             | 118.7                                  | 5.6            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 74.6                             | 118.2                                  | 5.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 73.2                             | 117.6                                  | 5.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 71.9                             | 117.0                                  | 5.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.9   |                                  |  |                | 73.0                             | 117.2                                  | 5.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 70.5                             | 116.3                                  | 5.0            | 72.3                             | 116.9                                  | 5.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 69.1                             | 115.5                                  | 4.9            | 70.9                             | 116.2                                  | 5.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 67.8                             | 114.7                                  | 4.7            | 69.5                             | 115.4                                  | 4.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 66.4                             | 113.8                                  | 4.6            | 68.2                             | 114.6                                  | 4.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 64.9                             | 112.9                                  | 4.5            | 66.8                             | 113.8                                  | 4.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 63.5                             | 111.9                                  | 4.3            | 65.3                             | 112.9                                  | 4.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 62.1                             | 110.9                                  | 4.3            | 63.9                             | 111.9                                  | 4.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 60.6                             | 109.7                                  | 4.2            | 62.5                             | 110.9                                  | 4.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.5   |                                  |  |                |                                  |  |                | 65.0                             | 111.7                                  | 4.4            |                                  |  |                |                                  |  |                |
| 50.0   | 59.1                             | 108.6                                  | 4.0            | 61.0                             | 109.8                                  | 4.2            | 64.0                             | 111.0                                  | 4.4            |                                  |  |                |                                  |  |                |
| 55.0   | 55.2                             | 105.3                                  | 3.8            | 57.2                             | 106.7                                  | 3.9            | 60.3                             | 108.3                                  | 4.1            |                                  |  |                |                                  |  |                |
| 60.0   | 51.2                             | 101.5                                  | 3.6            | 53.3                             | 103.2                                  | 3.7            | 56.5                             | 105.2                                  | 3.9            |                                  |  |                |                                  |  |                |
| 65.0   | 46.9                             | 97.1                                   | 3.4            | 49.2                             | 99.1                                   | 3.5            | 52.5                             | 101.6                                  | 3.7            |                                  |  |                |                                  |  |                |
| 66.7   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 101.9                                  | 3.7            |                                  |  |                |
| 70.0   | 42.3                             | 91.9                                   | 3.2            | 44.7                             | 94.4                                   | 3.3            | 48.3                             | 97.4                                   | 3.5            | 52.4                             | 99.5                                   | 3.6            |                                  |  |                |
| 75.0   | 37.2                             | 85.8                                   | 3.0            | 39.9                             | 88.8                                   | 3.2            | 43.8                             | 92.5                                   | 3.4            | 48.2                             | 95.3                                   | 3.5            |                                  |  |                |
| 80.0   | 31.5                             | 78.3                                   | 2.9            | 34.6                             | 82.1                                   | 3.0            | 38.9                             | 86.7                                   | 3.2            | 43.7                             | 90.3                                   | 3.3            |                                  |  |                |
| 85.0   | 24.5                             | 68.7                                   | 2.7            | 28.3                             | 73.8                                   | 2.8            | 33.4                             | 79.7                                   | 3.1            | 38.7                             | 84.5                                   | 3.2            |                                  |  |                |
| 90.0   | 16.4                             | 56.7                                   | 2.2            | 20.4                             | 62.5                                   | 2.7            | 27.0                             | 71.0                                   | 2.9            | 33.2                             | 77.5                                   | 3.1            |                                  |  |                |
| 93.0   |                                  |  |                | 15.3                             | 54.9                                   | 2.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                | 18.5                             | 58.8                                   | 2.8            | 26.7                             | 68.7                                   | 2.9            |                                  |  |                |
| 96.7   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 73.7                                   | 2.9            |
| 97.0   |                                  |  |                |                                  |  |                | 15.4                             | 54.2                                   | 2.3            |                                  |  |                |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                | 18.1                             | 56.3                                   | 2.8            | 31.1                             | 68.5                                   | 2.9            |
| 101.0  |                                  |  |                |                                  |  |                |                                  |  |                | 15.9                             | 52.9                                   | 2.8            |                                  |  |                |
| 105.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 24.1                             | 58.8                                   | 2.8            |
| 110.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.6                             | 46.4                                   | 2.4            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 92.5 m Plumín<br>49.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 23.5   | 78.0                             | 122.4                                  | 5.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 77.7                             | 122.3                                  | 5.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 76.4                             | 121.8                                  | 5.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 75.1                             | 121.3                                  | 4.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 73.8                             | 120.7                                  | 4.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 72.5                             | 120.1                                  | 4.6            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 33.8   |                                  |  |                | 73.0                             | 120.1                                  | 4.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 71.2                             | 119.4                                  | 4.4            | 72.9                             | 120.0                                  | 4.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 69.9                             | 118.7                                  | 4.3            | 71.6                             | 119.4                                  | 4.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 68.5                             | 117.9                                  | 4.2            | 70.2                             | 118.6                                  | 4.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 67.2                             | 117.1                                  | 4.0            | 68.9                             | 117.9                                  | 4.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 65.8                             | 116.2                                  | 3.9            | 67.6                             | 117.1                                  | 4.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 64.4                             | 115.3                                  | 3.8            | 66.2                             | 116.2                                  | 4.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 63.0                             | 114.3                                  | 3.7            | 64.8                             | 115.3                                  | 3.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 61.6                             | 113.2                                  | 3.6            | 63.4                             | 114.3                                  | 3.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 49.8   |                                  |  |                |                                  |  |                | 65.0                             | 114.5                                  | 3.8            |                                  |  |                |                                  |  |                |
| 50.0   | 60.2                             | 112.1                                  | 3.5            | 62.0                             | 113.2                                  | 3.7            | 64.9                             | 114.4                                  | 3.8            |                                  |  |                |                                  |  |                |
| 55.0   | 56.5                             | 108.9                                  | 3.3            | 58.4                             | 110.3                                  | 3.4            | 61.4                             | 111.8                                  | 3.6            |                                  |  |                |                                  |  |                |
| 60.0   | 52.7                             | 105.3                                  | 3.1            | 54.7                             | 106.9                                  | 3.2            | 57.7                             | 108.8                                  | 3.4            |                                  |  |                |                                  |  |                |
| 65.0   | 48.7                             | 101.1                                  | 2.9            | 50.8                             | 103.1                                  | 3.0            | 54.0                             | 105.3                                  | 3.2            |                                  |  |                |                                  |  |                |
| 68.5   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 104.4                                  | 3.1            |                                  |  |                |
| 70.0   | 44.3                             | 96.3                                   | 2.8            | 46.6                             | 98.6                                   | 2.9            | 50.0                             | 101.4                                  | 3.0            | 53.8                             | 103.3                                  | 3.1            |                                  |  |                |
| 75.0   | 39.6                             | 90.7                                   | 2.6            | 42.1                             | 93.4                                   | 2.7            | 45.8                             | 96.8                                   | 2.9            | 49.8                             | 99.3                                   | 2.9            |                                  |  |                |
| 80.0   | 34.4                             | 83.9                                   | 2.5            | 37.2                             | 87.3                                   | 2.6            | 41.2                             | 91.4                                   | 2.7            | 45.6                             | 94.7                                   | 2.8            |                                  |  |                |
| 85.0   | 28.4                             | 75.6                                   | 2.3            | 31.6                             | 79.8                                   | 2.4            | 36.2                             | 85.0                                   | 2.6            | 41.0                             | 89.3                                   | 2.7            |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                | 30.5                             | 77.3                                   | 2.5            | 36.0                             | 82.9                                   | 2.6            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                | 23.5                             | 67.3                                   | 2.3            | 30.2                             | 75.1                                   | 2.5            |                                  |  |                |
| 99.2   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 75.4                                   | 2.4            |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                | 23.2                             | 64.9                                   | 2.4            | 34.1                             | 74.2                                   | 2.4            |
| 105.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 28.0                             | 65.7                                   | 2.3            |



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 95.5 m Plumín<br>52.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.1   | 78.0                             | 125.4                                  | 4.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 76.8                             | 124.9                                  | 4.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 75.6                             | 124.4                                  | 4.6            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 74.3                             | 123.9                                  | 4.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 73.1                             | 123.3                                  | 4.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 71.8                             | 122.6                                  | 4.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.7   |                                  |  |                | 73.0                             | 122.9                                  | 4.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 70.5                             | 121.9                                  | 4.0            | 72.2                             | 122.5                                  | 4.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 69.2                             | 121.2                                  | 3.9            | 70.9                             | 121.8                                  | 4.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 67.9                             | 120.4                                  | 3.8            | 69.6                             | 121.1                                  | 3.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 66.6                             | 119.5                                  | 3.7            | 68.3                             | 120.3                                  | 3.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 65.3                             | 118.6                                  | 3.6            | 67.0                             | 119.5                                  | 3.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 64.0                             | 117.6                                  | 3.5            | 65.7                             | 118.6                                  | 3.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 62.6                             | 116.6                                  | 3.4            | 64.3                             | 117.6                                  | 3.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0   | 61.2                             | 115.5                                  | 3.3            | 63.0                             | 116.6                                  | 3.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 51.1   |                                  |  |                |                                  |  |                | 65.0                             | 117.2                                  | 3.5            |                                  |  |                |                                  |  |                |
| 55.0   | 57.7                             | 112.5                                  | 3.0            | 59.5                             | 113.8                                  | 3.2            | 62.3                             | 115.2                                  | 3.4            |                                  |  |                |                                  |  |                |
| 60.0   | 54.1                             | 109.1                                  | 2.8            | 56.0                             | 110.6                                  | 2.9            | 58.9                             | 112.3                                  | 3.2            |                                  |  |                |                                  |  |                |
| 65.0   | 50.2                             | 105.1                                  | 2.6            | 52.2                             | 106.9                                  | 2.7            | 55.3                             | 109.0                                  | 2.9            |                                  |  |                |                                  |  |                |
| 70.0   | 46.2                             | 100.6                                  | 2.3            | 48.3                             | 102.7                                  | 2.5            | 51.5                             | 105.3                                  | 2.7            |                                  |  |                |                                  |  |                |
| 70.2   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 106.9                                  | 2.8            |                                  |  |                |
| 75.0   |                                  |  |                |                                  |  |                | 47.5                             | 100.9                                  | 2.5            | 51.4                             | 103.2                                  | 2.7            |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                | 47.4                             | 98.8                                   | 2.4            |                                  |  |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 38.5 m Plumín<br>16.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 12.3   | 78.0                             | 72.6                                   | 64.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 13.0   | 76.9                             | 72.4                                   | 64.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.0   | 75.4                             | 72.2                                   | 59.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 72.3                             | 71.6                                   | 50.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 69.1                             | 70.8                                   | 43.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.4   |                                  |  |                | 73.0                             | 71.4                                   | 53.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 65.8                             | 70.0                                   | 36.8           | 70.4                             | 70.8                                   | 51.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 62.5                             | 69.0                                   | 31.7           | 67.2                             | 70.0                                   | 46.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 59.1                             | 67.8                                   | 28.2           | 63.9                             | 69.1                                   | 40.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 55.5                             | 66.5                                   | 25.2           | 60.5                             | 68.0                                   | 36.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 27.8   |                                  |  |                |                                  |  |                | 65.0                             | 68.4                                   | 37.1           |                                  |  |                |                                  |  |                |
| 28.0   | 51.8                             | 65.0                                   | 22.9           | 57.0                             | 66.8                                   | 32.0           | 64.7                             | 68.3                                   | 37.1           |                                  |  |                |                                  |  |                |
| 30.0   | 47.8                             | 63.2                                   | 21.2           | 53.4                             | 65.3                                   | 28.8           | 61.3                             | 67.3                                   | 35.1           |                                  |  |                |                                  |  |                |
| 32.0   | 43.6                             | 61.2                                   | 19.6           | 49.5                             | 63.7                                   | 26.4           | 57.8                             | 66.1                                   | 33.2           |                                  |  |                |                                  |  |                |
| 34.0   | 39.0                             | 58.9                                   | 18.3           | 45.4                             | 61.8                                   | 24.1           | 54.2                             | 64.7                                   | 31.0           |                                  |  |                |                                  |  |                |
| 36.0   | 33.9                             | 56.1                                   | 17.2           | 41.0                             | 59.6                                   | 22.1           | 50.4                             | 63.1                                   | 29.3           |                                  |  |                |                                  |  |                |
| 38.0   | 28.0                             | 52.6                                   | 16.3           | 36.1                             | 57.0                                   | 20.5           | 46.4                             | 61.2                                   | 27.6           |                                  |  |                |                                  |  |                |
| 38.8   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 62.9                                   | 24.5           |                                  |  |                |
| 40.0   | 20.5                             | 48.0                                   | 15.3           | 30.6                             | 53.9                                   | 19.2           | 42.0                             | 59.1                                   | 26.1           | 52.9                             | 62.0                                   | 25.2           |                                  |  |                |
| 41.0   | 15.4                             | 44.8                                   | 14.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   |                                  |  |                | 23.9                             | 49.9                                   | 17.8           | 37.3                             | 56.6                                   | 24.8           | 49.0                             | 60.4                                   | 23.7           |                                  |  |                |
| 44.0   |                                  |  |                | 16.4                             | 45.1                                   | 15.1           | 31.9                             | 53.7                                   | 23.4           | 44.9                             | 58.4                                   | 22.7           |                                  |  |                |
| 46.0   |                                  |  |                |                                  |  |                | 25.6                             | 49.9                                   | 21.8           | 40.4                             | 56.2                                   | 21.6           |                                  |  |                |
| 48.0   |                                  |  |                |                                  |  |                | 17.1                             | 44.5                                   | 20.1           | 35.5                             | 53.6                                   | 20.8           |                                  |  |                |
| 50.0   |                                  |  |                |                                  |  |                |                                  |  |                | 29.9                             | 50.4                                   | 20.0           |                                  |  |                |
| 53.0   |                                  |  |                |                                  |  |                |                                  |  |                | 18.6                             | 43.4                                   | 18.7           |                                  |  |                |
| 57.1   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 46.5                                   | 14.0           |
| 60.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 27.0                             | 41.9                                   | 14.3           |
| 63.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.7                             | 34.8                                   | 12.6           |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 41.5 m Plumín<br>19.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 12.9   | 78.0                             | 75.5                                   | 58.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 13.0   | 77.9                             | 75.5                                   | 58.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.0   | 76.4                             | 75.3                                   | 57.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 73.6                             | 74.7                                   | 50.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 70.7                             | 74.0                                   | 42.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 19.2   |                                  |  |                | 73.0                             | 74.3                                   | 49.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 67.7                             | 73.2                                   | 36.7           | 71.9                             | 74.0                                   | 49.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 64.7                             | 72.3                                   | 31.3           | 68.9                             | 73.3                                   | 44.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 61.5                             | 71.3                                   | 27.5           | 65.9                             | 72.4                                   | 40.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 58.3                             | 70.1                                   | 24.8           | 62.9                             | 71.4                                   | 36.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 55.0                             | 68.7                                   | 22.6           | 59.7                             | 70.3                                   | 32.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 29.0   |                                  |  |                |                                  |  |                | 65.0                             | 71.1                                   | 30.1           |                                  |  |                |                                  |  |                |
| 30.0   | 51.5                             | 67.2                                   | 20.8           | 56.4                             | 69.0                                   | 29.1           | 63.6                             | 70.7                                   | 34.7           |                                  |  |                |                                  |  |                |
| 32.0   | 47.8                             | 65.5                                   | 19.3           | 53.0                             | 67.6                                   | 26.4           | 60.4                             | 69.6                                   | 32.3           |                                  |  |                |                                  |  |                |
| 34.0   | 44.0                             | 63.5                                   | 18.0           | 49.4                             | 65.9                                   | 24.2           | 57.2                             | 68.3                                   | 30.5           |                                  |  |                |                                  |  |                |
| 36.0   | 39.7                             | 61.2                                   | 16.8           | 45.6                             | 64.0                                   | 22.2           | 53.8                             | 66.9                                   | 28.6           |                                  |  |                |                                  |  |                |
| 38.0   | 35.1                             | 58.5                                   | 15.8           | 41.6                             | 61.9                                   | 20.5           | 50.2                             | 65.3                                   | 27.2           |                                  |  |                |                                  |  |                |
| 40.0   | 29.9                             | 55.3                                   | 15.0           | 37.1                             | 59.4                                   | 18.9           | 46.5                             | 63.5                                   | 25.7           |                                  |  |                |                                  |  |                |
| 40.5   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 65.3                                   | 23.0           |                                  |  |                |
| 42.0   | 23.6                             | 51.1                                   | 14.2           | 32.2                             | 56.4                                   | 17.7           | 42.5                             | 61.4                                   | 24.3           | 52.6                             | 64.3                                   | 23.6           |                                  |  |                |
| 44.0   | 16.6                             | 46.4                                   | 12.6           | 26.4                             | 52.7                                   | 16.6           | 38.2                             | 59.0                                   | 23.2           | 49.0                             | 62.6                                   | 22.2           |                                  |  |                |
| 46.0   |                                  |  |                | 19.0                             | 47.7                                   | 15.4           | 33.4                             | 56.1                                   | 22.0           | 45.1                             | 60.7                                   | 21.2           |                                  |  |                |
| 47.0   |                                  |  |                | 15.7                             | 45.5                                   | 14.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   |                                  |  |                |                                  |  |                | 27.8                             | 52.6                                   | 20.5           | 41.0                             | 58.5                                   | 20.3           |                                  |  |                |
| 50.0   |                                  |  |                |                                  |  |                | 20.9                             | 48.0                                   | 19.0           | 36.6                             | 55.9                                   | 19.6           |                                  |  |                |
| 51.0   |                                  |  |                |                                  |  |                | 16.4                             | 45.0                                   | 18.3           |                                  |  |                |                                  |  |                |
| 55.0   |                                  |  |                |                                  |  |                |                                  |  |                | 22.1                             | 46.8                                   | 17.6           |                                  |  |                |
| 56.0   |                                  |  |                |                                  |  |                |                                  |  |                | 17.9                             | 43.9                                   | 17.2           |                                  |  |                |
| 59.5   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 48.2                                   | 13.2           |
| 60.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 34.4                             | 47.9                                   | 14.0           |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 18.4                             | 37.5                                   | 12.5           |
| 66.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.1                             | 35.2                                   | 11.6           |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 44.5 m Plumín<br>22.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 13.5   | 78.0                             | 78.5                                   | 53.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.0   | 77.4                             | 78.4                                   | 53.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 74.7                             | 77.8                                   | 48.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 72.0                             | 77.2                                   | 42.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 69.3                             | 76.5                                   | 36.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.1   |                                  |  |                | 73.0                             | 77.2                                   | 45.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 66.5                             | 75.6                                   | 31.3           | 70.4                             | 76.5                                   | 43.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 63.6                             | 74.7                                   | 27.1           | 67.7                             | 75.7                                   | 40.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 60.7                             | 73.6                                   | 24.3           | 64.8                             | 74.8                                   | 36.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 57.7                             | 72.4                                   | 22.2           | 61.9                             | 73.8                                   | 32.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 54.5                             | 71.0                                   | 20.5           | 59.0                             | 72.6                                   | 29.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.3   |                                  |  |                |                                  |  |                | 65.0                             | 73.9                                   | 32.7           |                                  |  |                |                                  |  |                |
| 32.0   | 51.3                             | 69.4                                   | 19.1           | 55.9                             | 71.3                                   | 26.7           | 62.6                             | 73.0                                   | 32.0           |                                  |  |                |                                  |  |                |
| 34.0   | 47.9                             | 67.7                                   | 17.9           | 52.7                             | 69.8                                   | 24.4           | 59.6                             | 71.9                                   | 29.9           |                                  |  |                |                                  |  |                |
| 36.0   | 44.2                             | 65.7                                   | 16.7           | 49.3                             | 68.1                                   | 22.5           | 56.6                             | 70.6                                   | 28.2           |                                  |  |                |                                  |  |                |
| 38.0   | 40.4                             | 63.5                                   | 15.6           | 45.8                             | 66.3                                   | 20.7           | 53.4                             | 69.2                                   | 26.6           |                                  |  |                |                                  |  |                |
| 40.0   | 36.1                             | 60.9                                   | 14.7           | 42.0                             | 64.1                                   | 19.1           | 50.1                             | 67.5                                   | 25.4           |                                  |  |                |                                  |  |                |
| 42.0   | 31.4                             | 57.8                                   | 14.0           | 38.0                             | 61.7                                   | 17.7           | 46.6                             | 65.7                                   | 24.1           |                                  |  |                |                                  |  |                |
| 42.2   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 67.8                                   | 21.4           |                                  |  |                |
| 44.0   | 25.9                             | 54.0                                   | 13.2           | 33.5                             | 58.8                                   | 16.6           | 42.9                             | 63.7                                   | 22.8           | 52.3                             | 66.5                                   | 22.1           |                                  |  |                |
| 46.0   | 19.0                             | 49.0                                   | 12.5           | 28.4                             | 55.4                                   | 15.6           | 38.9                             | 61.3                                   | 21.7           | 48.9                             | 64.8                                   | 20.8           |                                  |  |                |
| 47.0   | 16.0                             | 46.8                                   | 11.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   |                                  |  |                | 22.2                             | 51.0                                   | 14.6           | 34.5                             | 58.5                                   | 20.7           | 45.4                             | 62.9                                   | 19.9           |                                  |  |                |
| 50.0   |                                  |  |                | 15.2                             | 45.9                                   | 12.8           | 29.6                             | 55.3                                   | 19.4           | 41.6                             | 60.8                                   | 19.1           |                                  |  |                |
| 54.0   |                                  |  |                |                                  |  |                | 15.8                             | 45.4                                   | 16.8           |                                  |  |                |                                  |  |                |
| 55.0   |                                  |  |                |                                  |  |                |                                  |  |                | 30.4                             | 53.7                                   | 17.4           |                                  |  |                |
| 59.0   |                                  |  |                |                                  |  |                |                                  |  |                | 17.2                             | 44.3                                   | 15.8           |                                  |  |                |
| 62.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 50.0                                   | 12.3           |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 28.0                             | 45.3                                   | 12.4           |
| 68.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.8                             | 38.0                                   | 11.6           |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 47.5 m Plumín<br>25.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.2   | 78.0                             | 81.4                                   | 48.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 75.7                             | 81.0                                   | 46.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 73.2                             | 80.4                                   | 42.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 70.6                             | 79.7                                   | 35.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 21.0   |                                  |  |                | 73.0                             | 80.0                                   | 42.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 68.1                             | 78.9                                   | 31.1           | 71.7                             | 79.7                                   | 42.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 65.4                             | 78.0                                   | 27.1           | 69.1                             | 78.9                                   | 38.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 62.7                             | 77.0                                   | 24.0           | 66.5                             | 78.1                                   | 35.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 60.0                             | 75.9                                   | 21.9           | 63.9                             | 77.2                                   | 32.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 57.1                             | 74.6                                   | 20.1           | 61.1                             | 76.1                                   | 30.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 31.6   |                                  |  |                |                                  |  |                | 65.0                             | 76.6                                   | 30.8           |                                  |  |                |                                  |  |                |
| 32.0   | 54.2                             | 73.2                                   | 18.6           | 58.3                             | 74.9                                   | 27.0           | 64.5                             | 76.4                                   | 30.8           |                                  |  |                |                                  |  |                |
| 34.0   | 51.1                             | 71.7                                   | 17.4           | 55.4                             | 73.5                                   | 24.4           | 61.7                             | 75.3                                   | 29.4           |                                  |  |                |                                  |  |                |
| 36.0   | 47.9                             | 69.9                                   | 16.3           | 52.4                             | 72.1                                   | 22.4           | 59.0                             | 74.2                                   | 27.7           |                                  |  |                |                                  |  |                |
| 38.0   | 44.5                             | 68.0                                   | 15.3           | 49.3                             | 70.4                                   | 20.7           | 56.1                             | 72.9                                   | 26.2           |                                  |  |                |                                  |  |                |
| 40.0   | 40.9                             | 65.7                                   | 14.3           | 45.9                             | 68.5                                   | 19.1           | 53.1                             | 71.4                                   | 24.8           |                                  |  |                |                                  |  |                |
| 42.0   | 37.0                             | 63.2                                   | 13.5           | 42.4                             | 66.4                                   | 17.7           | 50.0                             | 69.8                                   | 23.7           |                                  |  |                |                                  |  |                |
| 43.9   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 70.3                                   | 20.2           |                                  |  |                |
| 44.0   | 32.7                             | 60.3                                   | 12.8           | 38.7                             | 64.0                                   | 16.4           | 46.7                             | 68.0                                   | 22.4           | 55.0                             | 70.3                                   | 21.1           |                                  |  |                |
| 46.0   | 27.8                             | 56.8                                   | 12.1           | 34.6                             | 61.3                                   | 15.4           | 43.3                             | 65.9                                   | 21.3           | 52.0                             | 68.8                                   | 20.6           |                                  |  |                |
| 48.0   | 22.0                             | 52.3                                   | 11.5           | 30.0                             | 58.0                                   | 14.5           | 39.6                             | 63.6                                   | 20.2           | 48.9                             | 67.1                                   | 19.5           |                                  |  |                |
| 50.0   | 15.4                             | 47.2                                   | 10.0           | 24.6                             | 54.0                                   | 13.6           | 35.5                             | 60.9                                   | 19.3           | 45.5                             | 65.2                                   | 18.7           |                                  |  |                |
| 52.0   |                                  |  |                | 17.7                             | 48.7                                   | 12.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.0   |                                  |  |                |                                  |  |                | 22.9                             | 51.7                                   | 16.4           | 36.2                             | 59.3                                   | 16.9           |                                  |  |                |
| 57.0   |                                  |  |                |                                  |  |                | 15.3                             | 45.7                                   | 15.2           |                                  |  |                |                                  |  |                |
| 60.0   |                                  |  |                |                                  |  |                |                                  |  |                | 23.9                             | 50.4                                   | 15.2           |                                  |  |                |
| 62.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.7                             | 44.8                                   | 14.4           |                                  |  |                |
| 64.5   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 51.7                                   | 11.4           |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 34.3                             | 51.2                                   | 12.1           |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 21.0                             | 41.4                                   | 10.8           |
| 71.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.2                             | 38.4                                   | 10.5           |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 50.5 m Plumín<br>28.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.8   | 78.0                             | 84.3                                   | 44.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 76.6                             | 84.1                                   | 44.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 74.2                             | 83.5                                   | 41.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 71.8                             | 82.9                                   | 35.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 21.9   |                                  |  |                | 73.0                             | 82.9                                   | 39.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 69.4                             | 82.1                                   | 30.7           | 72.8                             | 82.8                                   | 39.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 67.0                             | 81.3                                   | 27.0           | 70.4                             | 82.2                                   | 38.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 64.5                             | 80.4                                   | 24.0           | 68.0                             | 81.4                                   | 35.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 61.9                             | 79.4                                   | 21.7           | 65.5                             | 80.5                                   | 32.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 59.3                             | 78.2                                   | 20.0           | 63.0                             | 79.5                                   | 29.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 56.6                             | 76.9                                   | 18.4           | 60.4                             | 78.4                                   | 27.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.8   |                                  |  |                |                                  |  |                | 65.0                             | 79.3                                   | 28.6           |                                  |  |                |                                  |  |                |
| 34.0   | 53.8                             | 75.5                                   | 17.1           | 57.7                             | 77.2                                   | 24.9           | 63.6                             | 78.7                                   | 29.1           |                                  |  |                |                                  |  |                |
| 36.0   | 50.9                             | 73.9                                   | 16.1           | 55.0                             | 75.8                                   | 22.6           | 61.0                             | 77.7                                   | 27.2           |                                  |  |                |                                  |  |                |
| 38.0   | 47.9                             | 72.2                                   | 15.1           | 52.1                             | 74.3                                   | 20.8           | 58.3                             | 76.5                                   | 25.9           |                                  |  |                |                                  |  |                |
| 40.0   | 44.7                             | 70.2                                   | 14.1           | 49.2                             | 72.6                                   | 19.3           | 55.6                             | 75.1                                   | 24.4           |                                  |  |                |                                  |  |                |
| 42.0   | 41.4                             | 68.0                                   | 13.2           | 46.1                             | 70.8                                   | 17.8           | 52.8                             | 73.7                                   | 23.2           |                                  |  |                |                                  |  |                |
| 44.0   | 37.8                             | 65.6                                   | 12.5           | 42.8                             | 68.7                                   | 16.5           | 49.9                             | 72.0                                   | 22.2           |                                  |  |                |                                  |  |                |
| 45.6   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 72.7                                   | 18.9           |                                  |  |                |
| 46.0   | 33.8                             | 62.7                                   | 11.8           | 39.3                             | 66.3                                   | 15.4           | 46.8                             | 70.2                                   | 21.1           | 54.7                             | 72.5                                   | 19.8           |                                  |  |                |
| 48.0   | 29.4                             | 59.4                                   | 11.3           | 35.5                             | 63.6                                   | 14.4           | 43.6                             | 68.2                                   | 20.0           | 51.8                             | 71.0                                   | 19.2           |                                  |  |                |
| 50.0   | 24.3                             | 55.3                                   | 10.7           | 31.3                             | 60.5                                   | 13.6           | 40.1                             | 65.9                                   | 19.0           | 48.8                             | 69.3                                   | 18.3           |                                  |  |                |
| 52.0   | 17.8                             | 49.9                                   | 10.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.0   |                                  |  |                | 17.1                             | 49.1                                   | 11.5           | 30.1                             | 58.6                                   | 16.7           | 40.7                             | 64.2                                   | 16.5           |                                  |  |                |
| 60.0   |                                  |  |                |                                  |  |                | 16.2                             | 47.4                                   | 13.3           | 30.8                             | 57.0                                   | 15.0           |                                  |  |                |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.1                             | 45.2                                   | 13.2           |                                  |  |                |
| 66.9   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 53.4                                   | 10.6           |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 28.7                             | 48.7                                   | 10.5           |
| 74.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.4                             | 37.7                                   | 9.4            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 53.5 m Plumín<br>31.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 15.4   | 78.0                             | 87.3                                   | 40.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 77.3                             | 87.1                                   | 40.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 75.1                             | 86.6                                   | 38.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 72.9                             | 86.0                                   | 35.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 70.6                             | 85.3                                   | 29.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.7   |                                  |  |                | 73.0                             | 85.8                                   | 36.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 68.3                             | 84.6                                   | 26.4           | 71.6                             | 85.3                                   | 35.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 66.0                             | 83.7                                   | 23.6           | 69.3                             | 84.6                                   | 33.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 63.6                             | 82.7                                   | 21.3           | 67.0                             | 83.8                                   | 31.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 61.2                             | 81.7                                   | 19.6           | 64.6                             | 82.9                                   | 29.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 58.7                             | 80.5                                   | 18.1           | 62.2                             | 81.8                                   | 27.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 56.1                             | 79.2                                   | 16.8           | 59.8                             | 80.7                                   | 25.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.1   |                                  |  |                |                                  |  |                | 65.0                             | 82.0                                   | 27.5           |                                  |  |                |                                  |  |                |
| 36.0   | 53.5                             | 77.7                                   | 15.6           | 57.2                             | 79.4                                   | 22.7           | 62.8                             | 81.1                                   | 26.9           |                                  |  |                |                                  |  |                |
| 38.0   | 50.8                             | 76.2                                   | 14.7           | 54.6                             | 78.1                                   | 20.7           | 60.3                             | 80.0                                   | 25.3           |                                  |  |                |                                  |  |                |
| 40.0   | 47.9                             | 74.4                                   | 13.8           | 51.9                             | 76.5                                   | 19.0           | 57.8                             | 78.7                                   | 24.1           |                                  |  |                |                                  |  |                |
| 42.0   | 44.9                             | 72.5                                   | 12.9           | 49.1                             | 74.9                                   | 17.6           | 55.2                             | 77.4                                   | 22.7           |                                  |  |                |                                  |  |                |
| 44.0   | 41.8                             | 70.3                                   | 12.1           | 46.2                             | 73.0                                   | 16.3           | 52.6                             | 75.9                                   | 21.6           |                                  |  |                |                                  |  |                |
| 46.0   | 38.4                             | 67.9                                   | 11.4           | 43.1                             | 70.9                                   | 15.2           | 49.8                             | 74.3                                   | 20.7           |                                  |  |                |                                  |  |                |
| 47.4   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 75.2                                   | 17.8           |                                  |  |                |
| 48.0   | 34.8                             | 65.1                                   | 10.8           | 39.9                             | 68.6                                   | 14.1           | 46.9                             | 72.4                                   | 19.6           | 54.3                             | 74.8                                   | 18.5           |                                  |  |                |
| 50.0   | 30.8                             | 61.9                                   | 10.3           | 36.3                             | 66.0                                   | 13.2           | 43.8                             | 70.4                                   | 18.6           | 51.6                             | 73.3                                   | 18.0           |                                  |  |                |
| 55.0   | 17.2                             | 50.4                                   | 9.0            | 25.8                             | 57.5                                   | 11.3           | 35.3                             | 64.2                                   | 16.5           | 44.3                             | 68.6                                   | 16.1           |                                  |  |                |
| 58.0   |                                  |  |                | 16.6                             | 49.5                                   | 10.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 60.0   |                                  |  |                |                                  |  |                | 24.4                             | 55.3                                   | 14.1           | 35.9                             | 62.6                                   | 14.7           |                                  |  |                |
| 63.0   |                                  |  |                |                                  |  |                | 15.8                             | 47.8                                   | 12.1           |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                | 25.1                             | 53.9                                   | 13.1           |                                  |  |                |
| 68.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.7                             | 45.6                                   | 12.1           |                                  |  |                |
| 69.4   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 55.1                                   | 9.9            |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 22.0                             | 44.4                                   | 8.8            |
| 77.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.4                             | 40.4                                   | 8.4            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 56.5 m Plumín<br>22.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 78.0                             | 90.2                                   | 37.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 75.9                             | 89.7                                   | 36.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 73.8                             | 89.2                                   | 34.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 71.7                             | 88.5                                   | 29.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 23.6   |                                  |  |                | 73.0                             | 88.6                                   | 33.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 69.5                             | 87.8                                   | 25.9           | 72.6                             | 88.5                                   | 33.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 67.4                             | 87.0                                   | 23.3           | 70.5                             | 87.8                                   | 32.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 65.1                             | 86.1                                   | 21.1           | 68.3                             | 87.0                                   | 31.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 62.9                             | 85.1                                   | 19.4           | 66.1                             | 86.2                                   | 29.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 60.5                             | 84.0                                   | 18.0           | 63.8                             | 85.2                                   | 27.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 58.2                             | 82.8                                   | 16.7           | 61.5                             | 84.2                                   | 25.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 35.4   |                                  |  |                |                                  |  |                | 65.0                             | 84.7                                   | 25.9           |                                  |  |                |                                  |  |                |
| 36.0   | 55.7                             | 81.4                                   | 15.5           | 59.2                             | 83.0                                   | 23.1           | 64.3                             | 84.4                                   | 25.9           |                                  |  |                |                                  |  |                |
| 38.0   | 53.2                             | 80.0                                   | 14.5           | 56.8                             | 81.7                                   | 21.0           | 62.1                             | 83.4                                   | 25.0           |                                  |  |                |                                  |  |                |
| 40.0   | 50.6                             | 78.4                                   | 13.6           | 54.3                             | 80.3                                   | 19.2           | 59.7                             | 82.3                                   | 23.6           |                                  |  |                |                                  |  |                |
| 42.0   | 47.9                             | 76.6                                   | 12.8           | 51.7                             | 78.8                                   | 17.7           | 57.3                             | 81.0                                   | 22.5           |                                  |  |                |                                  |  |                |
| 44.0   | 45.1                             | 74.7                                   | 12.0           | 49.1                             | 77.1                                   | 16.4           | 54.9                             | 79.7                                   | 21.3           |                                  |  |                |                                  |  |                |
| 46.0   | 42.1                             | 72.6                                   | 11.3           | 46.3                             | 75.2                                   | 15.2           | 52.3                             | 78.1                                   | 20.3           |                                  |  |                |                                  |  |                |
| 48.0   | 39.0                             | 70.2                                   | 10.7           | 43.4                             | 73.2                                   | 14.2           | 49.7                             | 76.5                                   | 19.5           |                                  |  |                |                                  |  |                |
| 49.1   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 77.6                                   | 16.7           |                                  |  |                |
| 50.0   | 35.6                             | 67.5                                   | 10.1           | 40.3                             | 70.9                                   | 13.2           | 47.0                             | 74.7                                   | 18.4           | 54.0                             | 77.0                                   | 17.4           |                                  |  |                |
| 55.0   | 25.4                             | 58.8                                   | 8.9            | 31.6                             | 63.9                                   | 11.3           | 39.5                             | 69.3                                   | 16.3           | 47.4                             | 72.9                                   | 15.8           |                                  |  |                |
| 58.0   | 16.8                             | 50.8                                   | 8.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 60.0   |                                  |  |                | 19.6                             | 53.2                                   | 9.6            | 30.5                             | 62.0                                   | 14.3           | 40.0                             | 67.5                                   | 14.3           |                                  |  |                |
| 61.0   |                                  |  |                | 16.2                             | 50.0                                   | 9.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                |                                  |  |                | 17.8                             | 50.5                                   | 12.0           | 31.1                             | 60.4                                   | 13.0           |                                  |  |                |
| 66.0   |                                  |  |                |                                  |  |                | 15.3                             | 48.2                                   | 11.1           |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                | 18.8                             | 49.3                                   | 11.5           |                                  |  |                |
| 71.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.2                             | 46.0                                   | 11.2           |                                  |  |                |
| 71.8   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 56.9                                   | 9.2            |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 28.7                             | 51.6                                   | 8.8            |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.9                             | 40.8                                   | 7.6            |



## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 59.5 m Plumín<br>25.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.6   | 78.0                             | 93.1                                   | 34.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 76.7                             | 92.8                                   | 34.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 74.7                             | 92.3                                   | 32.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 72.7                             | 91.7                                   | 29.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 70.6                             | 91.0                                   | 25.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.5   |                                  |  |                | 73.0                             | 91.5                                   | 30.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 68.6                             | 90.2                                   | 23.0           | 71.5                             | 91.0                                   | 30.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 66.5                             | 89.4                                   | 20.9           | 69.4                             | 90.3                                   | 29.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 64.3                             | 88.5                                   | 19.1           | 67.3                             | 89.5                                   | 28.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 62.2                             | 87.4                                   | 17.7           | 65.2                             | 88.6                                   | 26.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 60.0                             | 86.3                                   | 16.4           | 63.1                             | 87.6                                   | 24.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 57.7                             | 85.1                                   | 15.2           | 60.9                             | 86.5                                   | 23.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.6   |                                  |  |                |                                  |  |                | 65.0                             | 87.5                                   | 24.1           |                                  |  |                |                                  |  |                |
| 38.0   | 55.4                             | 83.7                                   | 14.2           | 58.7                             | 85.3                                   | 21.4           | 63.6                             | 86.8                                   | 24.6           |                                  |  |                |                                  |  |                |
| 40.0   | 53.0                             | 82.2                                   | 13.3           | 56.4                             | 84.0                                   | 19.4           | 61.4                             | 85.7                                   | 23.3           |                                  |  |                |                                  |  |                |
| 42.0   | 50.5                             | 80.6                                   | 12.5           | 54.0                             | 82.6                                   | 17.8           | 59.2                             | 84.6                                   | 22.1           |                                  |  |                |                                  |  |                |
| 44.0   | 48.0                             | 78.9                                   | 11.8           | 51.6                             | 81.0                                   | 16.4           | 56.9                             | 83.3                                   | 21.0           |                                  |  |                |                                  |  |                |
| 46.0   | 45.3                             | 76.9                                   | 11.0           | 49.0                             | 79.3                                   | 15.3           | 54.5                             | 81.9                                   | 19.9           |                                  |  |                |                                  |  |                |
| 48.0   | 42.5                             | 74.8                                   | 10.4           | 46.4                             | 77.5                                   | 14.2           | 52.1                             | 80.4                                   | 19.0           |                                  |  |                |                                  |  |                |
| 50.0   | 39.5                             | 72.5                                   | 9.8            | 43.7                             | 75.4                                   | 13.2           | 49.6                             | 78.7                                   | 18.3           |                                  |  |                |                                  |  |                |
| 50.8   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 80.1                                   | 15.7           |                                  |  |                |
| 55.0   | 31.0                             | 65.3                                   | 8.6            | 36.1                             | 69.3                                   | 11.1           | 42.9                             | 73.9                                   | 16.0           | 50.0                             | 76.9                                   | 15.5           |                                  |  |                |
| 60.0   | 19.5                             | 54.4                                   | 7.5            | 26.7                             | 61.0                                   | 9.6            | 35.1                             | 67.6                                   | 14.3           | 43.3                             | 72.1                                   | 14.0           |                                  |  |                |
| 61.0   | 16.3                             | 51.2                                   | 7.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 64.0   |                                  |  |                | 15.7                             | 50.4                                   | 8.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                |                                  |  |                | 25.4                             | 58.8                                   | 12.2           | 35.7                             | 65.9                                   | 12.8           |                                  |  |                |
| 68.0   |                                  |  |                |                                  |  |                | 17.3                             | 50.9                                   | 10.9           |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                | 26.1                             | 57.4                                   | 11.4           |                                  |  |                |
| 74.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.0                             | 47.6                                   | 9.6            |                                  |  |                |
| 74.3   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 58.6                                   | 8.6            |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 33.7                             | 57.5                                   | 8.4            |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 24.9                             | 49.4                                   | 7.3            |
| 83.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.5                             | 41.2                                   | 6.7            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 62.5 m Plumín<br>28.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 17.3   | 78.0                             | 96.1                                   | 31.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 77.3                             | 95.9                                   | 31.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 75.4                             | 95.4                                   | 30.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 73.5                             | 94.8                                   | 29.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 71.6                             | 94.2                                   | 25.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 25.4   |                                  |  |                | 73.0                             | 94.4                                   | 28.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 69.6                             | 93.5                                   | 22.7           | 72.4                             | 94.2                                   | 28.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 67.7                             | 92.7                                   | 20.6           | 70.5                             | 93.5                                   | 28.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 65.7                             | 91.8                                   | 18.9           | 68.5                             | 92.7                                   | 27.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 63.6                             | 90.8                                   | 17.4           | 66.5                             | 91.9                                   | 26.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 61.5                             | 89.7                                   | 16.3           | 64.5                             | 90.9                                   | 24.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 59.4                             | 88.6                                   | 15.1           | 62.4                             | 89.9                                   | 23.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 37.9   |                                  |  |                |                                  |  |                | 65.0                             | 90.2                                   | 23.3           |                                  |  |                |                                  |  |                |
| 38.0   | 57.3                             | 87.3                                   | 14.0           | 60.3                             | 88.8                                   | 21.9           | 64.9                             | 90.1                                   | 23.3           |                                  |  |                |                                  |  |                |
| 40.0   | 55.0                             | 86.0                                   | 13.1           | 58.2                             | 87.6                                   | 19.9           | 62.9                             | 89.1                                   | 23.0           |                                  |  |                |                                  |  |                |
| 42.0   | 52.8                             | 84.5                                   | 12.2           | 56.0                             | 86.3                                   | 18.1           | 60.8                             | 88.1                                   | 21.7           |                                  |  |                |                                  |  |                |
| 44.0   | 50.4                             | 82.9                                   | 11.5           | 53.7                             | 84.8                                   | 16.6           | 58.7                             | 86.9                                   | 20.7           |                                  |  |                |                                  |  |                |
| 46.0   | 48.0                             | 81.1                                   | 10.9           | 51.4                             | 83.3                                   | 15.4           | 56.5                             | 85.6                                   | 19.7           |                                  |  |                |                                  |  |                |
| 48.0   | 45.4                             | 79.2                                   | 10.2           | 49.0                             | 81.6                                   | 14.4           | 54.2                             | 84.2                                   | 18.7           |                                  |  |                |                                  |  |                |
| 50.0   | 42.8                             | 77.1                                   | 9.6            | 46.5                             | 79.7                                   | 13.4           | 51.9                             | 82.6                                   | 17.9           |                                  |  |                |                                  |  |                |
| 52.5   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 82.5                                   | 14.7           |                                  |  |                |
| 55.0   | 35.4                             | 70.8                                   | 8.3            | 39.7                             | 74.3                                   | 11.2           | 45.8                             | 78.2                                   | 15.9           | 52.3                             | 80.8                                   | 15.2           |                                  |  |                |
| 60.0   | 26.3                             | 62.3                                   | 7.4            | 31.8                             | 67.2                                   | 9.6            | 38.9                             | 72.6                                   | 14.1           | 46.2                             | 76.4                                   | 13.8           |                                  |  |                |
| 64.0   | 15.9                             | 51.7                                   | 6.6            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                | 21.3                             | 57.0                                   | 8.2            | 30.8                             | 65.3                                   | 12.4           | 39.4                             | 70.9                                   | 12.5           |                                  |  |                |
| 67.0   |                                  |  |                | 15.3                             | 50.7                                   | 7.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                |                                  |  |                | 19.9                             | 54.5                                   | 10.4           | 31.3                             | 63.7                                   | 11.4           |                                  |  |                |
| 71.0   |                                  |  |                |                                  |  |                | 16.9                             | 51.4                                   | 10.0           |                                  |  |                |                                  |  |                |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                | 20.7                             | 53.2                                   | 10.1           |                                  |  |                |
| 76.7   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 60.3                                   | 7.7            |
| 77.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.6                             | 48.0                                   | 8.8            |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 30.4                             | 56.0                                   | 7.0            |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 19.2                             | 44.9                                   | 6.1            |
| 86.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.1                             | 41.7                                   | 5.9            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 65.5 m Plumín<br>31.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 17.9   | 78.0                             | 99.0                                   | 28.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 77.9                             | 99.0                                   | 28.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 76.1                             | 98.5                                   | 27.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 74.3                             | 98.0                                   | 26.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 72.5                             | 97.3                                   | 24.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 70.6                             | 96.7                                   | 22.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.3   |                                  |  |                | 73.0                             | 97.2                                   | 25.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 68.7                             | 95.9                                   | 20.3           | 71.4                             | 96.7                                   | 25.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 66.8                             | 95.1                                   | 18.5           | 69.5                             | 95.9                                   | 24.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 64.9                             | 94.2                                   | 17.0           | 67.6                             | 95.1                                   | 24.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 63.0                             | 93.2                                   | 15.7           | 65.7                             | 94.2                                   | 23.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 61.0                             | 92.1                                   | 14.7           | 63.8                             | 93.3                                   | 22.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 58.9                             | 90.9                                   | 13.6           | 61.8                             | 92.2                                   | 21.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 39.2   |                                  |  |                |                                  |  |                | 65.0                             | 92.9                                   | 21.7           |                                  |  |                |                                  |  |                |
| 40.0   | 56.9                             | 89.6                                   | 12.7           | 59.8                             | 91.1                                   | 19.9           | 64.2                             | 92.5                                   | 21.7           |                                  |  |                |                                  |  |                |
| 42.0   | 54.7                             | 88.2                                   | 11.8           | 57.7                             | 89.9                                   | 18.2           | 62.3                             | 91.5                                   | 21.3           |                                  |  |                |                                  |  |                |
| 44.0   | 52.6                             | 86.7                                   | 11.1           | 55.6                             | 88.5                                   | 16.6           | 60.3                             | 90.4                                   | 20.1           |                                  |  |                |                                  |  |                |
| 46.0   | 50.3                             | 85.1                                   | 10.5           | 53.5                             | 87.1                                   | 15.2           | 58.2                             | 89.2                                   | 19.3           |                                  |  |                |                                  |  |                |
| 48.0   | 48.0                             | 83.3                                   | 9.9            | 51.3                             | 85.5                                   | 14.1           | 56.1                             | 87.8                                   | 18.3           |                                  |  |                |                                  |  |                |
| 50.0   | 45.6                             | 81.4                                   | 9.3            | 49.0                             | 83.8                                   | 13.2           | 54.0                             | 86.4                                   | 17.5           |                                  |  |                |                                  |  |                |
| 54.2   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 85.0                                   | 13.9           |                                  |  |                |
| 55.0   | 39.0                             | 75.8                                   | 8.0            | 42.8                             | 78.9                                   | 11.0           | 48.3                             | 82.3                                   | 15.7           | 54.3                             | 84.5                                   | 14.5           |                                  |  |                |
| 60.0   | 31.3                             | 68.6                                   | 7.0            | 35.8                             | 72.7                                   | 9.3            | 42.1                             | 77.3                                   | 13.8           | 48.7                             | 80.5                                   | 13.3           |                                  |  |                |
| 65.0   | 21.2                             | 58.3                                   | 6.1            | 27.4                             | 64.4                                   | 8.0            | 35.0                             | 70.9                                   | 12.3           | 42.5                             | 75.5                                   | 12.1           |                                  |  |                |
| 67.0   | 15.5                             | 52.1                                   | 5.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                | 16.1                             | 52.4                                   | 6.1            | 26.3                             | 62.3                                   | 10.5           | 35.5                             | 69.2                                   | 11.1           |                                  |  |                |
| 74.0   |                                  |  |                |                                  |  |                | 16.5                             | 51.8                                   | 9.0            |                                  |  |                |                                  |  |                |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                | 26.9                             | 60.8                                   | 9.9            |                                  |  |                |
| 79.2   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 62.0                                   | 6.8            |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.3                             | 48.4                                   | 7.9            | 34.6                             | 61.7                                   | 6.7            |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 25.8                             | 52.9                                   | 5.7            |
| 89.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.7                             | 42.1                                   | 5.0            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 68.5 m Plumín<br>34.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.5   | 78.0                             | 101.9                                  | 25.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 76.7                             | 101.6                                  | 25.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 75.0                             | 101.1                                  | 24.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 73.3                             | 100.5                                  | 23.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 71.5                             | 99.8                                   | 21.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 27.1   |                                  |  |                | 73.0                             | 100.1                                  | 22.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 69.7                             | 99.1                                   | 19.9           | 72.2                             | 99.8                                   | 22.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 67.9                             | 98.3                                   | 18.4           | 70.5                             | 99.1                                   | 22.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 66.1                             | 97.5                                   | 16.9           | 68.7                             | 98.4                                   | 22.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 64.2                             | 96.5                                   | 15.5           | 66.9                             | 97.5                                   | 21.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 62.4                             | 95.5                                   | 14.5           | 65.0                             | 96.6                                   | 20.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 60.5                             | 94.4                                   | 13.5           | 63.2                             | 95.6                                   | 20.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 58.5                             | 93.2                                   | 12.5           | 61.3                             | 94.6                                   | 20.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.4   |                                  |  |                |                                  |  |                | 65.0                             | 95.6                                   | 19.9           |                                  |  |                |                                  |  |                |
| 42.0   | 56.5                             | 91.9                                   | 11.7           | 59.3                             | 93.4                                   | 18.5           | 63.6                             | 94.9                                   | 20.4           |                                  |  |                |                                  |  |                |
| 44.0   | 54.5                             | 90.5                                   | 10.9           | 57.3                             | 92.1                                   | 16.9           | 61.7                             | 93.8                                   | 19.8           |                                  |  |                |                                  |  |                |
| 46.0   | 52.4                             | 89.0                                   | 10.2           | 55.3                             | 90.8                                   | 15.5           | 59.8                             | 92.7                                   | 18.8           |                                  |  |                |                                  |  |                |
| 48.0   | 50.2                             | 87.3                                   | 9.7            | 53.3                             | 89.3                                   | 14.2           | 57.8                             | 91.4                                   | 18.1           |                                  |  |                |                                  |  |                |
| 50.0   | 48.0                             | 85.6                                   | 9.1            | 51.1                             | 87.7                                   | 13.2           | 55.8                             | 90.1                                   | 17.2           |                                  |  |                |                                  |  |                |
| 55.0   | 42.0                             | 80.5                                   | 7.8            | 45.5                             | 83.2                                   | 11.1           | 50.5                             | 86.3                                   | 15.5           |                                  |  |                |                                  |  |                |
| 56.0   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 87.5                                   | 13.1           |                                  |  |                |
| 60.0   | 35.2                             | 74.1                                   | 6.8            | 39.2                             | 77.6                                   | 9.3            | 44.8                             | 81.7                                   | 13.7           | 50.9                             | 84.4                                   | 13.0           |                                  |  |                |
| 65.0   | 27.0                             | 65.7                                   | 5.9            | 31.9                             | 70.5                                   | 8.0            | 38.5                             | 76.0                                   | 12.1           | 45.2                             | 79.9                                   | 11.9           |                                  |  |                |
| 70.0   | 15.2                             | 52.4                                   | 5.1            | 22.7                             | 60.6                                   | 6.8            | 31.1                             | 68.6                                   | 10.7           | 38.9                             | 74.2                                   | 10.7           |                                  |  |                |
| 73.0   |                                  |  |                | 15.7                             | 52.8                                   | 5.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 75.0   |                                  |  |                |                                  |  |                | 21.4                             | 58.3                                   | 9.0            | 31.5                             | 67.0                                   | 9.8            |                                  |  |                |
| 77.0   |                                  |  |                |                                  |  |                | 16.1                             | 52.2                                   | 8.3            |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                | 22.1                             | 57.0                                   | 8.6            |                                  |  |                |
| 81.7   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 63.7                                   | 6.1            |
| 82.0   |                                  |  |                |                                  |  |                |                                  |  |                | 17.0                             | 51.2                                   | 8.2            |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 30.6                             | 59.3                                   | 5.6            |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 20.8                             | 48.8                                   | 4.7            |
| 92.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.3                             | 42.5                                   | 4.4            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 71.5 m Plumín<br>37.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 19.1   | 78.0                             | 104.9                                  | 23.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 77.3                             | 104.7                                  | 23.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 75.6                             | 104.2                                  | 22.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 74.0                             | 103.6                                  | 21.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 72.3                             | 103.0                                  | 20.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 70.6                             | 102.3                                  | 19.0           | 73.0                             | 103.0                                  | 21.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 68.9                             | 101.6                                  | 18.0           | 71.3                             | 102.3                                  | 21.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 67.2                             | 100.7                                  | 16.4           | 69.6                             | 101.6                                  | 20.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 65.4                             | 99.8                                   | 15.1           | 67.9                             | 100.8                                  | 20.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 63.6                             | 98.9                                   | 13.9           | 66.1                             | 99.9                                   | 19.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 61.8                             | 97.8                                   | 13.0           | 64.4                             | 99.0                                   | 19.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 60.0                             | 96.7                                   | 12.1           | 62.6                             | 98.0                                   | 18.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 41.7   |                                  |  |                |                                  |  |                | 65.0                             | 98.3                                   | 19.0           |                                  |  |                |                                  |  |                |
| 42.0   | 58.1                             | 95.5                                   | 11.3           | 60.7                             | 96.9                                   | 18.3           | 64.8                             | 98.2                                   | 19.0           |                                  |  |                |                                  |  |                |
| 44.0   | 56.2                             | 94.1                                   | 10.5           | 58.9                             | 95.7                                   | 16.7           | 63.0                             | 97.2                                   | 18.9           |                                  |  |                |                                  |  |                |
| 46.0   | 54.2                             | 92.7                                   | 9.8            | 57.0                             | 94.4                                   | 15.3           | 61.2                             | 96.1                                   | 18.2           |                                  |  |                |                                  |  |                |
| 48.0   | 52.2                             | 91.2                                   | 9.2            | 55.0                             | 93.0                                   | 14.1           | 59.3                             | 95.0                                   | 17.4           |                                  |  |                |                                  |  |                |
| 50.0   | 50.1                             | 89.6                                   | 8.7            | 53.0                             | 91.6                                   | 13.0           | 57.4                             | 93.7                                   | 16.7           |                                  |  |                |                                  |  |                |
| 55.0   | 44.6                             | 84.9                                   | 7.5            | 47.8                             | 87.4                                   | 10.9           | 52.5                             | 90.1                                   | 14.8           |                                  |  |                |                                  |  |                |
| 57.7   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 89.9                                   | 12.3           |                                  |  |                |
| 60.0   | 38.6                             | 79.2                                   | 6.4            | 42.1                             | 82.3                                   | 9.1            | 47.2                             | 85.9                                   | 13.3           | 52.8                             | 88.3                                   | 12.6           |                                  |  |                |
| 65.0   | 31.5                             | 71.9                                   | 5.6            | 35.6                             | 76.0                                   | 7.7            | 41.4                             | 80.7                                   | 11.7           | 47.5                             | 84.1                                   | 11.4           |                                  |  |                |
| 70.0   | 22.5                             | 61.9                                   | 4.8            | 27.9                             | 67.8                                   | 6.6            | 34.9                             | 74.2                                   | 10.5           | 41.8                             | 78.9                                   | 10.3           |                                  |  |                |
| 73.0   | 15.9                             | 54.1                                   | 4.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 75.0   |                                  |  |                | 17.3                             | 55.5                                   | 5.5            | 27.0                             | 65.7                                   | 8.9            | 35.3                             | 72.5                                   | 9.5            |                                  |  |                |
| 76.0   |                                  |  |                | 15.4                             | 53.2                                   | 4.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                | 15.7                             | 52.6                                   | 7.3            | 27.5                             | 64.2                                   | 8.4            |                                  |  |                |
| 84.1   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.6                             | 51.6                                   | 7.3            | 35.0                             | 65.5                                   | 5.3            |
| 94.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 34.5                             | 65.0                                   | 5.2            |
|  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 26.5                             | 56.3                                   | 4.3            |
|  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.9                             | 46.3                                   | 3.7            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 74.5 m Plumín<br>40.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 19.8   | 78.0                             | 107.8                                  | 21.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 77.8                             | 107.8                                  | 21.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 76.2                             | 107.3                                  | 21.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 74.6                             | 106.8                                  | 20.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 73.0                             | 106.2                                  | 19.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 71.4                             | 105.5                                  | 18.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.9   |                                  |  |                | 73.0                             | 105.8                                  | 20.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 69.8                             | 104.8                                  | 17.5           | 72.1                             | 105.5                                  | 20.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 68.1                             | 104.0                                  | 16.3           | 70.5                             | 104.8                                  | 19.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 66.5                             | 103.1                                  | 14.9           | 68.8                             | 104.0                                  | 19.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 64.8                             | 102.2                                  | 13.8           | 67.2                             | 103.2                                  | 19.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 63.0                             | 101.2                                  | 12.8           | 65.5                             | 102.3                                  | 18.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 61.3                             | 100.1                                  | 12.0           | 63.8                             | 101.3                                  | 18.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 59.5                             | 99.0                                   | 11.1           | 62.0                             | 100.3                                  | 17.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 43.0   |                                  |  |                |                                  |  |                | 65.0                             | 101.1                                  | 18.1           |                                  |  |                |                                  |  |                |
| 44.0   | 57.7                             | 97.7                                   | 10.4           | 60.3                             | 99.2                                   | 16.9           | 64.2                             | 100.6                                  | 18.1           |                                  |  |                |                                  |  |                |
| 46.0   | 55.9                             | 96.4                                   | 9.7            | 58.5                             | 98.0                                   | 15.5           | 62.4                             | 99.5                                   | 17.8           |                                  |  |                |                                  |  |                |
| 48.0   | 54.0                             | 95.0                                   | 9.0            | 56.6                             | 96.7                                   | 14.2           | 60.7                             | 98.4                                   | 17.0           |                                  |  |                |                                  |  |                |
| 50.0   | 52.0                             | 93.5                                   | 8.5            | 54.8                             | 95.3                                   | 13.1           | 58.9                             | 97.3                                   | 16.3           |                                  |  |                |                                  |  |                |
| 55.0   | 46.9                             | 89.1                                   | 7.3            | 49.9                             | 91.4                                   | 10.9           | 54.3                             | 93.9                                   | 14.6           |                                  |  |                |                                  |  |                |
| 59.4   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 92.4                                   | 11.6           |                                  |  |                |
| 60.0   | 41.4                             | 83.9                                   | 6.2            | 44.6                             | 86.7                                   | 9.1            | 49.3                             | 89.9                                   | 13.2           | 54.5                             | 92.0                                   | 12.0           |                                  |  |                |
| 65.0   | 35.1                             | 77.5                                   | 5.4            | 38.8                             | 81.0                                   | 7.6            | 44.0                             | 85.1                                   | 11.6           | 49.6                             | 88.1                                   | 11.0           |                                  |  |                |
| 70.0   | 27.6                             | 69.1                                   | 4.7            | 32.1                             | 73.8                                   | 6.5            | 38.1                             | 79.3                                   | 10.3           | 44.3                             | 83.3                                   | 10.1           |                                  |  |                |
| 75.0   | 17.4                             | 56.8                                   | 4.0            | 23.7                             | 64.2                                   | 5.5            | 31.3                             | 72.0                                   | 9.0            | 38.5                             | 77.6                                   | 9.2            |                                  |  |                |
| 76.0   | 15.5                             | 54.5                                   | 3.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 79.0   |                                  |  |                | 15.0                             | 53.6                                   | 4.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                | 22.6                             | 61.9                                   | 7.6            | 31.7                             | 70.4                                   | 8.4            |                                  |  |                |
| 83.0   |                                  |  |                |                                  |  |                | 15.4                             | 53.0                                   | 6.7            |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                | 23.3                             | 60.6                                   | 7.4            |                                  |  |                |
| 86.6   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 67.2                                   | 4.6            |
| 88.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.3                             | 52.0                                   | 6.7            |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 30.9                             | 62.7                                   | 4.1            |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 22.1                             | 52.5                                   | 3.3            |
| 97.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.5                             | 46.8                                   | 3.0            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 77.5 m Plumín<br>43.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.4   | 78.0                             | 110.8                                  | 20.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 76.8                             | 110.4                                  | 19.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 75.3                             | 109.9                                  | 19.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 73.7                             | 109.3                                  | 18.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 72.2                             | 108.7                                  | 17.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 29.8   |                                  |  |                | 73.0                             | 108.7                                  | 18.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 70.6                             | 108.0                                  | 16.7           | 72.8                             | 108.6                                  | 18.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 69.0                             | 107.2                                  | 16.1           | 71.3                             | 108.0                                  | 18.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 67.4                             | 106.4                                  | 14.8           | 69.7                             | 107.2                                  | 17.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 65.8                             | 105.5                                  | 13.6           | 68.1                             | 106.5                                  | 17.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 64.2                             | 104.6                                  | 12.5           | 66.5                             | 105.6                                  | 17.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 62.5                             | 103.6                                  | 11.7           | 64.9                             | 104.7                                  | 16.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 60.8                             | 102.5                                  | 10.9           | 63.2                             | 103.7                                  | 16.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 59.1                             | 101.3                                  | 10.1           | 61.5                             | 102.6                                  | 16.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.2   |                                  |  |                |                                  |  |                | 65.0                             | 103.8                                  | 16.0           |                                  |  |                |                                  |  |                |
| 46.0   | 57.4                             | 100.0                                  | 9.4            | 59.8                             | 101.5                                  | 15.0           | 63.6                             | 102.9                                  | 16.5           |                                  |  |                |                                  |  |                |
| 48.0   | 55.6                             | 98.7                                   | 8.8            | 58.1                             | 100.3                                  | 13.9           | 61.9                             | 101.9                                  | 16.2           |                                  |  |                |                                  |  |                |
| 50.0   | 53.8                             | 97.2                                   | 8.2            | 56.3                             | 99.0                                   | 12.8           | 60.2                             | 100.8                                  | 15.6           |                                  |  |                |                                  |  |                |
| 55.0   | 49.0                             | 93.2                                   | 7.1            | 51.7                             | 95.3                                   | 10.7           | 55.8                             | 97.6                                   | 14.2           |                                  |  |                |                                  |  |                |
| 60.0   | 43.9                             | 88.4                                   | 6.0            | 46.8                             | 90.9                                   | 9.0            | 51.2                             | 93.8                                   | 12.8           |                                  |  |                |                                  |  |                |
| 61.1   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 94.8                                   | 10.9           |                                  |  |                |
| 65.0   | 38.2                             | 82.5                                   | 5.1            | 41.5                             | 85.7                                   | 7.5            | 46.3                             | 89.4                                   | 11.5           | 51.5                             | 92.0                                   | 10.8           |                                  |  |                |
| 70.0   | 31.7                             | 75.3                                   | 4.4            | 35.5                             | 79.3                                   | 6.3            | 40.9                             | 84.1                                   | 10.1           | 46.6                             | 87.6                                   | 9.8            |                                  |  |                |
| 75.0   | 23.6                             | 65.5                                   | 3.8            | 28.4                             | 71.2                                   | 5.4            | 34.8                             | 77.5                                   | 9.0            | 41.2                             | 82.3                                   | 8.9            |                                  |  |                |
| 79.0   | 15.2                             | 54.9                                   | 3.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 81.0   |                                  |  |                | 19.1                             | 59.6                                   | 4.5            | 27.5                             | 69.1                                   | 7.6            | 35.2                             | 75.9                                   | 8.1            |                                  |  |                |
| 85.0   |                                  |  |                | 16.6                             | 56.4                                   | 4.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 86.0   |                                  |  |                |                                  |  |                | 17.8                             | 56.9                                   | 6.2            | 27.6                             | 67.1                                   | 7.0            |                                  |  |                |
| 89.0   |                                  |  |                |                                  |  |                | 15.1                             | 53.4                                   | 5.9            |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                | 17.8                             | 54.8                                   | 6.0            |                                  |  |                |
| 91.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.1                             | 51.3                                   | 5.8            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 68.9                                   | 3.8            |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 34.5                             | 68.3                                   | 3.7            |
|  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 27.1                             | 59.8                                   | 3.0            |
|  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.2                             | 47.2                                   | 2.3            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 80.5 m Plumín<br>34.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 21.0   | 78.0                             | 113.7                                  | 18.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 77.3                             | 113.5                                  | 18.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 75.8                             | 113.0                                  | 17.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 74.3                             | 112.4                                  | 17.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 72.9                             | 111.8                                  | 16.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 71.4                             | 111.2                                  | 16.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.6   |                                  |  |                | 73.0                             | 111.6                                  | 16.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 69.8                             | 110.4                                  | 15.4           | 72.0                             | 111.1                                  | 16.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 68.3                             | 109.7                                  | 14.7           | 70.5                             | 110.4                                  | 16.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 66.8                             | 108.8                                  | 13.4           | 69.0                             | 109.7                                  | 16.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 65.2                             | 107.9                                  | 12.4           | 67.4                             | 108.9                                  | 15.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 63.6                             | 106.9                                  | 11.4           | 65.9                             | 108.0                                  | 15.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 62.0                             | 105.9                                  | 10.7           | 64.3                             | 107.0                                  | 15.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 60.4                             | 104.8                                  | 10.0           | 62.7                             | 106.0                                  | 14.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 45.5   |                                  |  |                |                                  |  |                | 65.0                             | 106.5                                  | 14.5           |                                  |  |                |                                  |  |                |
| 46.0   | 58.7                             | 103.6                                  | 9.3            | 61.1                             | 104.9                                  | 14.6           | 64.6                             | 106.3                                  | 15.1           |                                  |  |                |                                  |  |                |
| 48.0   | 57.0                             | 102.3                                  | 8.6            | 59.4                             | 103.8                                  | 13.5           | 63.1                             | 105.3                                  | 15.1           |                                  |  |                |                                  |  |                |
| 50.0   | 55.3                             | 100.9                                  | 8.0            | 57.7                             | 102.5                                  | 12.6           | 61.4                             | 104.2                                  | 14.8           |                                  |  |                |                                  |  |                |
| 55.0   | 50.8                             | 97.1                                   | 6.8            | 53.4                             | 99.1                                   | 10.5           | 57.3                             | 101.2                                  | 13.8           |                                  |  |                |                                  |  |                |
| 60.0   | 46.1                             | 92.6                                   | 5.8            | 48.8                             | 95.0                                   | 9.0            | 52.9                             | 97.7                                   | 12.5           |                                  |  |                |                                  |  |                |
| 62.8   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 97.3                                   | 10.3           |                                  |  |                |
| 65.0   | 40.8                             | 87.3                                   | 4.9            | 43.9                             | 90.1                                   | 7.5            | 48.3                             | 93.5                                   | 11.4           | 53.2                             | 95.8                                   | 10.6           |                                  |  |                |
| 70.0   | 35.0                             | 80.8                                   | 4.2            | 38.4                             | 84.3                                   | 6.2            | 43.3                             | 88.6                                   | 10.1           | 48.6                             | 91.7                                   | 9.5            |                                  |  |                |
| 75.0   | 28.1                             | 72.5                                   | 3.6            | 32.2                             | 77.2                                   | 5.3            | 37.8                             | 82.6                                   | 8.9            | 43.6                             | 86.8                                   | 8.7            |                                  |  |                |
| 80.0   | 19.1                             | 60.8                                   | 3.0            | 24.6                             | 67.8                                   | 4.4            | 31.4                             | 75.3                                   | 7.8            | 38.1                             | 80.9                                   | 7.9            |                                  |  |                |
| 81.0   | 16.7                             | 57.7                                   | 2.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 84.0   |                                  |  |                | 16.3                             | 56.8                                   | 3.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                | 23.6                             | 65.5                                   | 6.5            | 31.5                             | 73.3                                   | 6.9            |                                  |  |                |
| 89.0   |                                  |  |                |                                  |  |                | 15.7                             | 55.0                                   | 5.0            |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                | 23.7                             | 63.5                                   | 5.9            |                                  |  |                |
| 91.5   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 70.6                                   | 3.3            |
| 94.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.6                             | 52.8                                   | 5.2            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 31.1                             | 66.0                                   | 2.8            |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 23.2                             | 56.1                                   | 2.2            |
| 101.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 21.3                             | 53.6                                   | 2.0            |



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 83.5 m Plumín<br>37.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 21.6   | 78.0                             | 116.6                                  | 16.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 77.7                             | 116.5                                  | 16.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 76.3                             | 116.1                                  | 16.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 74.9                             | 115.5                                  | 16.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 73.5                             | 115.0                                  | 15.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 72.0                             | 114.3                                  | 15.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 31.5   |                                  |  |                | 73.0                             | 114.4                                  | 15.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 70.6                             | 113.6                                  | 14.7           | 72.7                             | 114.3                                  | 15.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 69.1                             | 112.9                                  | 14.4           | 71.2                             | 113.6                                  | 15.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 67.7                             | 112.1                                  | 13.3           | 69.7                             | 112.9                                  | 15.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 66.2                             | 111.2                                  | 12.2           | 68.3                             | 112.1                                  | 14.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 64.6                             | 110.3                                  | 11.2           | 66.8                             | 111.3                                  | 14.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 63.1                             | 109.3                                  | 10.4           | 65.3                             | 110.4                                  | 14.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 61.6                             | 108.2                                  | 9.8            | 63.8                             | 109.4                                  | 13.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 60.0                             | 107.1                                  | 9.1            | 62.2                             | 108.4                                  | 13.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.8   |                                  |  |                |                                  |  |                | 65.0                             | 109.2                                  | 14.0           |                                  |  |                |                                  |  |                |
| 48.0   | 58.4                             | 105.9                                  | 8.4            | 60.6                             | 107.3                                  | 13.3           | 64.1                             | 108.6                                  | 14.0           |                                  |  |                |                                  |  |                |
| 50.0   | 56.7                             | 104.6                                  | 7.8            | 59.0                             | 106.1                                  | 12.4           | 62.6                             | 107.6                                  | 13.9           |                                  |  |                |                                  |  |                |
| 55.0   | 52.5                             | 101.0                                  | 6.6            | 54.9                             | 102.8                                  | 10.4           | 58.6                             | 104.8                                  | 13.2           |                                  |  |                |                                  |  |                |
| 60.0   | 48.0                             | 96.8                                   | 5.6            | 50.6                             | 98.9                                   | 8.9            | 54.5                             | 101.4                                  | 12.1           |                                  |  |                |                                  |  |                |
| 64.6   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 99.7                                   | 9.7            |                                  |  |                |
| 65.0   | 43.2                             | 91.8                                   | 4.7            | 46.0                             | 94.4                                   | 7.4            | 50.1                             | 97.5                                   | 11.1           | 54.7                             | 99.5                                   | 10.0           |                                  |  |                |
| 70.0   | 37.9                             | 85.9                                   | 4.0            | 41.0                             | 89.1                                   | 6.1            | 45.5                             | 92.9                                   | 9.9            | 50.4                             | 95.6                                   | 9.3            |                                  |  |                |
| 75.0   | 31.8                             | 78.6                                   | 3.4            | 35.4                             | 82.6                                   | 5.1            | 40.4                             | 87.4                                   | 8.7            | 45.7                             | 91.1                                   | 8.5            |                                  |  |                |
| 80.0   | 24.4                             | 69.1                                   | 2.8            | 28.8                             | 74.5                                   | 4.3            | 34.7                             | 80.8                                   | 7.7            | 40.7                             | 85.7                                   | 7.7            |                                  |  |                |
| 84.0   | 16.4                             | 58.1                                   | 2.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                | 20.5                             | 63.4                                   | 3.4            | 28.0                             | 72.5                                   | 6.5            | 34.8                             | 78.8                                   | 6.6            |                                  |  |                |
| 87.0   |                                  |  |                | 16.0                             | 57.2                                   | 3.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                | 19.3                             | 60.9                                   | 5.2            | 28.9                             | 71.6                                   | 5.6            |                                  |  |                |
| 92.0   |                                  |  |                |                                  |  |                | 15.4                             | 55.4                                   | 4.3            |                                  |  |                |                                  |  |                |
| 93.9   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 72.3                                   | 2.6            |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                | 20.6                             | 60.6                                   | 4.8            | 34.4                             | 71.6                                   | 2.5            |
| 97.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.2                             | 54.4                                   | 4.4            |                                  |  |                |
| 98.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 30.5                             | 66.8                                   | 2.1            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 86.5 m Plumín<br>40.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.3   | 78.0                             | 119.6                                  | 15.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 76.8                             | 119.2                                  | 15.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 75.5                             | 118.6                                  | 15.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 74.1                             | 118.1                                  | 14.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 72.7                             | 117.5                                  | 14.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 71.3                             | 116.8                                  | 14.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.4   |                                  |  |                | 73.0                             | 117.3                                  | 14.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 69.9                             | 116.1                                  | 13.7           | 71.9                             | 116.8                                  | 14.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 68.5                             | 115.3                                  | 13.2           | 70.5                             | 116.1                                  | 14.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 67.0                             | 114.5                                  | 12.1           | 69.1                             | 115.3                                  | 14.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 65.6                             | 113.6                                  | 11.1           | 67.6                             | 114.5                                  | 13.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 64.1                             | 112.6                                  | 10.3           | 66.2                             | 113.7                                  | 13.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 62.6                             | 111.6                                  | 9.6            | 64.7                             | 112.7                                  | 13.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 61.1                             | 110.5                                  | 9.0            | 63.3                             | 111.8                                  | 13.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 59.6                             | 109.4                                  | 8.3            | 61.8                             | 110.7                                  | 12.8           | 65.0                             | 111.9                                  | 12.5           |                                  |  |                |                                  |  |                |
| 50.0   | 58.0                             | 108.2                                  | 7.7            | 60.2                             | 109.6                                  | 12.3           | 63.6                             | 111.0                                  | 13.0           |                                  |  |                |                                  |  |                |
| 55.0   | 54.0                             | 104.7                                  | 6.4            | 56.3                             | 106.4                                  | 10.3           | 59.8                             | 108.3                                  | 12.6           |                                  |  |                |                                  |  |                |
| 60.0   | 49.8                             | 100.8                                  | 5.4            | 52.2                             | 102.8                                  | 8.8            | 55.9                             | 105.1                                  | 11.8           |                                  |  |                |                                  |  |                |
| 65.0   | 45.3                             | 96.1                                   | 4.5            | 47.9                             | 98.5                                   | 7.4            | 51.8                             | 101.4                                  | 10.7           |                                  |  |                |                                  |  |                |
| 66.3   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 102.2                                  | 9.1            |                                  |  |                |
| 70.0   | 40.4                             | 90.7                                   | 3.8            | 43.2                             | 93.6                                   | 6.1            | 47.4                             | 97.1                                   | 9.8            | 52.0                             | 99.5                                   | 9.1            |                                  |  |                |
| 75.0   | 34.9                             | 84.1                                   | 3.1            | 38.1                             | 87.7                                   | 4.9            | 42.7                             | 92.0                                   | 8.6            | 47.7                             | 95.2                                   | 8.2            |                                  |  |                |
| 80.0   | 28.5                             | 75.9                                   | 2.6            | 32.3                             | 80.5                                   | 4.1            | 37.5                             | 86.0                                   | 7.6            | 43.0                             | 90.2                                   | 7.4            |                                  |  |                |
| 85.0   |                                  |  |                | 25.3                             | 71.3                                   | 3.4            | 31.6                             | 78.6                                   | 6.6            | 37.6                             | 84.0                                   | 6.3            |                                  |  |                |
| 90.0   |                                  |  |                | 15.7                             | 57.6                                   | 2.6            | 24.5                             | 69.1                                   | 5.4            | 32.4                             | 77.5                                   | 5.4            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                | 15.1                             | 55.8                                   | 3.8            | 25.5                             | 68.4                                   | 4.5            |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                | 15.9                             | 54.9                                   | 3.7            |                                  |  |                |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 89.5 m Plumín<br>43.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.9   | 78.0                             | 122.5                                  | 13.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 77.3                             | 122.2                                  | 13.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 76.0                             | 121.8                                  | 13.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 74.6                             | 121.2                                  | 13.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 73.3                             | 120.6                                  | 12.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 72.0                             | 120.0                                  | 12.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 33.3   |                                  |  |                | 73.0                             | 120.2                                  | 12.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 70.6                             | 119.3                                  | 12.2           | 72.5                             | 120.0                                  | 12.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 69.2                             | 118.5                                  | 11.9           | 71.2                             | 119.3                                  | 12.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 67.8                             | 117.7                                  | 11.2           | 69.8                             | 118.6                                  | 12.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 66.4                             | 116.9                                  | 10.3           | 68.4                             | 117.8                                  | 12.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 65.0                             | 115.9                                  | 9.6            | 67.0                             | 116.9                                  | 11.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 63.6                             | 115.0                                  | 8.9            | 65.6                             | 116.0                                  | 11.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 62.1                             | 113.9                                  | 8.3            | 64.2                             | 115.1                                  | 11.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 60.7                             | 112.8                                  | 7.8            | 62.7                             | 114.1                                  | 11.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 49.3   |                                  |  |                |                                  |  |                | 65.0                             | 114.6                                  | 11.2           |                                  |  |                |                                  |  |                |
| 50.0   | 59.2                             | 111.6                                  | 7.2            | 61.3                             | 113.0                                  | 10.9           | 64.5                             | 114.3                                  | 11.2           |                                  |  |                |                                  |  |                |
| 55.0   | 55.3                             | 108.3                                  | 5.9            | 57.5                             | 110.0                                  | 9.4            | 60.9                             | 111.7                                  | 10.9           |                                  |  |                |                                  |  |                |
| 60.0   | 51.3                             | 104.6                                  | 5.0            | 53.6                             | 106.5                                  | 8.1            | 57.1                             | 108.6                                  | 10.4           |                                  |  |                |                                  |  |                |
| 65.0   | 47.0                             | 100.2                                  | 4.1            | 49.5                             | 102.4                                  | 7.1            | 53.2                             | 105.1                                  | 9.6            |                                  |  |                |                                  |  |                |
| 68.0   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 104.7                                  | 8.5            |                                  |  |                |
| 70.0   | 42.4                             | 95.0                                   | 3.4            | 45.1                             | 97.7                                   | 5.8            | 49.0                             | 101.0                                  | 9.0            | 53.4                             | 103.2                                  | 8.5            |                                  |  |                |
| 75.0   | 37.4                             | 88.9                                   | 2.7            | 40.3                             | 92.2                                   | 4.7            | 44.6                             | 96.2                                   | 8.0            | 49.3                             | 99.1                                   | 7.7            |                                  |  |                |
| 80.0   | 31.6                             | 81.5                                   | 2.3            | 35.0                             | 85.6                                   | 3.8            | 39.7                             | 90.6                                   | 7.0            | 44.8                             | 94.4                                   | 7.0            |                                  |  |                |
| 85.0   |                                  |  |                | 28.8                             | 77.4                                   | 3.1            | 34.3                             | 83.8                                   | 6.3            | 40.0                             | 88.8                                   | 6.0            |                                  |  |                |
| 90.0   |                                  |  |                | 21.1                             | 66.4                                   | 2.4            | 28.1                             | 75.4                                   | 5.2            | 35.3                             | 83.0                                   | 5.1            |                                  |  |                |
| 92.0   |                                  |  |                | 17.1                             | 60.5                                   | 2.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                | 20.1                             | 64.0                                   | 4.1            | 29.3                             | 75.0                                   | 4.2            |                                  |  |                |
| 97.0   |                                  |  |                |                                  |  |                | 15.8                             | 57.6                                   | 3.6            |                                  |  |                |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                | 21.7                             | 64.3                                   | 3.4            |                                  |  |                |
| 103.0  |                                  |  |                |                                  |  |                |                                  |  |                | 15.6                             | 55.3                                   | 3.0            |                                  |  |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 92.5 m Plumín<br>46.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 23.6   | 78.0                             | 125.4                                  | 12.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 77.7                             | 125.3                                  | 12.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 76.4                             | 124.9                                  | 12.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 75.2                             | 124.3                                  | 12.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 73.9                             | 123.8                                  | 11.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 72.6                             | 123.1                                  | 11.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 71.2                             | 122.5                                  | 11.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.2   |                                  |  |                | 73.0                             | 123.1                                  | 11.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 69.9                             | 121.8                                  | 11.1           | 71.8                             | 122.5                                  | 11.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 68.6                             | 121.0                                  | 10.7           | 70.5                             | 121.8                                  | 11.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 67.2                             | 120.1                                  | 9.9            | 69.2                             | 121.0                                  | 11.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 65.9                             | 119.3                                  | 9.2            | 67.8                             | 120.2                                  | 10.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 64.5                             | 118.3                                  | 8.6            | 66.5                             | 119.3                                  | 10.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 63.1                             | 117.3                                  | 8.0            | 65.1                             | 118.4                                  | 10.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 61.7                             | 116.2                                  | 7.6            | 63.7                             | 117.4                                  | 10.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0   | 60.3                             | 115.1                                  | 7.1            | 62.3                             | 116.4                                  | 9.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.6   |                                  |  |                |                                  |  |                | 65.0                             | 117.4                                  | 10.1           |                                  |  |                |                                  |  |                |
| 55.0   | 56.6                             | 112.0                                  | 5.8            | 58.7                             | 113.5                                  | 8.9            | 61.9                             | 115.1                                  | 9.9            |                                  |  |                |                                  |  |                |
| 60.0   | 52.8                             | 108.4                                  | 4.8            | 55.0                             | 110.2                                  | 7.8            | 58.3                             | 112.2                                  | 9.4            |                                  |  |                |                                  |  |                |
| 65.0   | 48.7                             | 104.2                                  | 4.0            | 51.1                             | 106.4                                  | 7.0            | 54.6                             | 108.8                                  | 8.9            |                                  |  |                |                                  |  |                |
| 69.7   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 107.1                                  | 7.9            |                                  |  |                |
| 70.0   | 44.4                             | 99.4                                   | 3.2            | 46.9                             | 101.9                                  | 5.8            | 50.6                             | 104.9                                  | 8.4            | 54.8                             | 106.9                                  | 7.9            |                                  |  |                |
| 75.0   | 39.8                             | 93.8                                   | 2.6            | 42.5                             | 96.8                                   | 4.6            | 46.4                             | 100.4                                  | 7.7            | 50.9                             | 103.1                                  | 7.5            |                                  |  |                |
| 80.0   |                                  |  |                | 37.6                             | 90.7                                   | 3.7            | 41.9                             | 95.2                                   | 6.8            | 46.7                             | 98.6                                   | 6.8            |                                  |  |                |
| 85.0   |                                  |  |                | 32.1                             | 83.4                                   | 3.0            | 37.0                             | 89.0                                   | 6.1            | 42.2                             | 93.4                                   | 5.8            |                                  |  |                |
| 90.0   |                                  |  |                | 25.5                             | 74.2                                   | 2.3            | 31.4                             | 81.5                                   | 5.2            | 37.9                             | 88.0                                   | 4.9            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                | 24.7                             | 72.0                                   | 4.2            | 32.5                             | 80.9                                   | 4.0            |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                | 15.5                             | 58.0                                   | 3.1            | 26.1                             | 71.8                                   | 3.2            |                                  |  |                |
| 105.0  |                                  |  |                |                                  |  |                |                                  |  |                | 17.6                             | 59.1                                   | 2.5            |                                  |  |                |
| 106.0  |                                  |  |                |                                  |  |                |                                  |  |                | 15.4                             | 55.7                                   | 2.4            |                                  |  |                |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 95.5 m Plumín<br>49.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.2   | 78.0                             | 128.4                                  | 11.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 76.9                             | 127.9                                  | 11.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 75.6                             | 127.4                                  | 11.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 74.4                             | 126.9                                  | 10.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 73.1                             | 126.3                                  | 10.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 71.9                             | 125.6                                  | 10.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 35.0   |                                  |  |                | 73.0                             | 125.9                                  | 10.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 70.6                             | 124.9                                  | 10.2           | 72.4                             | 125.6                                  | 10.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 69.3                             | 124.2                                  | 10.0           | 71.1                             | 124.9                                  | 10.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 68.0                             | 123.4                                  | 9.4            | 69.8                             | 124.2                                  | 10.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 66.7                             | 122.5                                  | 8.8            | 68.5                             | 123.4                                  | 10.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 65.4                             | 121.6                                  | 8.2            | 67.2                             | 122.6                                  | 9.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 64.0                             | 120.7                                  | 7.7            | 65.9                             | 121.7                                  | 9.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 62.7                             | 119.7                                  | 7.2            | 64.6                             | 120.8                                  | 9.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0   | 61.3                             | 118.6                                  | 6.8            | 63.2                             | 119.8                                  | 9.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 51.8   |                                  |  |                |                                  |  |                | 65.0                             | 120.1                                  | 9.2            |                                  |  |                |                                  |  |                |
| 55.0   | 57.8                             | 115.6                                  | 5.6            | 59.8                             | 117.0                                  | 8.5            | 62.9                             | 118.5                                  | 9.1            |                                  |  |                |                                  |  |                |
| 60.0   | 54.1                             | 112.1                                  | 4.5            | 56.2                             | 113.8                                  | 7.4            | 59.4                             | 115.7                                  | 8.7            |                                  |  |                |                                  |  |                |
| 65.0   | 50.3                             | 108.2                                  | 3.7            | 52.5                             | 110.2                                  | 6.6            | 55.8                             | 112.5                                  | 8.3            |                                  |  |                |                                  |  |                |
| 70.0   | 46.3                             | 103.7                                  | 3.0            | 48.6                             | 106.0                                  | 5.6            | 52.1                             | 108.8                                  | 8.0            |                                  |  |                |                                  |  |                |
| 71.4   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 109.6                                  | 7.4            |                                  |  |                |
| 75.0   | 41.9                             | 98.4                                   | 2.3            | 44.4                             | 101.2                                  | 4.5            | 48.1                             | 104.5                                  | 7.5            | 52.3                             | 106.9                                  | 7.2            |                                  |  |                |
| 80.0   |                                  |  |                | 39.9                             | 95.6                                   | 3.5            | 43.9                             | 99.6                                   | 6.6            | 48.4                             | 102.7                                  | 6.5            |                                  |  |                |
| 85.0   |                                  |  |                | 34.9                             | 88.9                                   | 2.7            | 39.4                             | 93.9                                   | 5.8            | 44.6                             | 98.4                                   | 5.5            |                                  |  |                |
| 90.0   |                                  |  |                | 29.1                             | 80.8                                   | 2.1            | 34.3                             | 87.1                                   | 5.1            | 40.2                             | 92.8                                   | 4.6            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                | 28.5                             | 78.8                                   | 4.1            | 35.2                             | 86.3                                   | 3.7            |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                | 21.2                             | 67.7                                   | 3.1            | 29.6                             | 78.3                                   | 2.9            |                                  |  |                |
| 103.0  |                                  |  |                |                                  |  |                | 15.3                             | 58.4                                   | 2.5            |                                  |  |                |                                  |  |                |
| 105.0  |                                  |  |                |                                  |  |                |                                  |  |                | 22.7                             | 68.0                                   | 2.2            |                                  |  |                |
| 106.0  |                                  |  |                |                                  |  |                |                                  |  |                | 21.0                             | 65.4                                   | 2.1            |                                  |  |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 98.5 m Plumín<br>52.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.8   | 78.0                             | 131.3                                  | 10.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 77.3                             | 131.0                                  | 10.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 76.1                             | 130.5                                  | 10.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 74.9                             | 130.0                                  | 10.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 73.7                             | 129.4                                  | 9.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 72.4                             | 128.8                                  | 9.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 35.9   |                                  |  |                | 73.0                             | 128.8                                  | 9.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 71.2                             | 128.1                                  | 9.4            | 73.0                             | 128.8                                  | 9.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 70.0                             | 127.4                                  | 9.3            | 71.7                             | 128.1                                  | 9.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 68.7                             | 126.6                                  | 9.0            | 70.5                             | 127.4                                  | 9.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 67.4                             | 125.8                                  | 8.4            | 69.2                             | 126.7                                  | 9.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 66.2                             | 124.9                                  | 7.8            | 68.0                             | 125.9                                  | 9.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 64.9                             | 124.0                                  | 7.3            | 66.7                             | 125.0                                  | 8.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 63.6                             | 123.0                                  | 6.9            | 65.4                             | 124.1                                  | 8.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0   | 62.3                             | 122.0                                  | 6.5            | 64.1                             | 123.1                                  | 8.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 53.1   |                                  |  |                |                                  |  |                | 65.0                             | 122.8                                  | 8.4            |                                  |  |                |                                  |  |                |
| 55.0   | 58.9                             | 119.1                                  | 5.4            | 60.8                             | 120.5                                  | 8.1            | 63.8                             | 121.9                                  | 8.4            |                                  |  |                |                                  |  |                |
| 60.0   | 55.4                             | 115.8                                  | 4.3            | 57.4                             | 117.4                                  | 7.2            | 60.5                             | 119.2                                  | 8.1            |                                  |  |                |                                  |  |                |
| 65.0   | 51.8                             | 112.1                                  | 3.5            | 53.9                             | 114.0                                  | 6.4            | 57.0                             | 116.1                                  | 7.8            |                                  |  |                |                                  |  |                |
| 70.0   | 47.9                             | 107.8                                  | 2.8            | 50.1                             | 110.0                                  | 5.6            | 53.5                             | 112.6                                  | 7.5            |                                  |  |                |                                  |  |                |
| 73.2   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 112.0                                  | 6.9            |                                  |  |                |
| 75.0   | 43.8                             | 102.9                                  | 2.1            | 46.2                             | 105.4                                  | 4.5            | 49.7                             | 108.5                                  | 7.3            | 53.7                             | 110.7                                  | 6.9            |                                  |  |                |
| 80.0   |                                  |  |                | 42.0                             | 100.2                                  | 3.5            | 45.7                             | 103.9                                  | 6.5            | 49.9                             | 106.7                                  | 6.2            |                                  |  |                |
| 85.0   |                                  |  |                | 37.3                             | 94.1                                   | 2.6            | 41.5                             | 98.6                                   | 5.7            | 46.4                             | 102.6                                  | 5.2            |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                | 36.8                             | 92.3                                   | 5.0            | 42.2                             | 97.4                                   | 4.3            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                | 31.6                             | 84.9                                   | 4.2            | 37.6                             | 91.4                                   | 3.4            |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                | 25.4                             | 75.5                                   | 3.2            | 32.5                             | 84.2                                   | 2.7            |                                  |  |                |
| 104.0  |                                  |  |                |                                  |  |                |                                  |  |                | 27.9                             | 77.2                                   | 2.1            |                                  |  |                |
| 105.0  |                                  |  |                |                                  |  |                | 18.4                             | 64.3                                   | 2.2            |                                  |  |                |                                  |  |                |
| 106.0  |                                  |  |                |                                  |  |                | 16.4                             | 61.1                                   | 2.0            |                                  |  |                |                                  |  |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]   | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|---|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 101.5 m Plumín<br>55.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 25.4  | 78.0                             | 134.2                                  | 9.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0  | 77.7                             | 134.1                                  | 9.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0  | 76.5                             | 133.6                                  | 9.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0  | 75.3                             | 133.1                                  | 9.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0  | 74.2                             | 132.6                                  | 9.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0  | 73.0                             | 132.0                                  | 9.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0  | 71.8                             | 131.3                                  | 8.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.8  |                                  |  |                | 73.0                             | 131.7                                  | 8.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0  | 70.6                             | 130.6                                  | 8.6            | 72.3                             | 131.3                                  | 8.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0  | 69.4                             | 129.9                                  | 8.4            | 71.1                             | 130.6                                  | 8.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0  | 68.2                             | 129.1                                  | 8.0            | 69.9                             | 129.9                                  | 8.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0  | 66.9                             | 128.2                                  | 7.5            | 68.7                             | 129.1                                  | 8.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0  | 65.7                             | 127.3                                  | 7.0            | 67.4                             | 128.3                                  | 8.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0  | 64.4                             | 126.4                                  | 6.5            | 66.2                             | 127.4                                  | 8.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0  | 63.2                             | 125.4                                  | 6.1            | 65.0                             | 126.5                                  | 7.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 54.4  |                                  |  |                |                                  |  |                | 65.0                             | 125.5                                  | 7.7            |                                  |  |                |                                  |  |                |
| 55.0  | 59.9                             | 122.6                                  | 5.2            | 61.8                             | 123.9                                  | 7.5            | 64.6                             | 125.2                                  | 7.7            |                                  |  |                |                                  |  |                |
| 60.0  | 56.6                             | 119.5                                  | 4.1            | 58.5                             | 121.0                                  | 6.8            | 61.4                             | 122.6                                  | 7.5            |                                  |  |                |                                  |  |                |
| 65.0  | 53.1                             | 115.9                                  | 3.2            | 55.1                             | 117.7                                  | 6.0            | 58.1                             | 119.7                                  | 7.2            |                                  |  |                |                                  |  |                |
| 70.0  | 49.4                             | 111.8                                  | 2.5            | 51.5                             | 113.9                                  | 5.4            | 54.7                             | 116.3                                  | 6.9            |                                  |  |                |                                  |  |                |
| 74.9  |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 114.5                                  | 6.3            |                                  |  |                |
| 75.0  |                                  |  |                |                                  |  |                |                                  |  |                | 54.9                             | 114.4                                  | 6.3            |                                  |  |                |
| 80.0  |                                  |  |                | 47.8                             | 109.6                                  | 4.4            | 51.1                             | 112.5                                  | 6.7            | 54.9                             | 114.4                                  | 6.3            |                                  |  |                |
| 80.0  |                                  |  |                | 43.8                             | 104.6                                  | 3.3            | 47.4                             | 108.1                                  | 6.2            | 51.4                             | 110.6                                  | 5.9            |                                  |  |                |
| 85.0  |                                  |  |                | 40.0                             | 99.6                                   | 2.4            | 43.4                             | 103.1                                  | 5.4            | 48.0                             | 106.7                                  | 4.9            |                                  |  |                |
| 87.0  |                                  |  |                | 37.7                             | 96.4                                   | 2.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0  |                                  |  |                |                                  |  |                | 39.0                             | 97.3                                   | 4.7            | 44.0                             | 101.8                                  | 4.0            |                                  |  |                |
| 95.0  |                                  |  |                |                                  |  |                | 34.3                             | 90.4                                   | 4.1            | 39.8                             | 96.2                                   | 3.1            |                                  |  |                |
| 100.0   |                                  |  |                |                                  |  |                | 28.8                             | 82.1                                   | 3.2            | 35.1                             | 89.6                                   | 2.4            |                                  |  |                |
| 102.0   |                                  |  |                |                                  |  |                |                                  |  |                | 33.1                             | 86.6                                   | 2.1            |                                  |  |                |
| 105.0   |                                  |  |                |                                  |  |                | 22.1                             | 71.4                                   | 2.3            |                                  |  |                |                                  |  |                |
| 106.0   |                                  |  |                |                                  |  |                | 20.5                             | 68.8                                   | 2.1            |                                  |  |                |                                  |  |                |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]   | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|---|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 104.5 m Plumín<br>46.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.1  | 78.0                             | 137.2                                  | 9.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0  | 76.9                             | 136.7                                  | 9.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0  | 75.8                             | 136.2                                  | 8.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0  | 74.6                             | 135.7                                  | 8.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0  | 73.5                             | 135.1                                  | 8.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0  | 72.3                             | 134.5                                  | 8.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 37.7  |                                  |  |                | 73.0                             | 134.5                                  | 8.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0  | 71.2                             | 133.8                                  | 8.1            | 72.8                             | 134.4                                  | 8.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0  | 70.0                             | 133.1                                  | 7.9            | 71.7                             | 133.8                                  | 8.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0  | 68.8                             | 132.3                                  | 7.7            | 70.5                             | 133.1                                  | 8.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0  | 67.6                             | 131.5                                  | 7.2            | 69.3                             | 132.3                                  | 7.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0  | 66.4                             | 130.6                                  | 6.7            | 68.1                             | 131.5                                  | 7.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0  | 65.2                             | 129.7                                  | 6.3            | 66.9                             | 130.7                                  | 7.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0  | 64.0                             | 128.7                                  | 5.9            | 65.7                             | 129.8                                  | 7.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.0  | 60.9                             | 126.1                                  | 5.0            | 62.7                             | 127.3                                  | 7.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.6  |                                  |  |                |                                  |  |                | 65.0                             | 128.2                                  | 7.1            |                                  |  |                |                                  |  |                |
| 60.0  | 57.7                             | 123.1                                  | 4.0            | 59.5                             | 124.5                                  | 6.5            | 62.3                             | 126.0                                  | 7.0            |                                  |  |                |                                  |  |                |
| 65.0  | 54.3                             | 119.6                                  | 3.1            | 56.2                             | 121.3                                  | 5.7            | 59.2                             | 123.2                                  | 6.7            |                                  |  |                |                                  |  |                |
| 70.0  | 50.8                             | 115.8                                  | 2.4            | 52.8                             | 117.7                                  | 5.1            | 55.9                             | 120.0                                  | 6.5            |                                  |  |                |                                  |  |                |
| 72.0  | 49.4                             | 114.1                                  | 2.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 75.0  |                                  |  |                | 49.3                             | 113.6                                  | 4.4            | 52.5                             | 116.3                                  | 6.2            |                                  |  |                |                                  |  |                |
| 76.6  |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 117.0                                  | 5.8            |                                  |  |                |
| 80.0  |                                  |  |                | 45.9                             | 109.4                                  | 3.3            | 48.9                             | 112.1                                  | 6.0            | 52.7                             | 114.4                                  | 5.7            |                                  |  |                |
| 85.0  |                                  |  |                | 41.5                             | 103.6                                  | 2.4            | 45.1                             | 107.4                                  | 5.3            | 49.5                             | 110.7                                  | 4.8            |                                  |  |                |
| 87.0  |                                  |  |                | 39.8                             | 101.2                                  | 2.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0  |                                  |  |                |                                  |  |                | 41.0                             | 102.0                                  | 4.6            | 45.7                             | 106.1                                  | 3.8            |                                  |  |                |
| 95.0  |                                  |  |                |                                  |  |                | 36.6                             | 95.7                                   | 4.0            | 41.7                             | 100.8                                  | 3.0            |                                  |  |                |
| 100.0   |                                  |  |                |                                  |  |                | 31.7                             | 88.2                                   | 3.3            | 37.4                             | 94.7                                   | 2.2            |                                  |  |                |
| 101.0   |                                  |  |                |                                  |  |                |                                  |  |                | 36.5                             | 93.4                                   | 2.1            |                                  |  |                |
| 105.0   |                                  |  |                |                                  |  |                | 25.9                             | 78.9                                   | 2.4            |                                  |  |                |                                  |  |                |



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]   | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|---|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 107.5 m Plumín<br>49.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.7  | 78.0                             | 140.1                                  | 8.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0  | 77.3                             | 139.8                                  | 8.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0  | 76.2                             | 139.3                                  | 8.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0  | 75.1                             | 138.8                                  | 7.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0  | 74.0                             | 138.2                                  | 7.6            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0  | 72.8                             | 137.6                                  | 7.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0  | 71.7                             | 137.0                                  | 7.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.6  |                                  |  |                | 73.0                             | 137.4                                  | 7.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0  | 70.6                             | 136.3                                  | 7.1            | 72.2                             | 136.9                                  | 7.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0  | 69.4                             | 135.5                                  | 6.9            | 71.1                             | 136.3                                  | 7.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0  | 68.3                             | 134.7                                  | 6.6            | 69.9                             | 135.5                                  | 7.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0  | 67.1                             | 133.9                                  | 6.2            | 68.8                             | 134.8                                  | 6.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0  | 66.0                             | 133.0                                  | 5.8            | 67.6                             | 133.9                                  | 6.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0  | 64.8                             | 132.1                                  | 5.4            | 66.4                             | 133.1                                  | 6.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.0  | 61.8                             | 129.5                                  | 4.7            | 63.5                             | 130.7                                  | 6.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 56.9  |                                  |  |                |                                  |  |                | 65.0                             | 131.0                                  | 6.2            |                                  |  |                |                                  |  |                |
| 60.0  | 58.7                             | 126.6                                  | 3.7            | 60.4                             | 128.0                                  | 5.9            | 63.2                             | 129.4                                  | 6.2            |                                  |  |                |                                  |  |                |
| 65.0  | 55.5                             | 123.3                                  | 2.8            | 57.3                             | 124.9                                  | 5.2            | 60.1                             | 126.7                                  | 5.9            |                                  |  |                |                                  |  |                |
| 70.0  |                                  |  |                | 54.1                             | 121.5                                  | 4.7            | 57.0                             | 123.6                                  | 5.7            |                                  |  |                |                                  |  |                |
| 75.0  |                                  |  |                | 50.7                             | 117.6                                  | 4.3            | 53.7                             | 120.1                                  | 5.4            |                                  |  |                |                                  |  |                |
| 78.3  |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 119.4                                  | 5.1            |                                  |  |                |
| 80.0  |                                  |  |                |                                  |  |                |                                  |  |                | 53.9                             | 118.2                                  | 5.1            |                                  |  |                |
| 85.0  |                                  |  |                | 47.1                             | 113.1                                  | 3.2            | 50.3                             | 116.1                                  | 5.3            | 50.8                             | 114.7                                  | 4.4            |                                  |  |                |
| 86.0  |                                  |  |                | 43.3                             | 108.1                                  | 2.3            | 46.7                             | 111.6                                  | 4.8            |                                  |  |                |                                  |  |                |
| 88.0  |                                  |  |                | 42.9                             | 107.6                                  | 2.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0  |                                  |  |                |                                  |  |                | 42.9                             | 106.5                                  | 4.1            | 47.3                             | 110.3                                  | 3.5            |                                  |  |                |
| 95.0  |                                  |  |                |                                  |  |                | 38.8                             | 100.6                                  | 3.6            | 43.5                             | 105.3                                  | 2.6            |                                  |  |                |
| 99.0  |                                  |  |                |                                  |  |                |                                  |  |                | 40.3                             | 100.8                                  | 2.0            |                                  |  |                |
| 100.0   |                                  |  |                |                                  |  |                | 34.2                             | 93.8                                   | 3.1            |                                  |  |                |                                  |  |                |
| 105.0   |                                  |  |                |                                  |  |                | 29.1                             | 85.5                                   | 2.3            |                                  |  |                |                                  |  |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]   | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|---|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 110.5 m Plumín<br>52.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 27.3  | 78.0                             | 143.0                                  | 7.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0  | 77.6                             | 142.9                                  | 7.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0  | 76.6                             | 142.4                                  | 7.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0  | 75.5                             | 141.9                                  | 7.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0  | 74.4                             | 141.3                                  | 6.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0  | 73.3                             | 140.8                                  | 6.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0  | 72.2                             | 140.1                                  | 6.6            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 39.4  |                                  |  |                | 73.0                             | 140.3                                  | 6.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0  | 71.1                             | 139.4                                  | 6.4            | 72.7                             | 140.1                                  | 6.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0  | 70.0                             | 138.7                                  | 6.3            | 71.6                             | 139.4                                  | 6.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0  | 68.9                             | 138.0                                  | 6.1            | 70.5                             | 138.7                                  | 6.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0  | 67.8                             | 137.2                                  | 5.7            | 69.4                             | 138.0                                  | 6.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0  | 66.7                             | 136.3                                  | 5.3            | 68.3                             | 137.2                                  | 6.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0  | 65.5                             | 135.4                                  | 5.0            | 67.1                             | 136.4                                  | 5.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.0  | 62.6                             | 132.9                                  | 4.3            | 64.3                             | 134.1                                  | 5.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 58.2  |                                  |  |                |                                  |  |                | 65.0                             | 133.7                                  | 5.5            |                                  |  |                |                                  |  |                |
| 60.0  | 59.6                             | 130.1                                  | 3.5            | 61.3                             | 131.4                                  | 5.3            | 64.0                             | 132.8                                  | 5.5            |                                  |  |                |                                  |  |                |
| 65.0  | 56.6                             | 127.0                                  | 2.6            | 58.3                             | 128.5                                  | 4.8            | 61.0                             | 130.1                                  | 5.3            |                                  |  |                |                                  |  |                |
| 70.0  |                                  |  |                | 55.2                             | 125.2                                  | 4.4            | 58.0                             | 127.2                                  | 5.0            |                                  |  |                |                                  |  |                |
| 75.0  |                                  |  |                | 51.9                             | 121.4                                  | 4.0            | 54.8                             | 123.8                                  | 4.8            |                                  |  |                |                                  |  |                |
| 80.0  |                                  |  |                | 48.5                             | 117.2                                  | 3.2            | 51.6                             | 120.0                                  | 4.6            | 55.0                             | 121.9                                  | 4.5            |                                  |  |                |
| 85.0  |                                  |  |                | 44.9                             | 112.4                                  | 2.3            | 48.2                             | 115.7                                  | 4.3            | 51.8                             | 118.1                                  | 4.1            |                                  |  |                |
| 86.0  |                                  |  |                | 44.6                             | 111.9                                  | 2.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0  |                                  |  |                |                                  |  |                | 44.5                             | 110.9                                  | 3.8            | 48.7                             | 114.3                                  | 3.2            |                                  |  |                |
| 95.0  |                                  |  |                |                                  |  |                | 40.7                             | 105.4                                  | 3.3            | 45.1                             | 109.6                                  | 2.4            |                                  |  |                |
| 97.0  |                                  |  |                |                                  |  |                |                                  |  |                | 43.6                             | 107.5                                  | 2.1            |                                  |  |                |
| 100.0   |                                  |  |                |                                  |  |                | 36.5                             | 99.0                                   | 2.9            |                                  |  |                |                                  |  |                |
| 105.0   |                                  |  |                |                                  |  |                | 32.4                             | 92.4                                   | 2.2            |                                  |  |                |                                  |  |                |
| 106.0   |                                  |  |                |                                  |  |                | 31.4                             | 90.8                                   | 2.1            |                                  |  |                |                                  |  |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 32.5 m Plumín<br>13.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 11.0   | 78.0                             | 66.7                                   | 44.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 12.0   | 76.2                             | 66.5                                   | 43.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 13.0   | 74.4                             | 66.2                                   | 41.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.0   | 72.6                             | 65.9                                   | 39.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 68.8                             | 65.2                                   | 36.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.6   |                                  |  |                | 73.0                             | 65.7                                   | 38.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 64.9                             | 64.3                                   | 33.2           | 70.4                             | 65.2                                   | 36.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 61.0                             | 63.2                                   | 31.0           | 66.6                             | 64.4                                   | 33.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 56.8                             | 62.0                                   | 28.6           | 62.6                             | 63.4                                   | 31.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 52.4                             | 60.5                                   | 26.7           | 58.6                             | 62.2                                   | 29.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 25.2   |                                  |  |                |                                  |  |                | 65.0                             | 63.0                                   | 29.9           |                                  |  |                |                                  |  |                |
| 26.0   | 47.7                             | 58.7                                   | 25.0           | 54.3                             | 60.8                                   | 27.7           | 63.6                             | 62.6                                   | 31.8           |                                  |  |                |                                  |  |                |
| 28.0   | 42.7                             | 56.7                                   | 23.2           | 49.7                             | 59.2                                   | 26.3           | 59.5                             | 61.5                                   | 30.3           |                                  |  |                |                                  |  |                |
| 30.0   | 37.1                             | 54.2                                   | 21.7           | 44.9                             | 57.3                                   | 24.7           | 55.3                             | 60.2                                   | 28.7           |                                  |  |                |                                  |  |                |
| 32.0   | 30.6                             | 51.1                                   | 20.1           | 39.5                             | 55.0                                   | 23.3           | 50.8                             | 58.6                                   | 27.5           |                                  |  |                |                                  |  |                |
| 34.0   | 22.4                             | 46.9                                   | 18.4           | 33.4                             | 52.2                                   | 22.0           | 46.0                             | 56.8                                   | 25.9           |                                  |  |                |                                  |  |                |
| 35.0   | 16.9                             | 44.0                                   | 17.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 35.3   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 58.0                                   | 26.6           |                                  |  |                |
| 36.0   |                                  |  |                | 26.1                             | 48.6                                   | 20.1           | 40.8                             | 54.6                                   | 24.4           | 53.7                             | 57.5                                   | 28.1           |                                  |  |                |
| 38.0   |                                  |  |                | 15.8                             | 43.1                                   | 18.1           | 34.9                             | 51.9                                   | 23.1           | 49.2                             | 55.9                                   | 26.6           |                                  |  |                |
| 40.0   |                                  |  |                |                                  |  |                | 27.9                             | 48.5                                   | 21.5           | 44.2                             | 53.9                                   | 25.3           |                                  |  |                |
| 42.0   |                                  |  |                |                                  |  |                | 18.7                             | 43.6                                   | 19.8           | 38.8                             | 51.6                                   | 24.0           |                                  |  |                |
| 44.0   |                                  |  |                |                                  |  |                |                                  |  |                | 32.6                             | 48.7                                   | 22.9           |                                  |  |                |
| 46.0   |                                  |  |                |                                  |  |                |                                  |  |                | 25.1                             | 45.0                                   | 21.6           |                                  |  |                |
| 48.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.4                             | 40.3                                   | 15.1           |                                  |  |                |
| 52.2   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 43.1                                   | 17.2           |
| 55.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 25.6                             | 38.5                                   | 17.2           |
| 57.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.2                             | 34.0                                   | 15.1           |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 35.5 m Plumín<br>16.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 11.7   | 78.0                             | 69.7                                   | 39.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 12.0   | 77.4                             | 69.6                                   | 39.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 13.0   | 75.8                             | 69.3                                   | 37.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.0   | 74.1                             | 69.0                                   | 36.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 70.7                             | 68.4                                   | 33.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 17.5   |                                  |  |                | 73.0                             | 68.5                                   | 33.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 67.2                             | 67.6                                   | 30.7           | 72.1                             | 68.4                                   | 33.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 63.6                             | 66.6                                   | 28.4           | 68.7                             | 67.6                                   | 31.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 59.9                             | 65.5                                   | 26.6           | 65.1                             | 66.7                                   | 28.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 56.1                             | 64.2                                   | 24.9           | 61.5                             | 65.7                                   | 27.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 52.1                             | 62.7                                   | 23.5           | 57.7                             | 64.5                                   | 25.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.5   |                                  |  |                |                                  |  |                | 65.0                             | 65.7                                   | 28.4           |                                  |  |                |                                  |  |                |
| 28.0   | 47.8                             | 61.0                                   | 22.1           | 53.8                             | 63.1                                   | 24.3           | 62.3                             | 65.0                                   | 27.8           |                                  |  |                |                                  |  |                |
| 30.0   | 43.2                             | 59.0                                   | 20.7           | 49.6                             | 61.4                                   | 23.1           | 58.6                             | 63.8                                   | 26.6           |                                  |  |                |                                  |  |                |
| 32.0   | 38.1                             | 56.6                                   | 19.5           | 45.2                             | 59.5                                   | 21.8           | 54.7                             | 62.4                                   | 25.2           |                                  |  |                |                                  |  |                |
| 34.0   | 32.4                             | 53.6                                   | 18.3           | 40.3                             | 57.3                                   | 20.6           | 50.6                             | 60.8                                   | 24.2           |                                  |  |                |                                  |  |                |
| 36.0   | 25.6                             | 49.9                                   | 17.0           | 34.9                             | 54.6                                   | 19.6           | 46.2                             | 59.0                                   | 22.8           |                                  |  |                |                                  |  |                |
| 37.0   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 60.4                                   | 23.4           |                                  |  |                |
| 38.0   | 16.1                             | 44.4                                   | 15.7           | 28.6                             | 51.3                                   | 18.3           | 41.5                             | 56.9                                   | 21.5           | 53.3                             | 59.8                                   | 24.9           |                                  |  |                |
| 40.0   |                                  |  |                | 20.6                             | 46.7                                   | 16.9           | 36.2                             | 54.3                                   | 20.5           | 49.1                             | 58.1                                   | 23.6           |                                  |  |                |
| 41.0   |                                  |  |                | 15.1                             | 43.5                                   | 16.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   |                                  |  |                |                                  |  |                | 30.2                             | 51.1                                   | 19.3           | 44.6                             | 56.2                                   | 22.5           |                                  |  |                |
| 44.0   |                                  |  |                |                                  |  |                | 22.7                             | 46.9                                   | 18.1           | 39.7                             | 53.9                                   | 21.3           |                                  |  |                |
| 45.0   |                                  |  |                |                                  |  |                | 17.8                             | 44.1                                   | 17.4           |                                  |  |                |                                  |  |                |
| 46.0   |                                  |  |                |                                  |  |                |                                  |  |                | 34.2                             | 51.2                                   | 20.4           |                                  |  |                |
| 48.0   |                                  |  |                |                                  |  |                |                                  |  |                | 27.8                             | 47.7                                   | 19.4           |                                  |  |                |
| 50.0   |                                  |  |                |                                  |  |                |                                  |  |                | 19.4                             | 42.9                                   | 18.3           |                                  |  |                |
| 51.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.6                             | 40.7                                   | 15.1           |                                  |  |                |
| 54.6   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 44.8                                   | 16.1           |
| 55.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 34.6                             | 44.6                                   | 16.9           |
| 60.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.4                             | 34.4                                   | 14.4           |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 38.5 m Plumín<br>19.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 12.3   | 78.0                             | 72.6                                   | 35.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 13.0   | 76.9                             | 72.4                                   | 34.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.0   | 75.4                             | 72.2                                   | 33.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 72.3                             | 71.6                                   | 30.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 69.1                             | 70.8                                   | 28.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.4   |                                  |  |                | 73.0                             | 71.4                                   | 30.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 65.8                             | 70.0                                   | 26.4           | 70.4                             | 70.8                                   | 28.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 62.5                             | 69.0                                   | 24.7           | 67.2                             | 70.0                                   | 26.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 59.1                             | 67.8                                   | 23.2           | 63.9                             | 69.1                                   | 25.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 55.5                             | 66.5                                   | 21.9           | 60.5                             | 68.0                                   | 23.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 27.8   |                                  |  |                |                                  |  |                | 65.0                             | 68.4                                   | 25.4           |                                  |  |                |                                  |  |                |
| 28.0   | 51.8                             | 65.0                                   | 20.8           | 57.0                             | 66.8                                   | 22.6           | 64.7                             | 68.3                                   | 25.4           |                                  |  |                |                                  |  |                |
| 30.0   | 47.8                             | 63.2                                   | 19.7           | 53.4                             | 65.3                                   | 21.6           | 61.3                             | 67.3                                   | 24.5           |                                  |  |                |                                  |  |                |
| 32.0   | 43.6                             | 61.2                                   | 18.6           | 49.5                             | 63.7                                   | 20.6           | 57.8                             | 66.1                                   | 23.5           |                                  |  |                |                                  |  |                |
| 34.0   | 39.0                             | 58.9                                   | 17.6           | 45.4                             | 61.8                                   | 19.4           | 54.2                             | 64.7                                   | 22.3           |                                  |  |                |                                  |  |                |
| 36.0   | 33.9                             | 56.1                                   | 16.8           | 41.0                             | 59.6                                   | 18.4           | 50.4                             | 63.1                                   | 21.5           |                                  |  |                |                                  |  |                |
| 38.0   | 28.0                             | 52.6                                   | 15.7           | 36.1                             | 57.0                                   | 17.5           | 46.4                             | 61.2                                   | 20.3           |                                  |  |                |                                  |  |                |
| 38.8   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 62.9                                   | 20.8           |                                  |  |                |
| 40.0   | 20.5                             | 48.0                                   | 14.7           | 30.6                             | 53.9                                   | 16.6           | 42.0                             | 59.1                                   | 19.1           | 52.9                             | 62.0                                   | 22.2           |                                  |  |                |
| 41.0   | 15.4                             | 44.8                                   | 14.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   |                                  |  |                | 23.9                             | 49.9                                   | 15.6           | 37.3                             | 56.6                                   | 18.2           | 49.0                             | 60.4                                   | 21.2           |                                  |  |                |
| 44.0   |                                  |  |                | 16.4                             | 45.1                                   | 12.9           | 31.9                             | 53.7                                   | 17.4           | 44.9                             | 58.4                                   | 20.2           |                                  |  |                |
| 46.0   |                                  |  |                |                                  |  |                | 25.6                             | 49.9                                   | 16.5           | 40.4                             | 56.2                                   | 19.2           |                                  |  |                |
| 48.0   |                                  |  |                |                                  |  |                | 17.1                             | 44.5                                   | 15.6           | 35.5                             | 53.6                                   | 18.3           |                                  |  |                |
| 50.0   |                                  |  |                |                                  |  |                |                                  |  |                | 29.9                             | 50.4                                   | 17.5           |                                  |  |                |
| 53.0   |                                  |  |                |                                  |  |                |                                  |  |                | 18.6                             | 43.4                                   | 16.3           |                                  |  |                |
| 57.1   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 46.5                                   | 14.9           |
| 60.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 27.0                             | 41.9                                   | 15.2           |
| 63.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.7                             | 34.8                                   | 13.2           |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 41.5 m Plumín<br>22.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 12.9   | 78.0                             | 75.5                                   | 31.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 13.0   | 77.9                             | 75.5                                   | 31.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.0   | 76.4                             | 75.3                                   | 30.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 73.6                             | 74.7                                   | 28.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 70.7                             | 74.0                                   | 25.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 19.2   |                                  |  |                | 73.0                             | 74.3                                   | 26.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 67.7                             | 73.2                                   | 24.1           | 71.9                             | 74.0                                   | 26.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 64.7                             | 72.3                                   | 22.4           | 68.9                             | 73.3                                   | 24.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 61.5                             | 71.3                                   | 21.1           | 65.9                             | 72.4                                   | 22.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 58.3                             | 70.1                                   | 19.9           | 62.9                             | 71.4                                   | 21.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 55.0                             | 68.7                                   | 18.8           | 59.7                             | 70.3                                   | 20.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 29.0   |                                  |  |                |                                  |  |                | 65.0                             | 71.1                                   | 21.1           |                                  |  |                |                                  |  |                |
| 30.0   | 51.5                             | 67.2                                   | 17.9           | 56.4                             | 69.0                                   | 19.5           | 63.6                             | 70.7                                   | 22.2           |                                  |  |                |                                  |  |                |
| 32.0   | 47.8                             | 65.5                                   | 17.0           | 53.0                             | 67.6                                   | 18.6           | 60.4                             | 69.6                                   | 21.2           |                                  |  |                |                                  |  |                |
| 34.0   | 44.0                             | 63.5                                   | 16.1           | 49.4                             | 65.9                                   | 17.7           | 57.2                             | 68.3                                   | 20.2           |                                  |  |                |                                  |  |                |
| 36.0   | 39.7                             | 61.2                                   | 15.3           | 45.6                             | 64.0                                   | 16.8           | 53.8                             | 66.9                                   | 19.2           |                                  |  |                |                                  |  |                |
| 38.0   | 35.1                             | 58.5                                   | 14.6           | 41.6                             | 61.9                                   | 15.9           | 50.2                             | 65.3                                   | 18.5           |                                  |  |                |                                  |  |                |
| 40.0   | 29.9                             | 55.3                                   | 13.8           | 37.1                             | 59.4                                   | 15.2           | 46.5                             | 63.5                                   | 17.5           |                                  |  |                |                                  |  |                |
| 40.5   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 65.3                                   | 18.2           |                                  |  |                |
| 42.0   | 23.6                             | 51.1                                   | 13.0           | 32.2                             | 56.4                                   | 14.4           | 42.5                             | 61.4                                   | 16.6           | 52.6                             | 64.3                                   | 19.2           |                                  |  |                |
| 44.0   | 16.6                             | 46.4                                   | 10.5           | 26.4                             | 52.7                                   | 13.7           | 38.2                             | 59.0                                   | 15.8           | 49.0                             | 62.6                                   | 18.2           |                                  |  |                |
| 46.0   |                                  |  |                | 19.0                             | 47.7                                   | 12.9           | 33.4                             | 56.1                                   | 15.1           | 45.1                             | 60.7                                   | 17.5           |                                  |  |                |
| 47.0   |                                  |  |                | 15.7                             | 45.5                                   | 10.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   |                                  |  |                |                                  |  |                | 27.8                             | 52.6                                   | 14.3           | 41.0                             | 58.5                                   | 16.6           |                                  |  |                |
| 50.0   |                                  |  |                |                                  |  |                | 20.9                             | 48.0                                   | 13.6           | 36.6                             | 55.9                                   | 15.8           |                                  |  |                |
| 51.0   |                                  |  |                |                                  |  |                | 16.4                             | 45.0                                   | 13.2           |                                  |  |                |                                  |  |                |
| 55.0   |                                  |  |                |                                  |  |                |                                  |  |                | 22.1                             | 46.8                                   | 14.1           |                                  |  |                |
| 56.0   |                                  |  |                |                                  |  |                |                                  |  |                | 17.9                             | 43.9                                   | 13.7           |                                  |  |                |
| 59.5   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 48.2                                   | 13.6           |
| 60.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 34.4                             | 47.9                                   | 14.4           |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 18.4                             | 37.5                                   | 13.3           |
| 66.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.1                             | 35.2                                   | 11.6           |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 44.5 m Plumín<br>25.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 13.5   | 78.0                             | 78.5                                   | 28.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.0   | 77.4                             | 78.4                                   | 28.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 74.7                             | 77.8                                   | 26.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 72.0                             | 77.2                                   | 24.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 69.3                             | 76.5                                   | 22.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.1   |                                  |  |                | 73.0                             | 77.2                                   | 24.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 66.5                             | 75.6                                   | 21.0           | 70.4                             | 76.5                                   | 22.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 63.6                             | 74.7                                   | 19.6           | 67.7                             | 75.7                                   | 21.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 60.7                             | 73.6                                   | 18.5           | 64.8                             | 74.8                                   | 20.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 57.7                             | 72.4                                   | 17.5           | 61.9                             | 73.8                                   | 19.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 54.5                             | 71.0                                   | 16.6           | 59.0                             | 72.6                                   | 18.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.3   |                                  |  |                |                                  |  |                | 65.0                             | 73.9                                   | 20.2           |                                  |  |                |                                  |  |                |
| 32.0   | 51.3                             | 69.4                                   | 15.9           | 55.9                             | 71.3                                   | 17.2           | 62.6                             | 73.0                                   | 19.7           |                                  |  |                |                                  |  |                |
| 34.0   | 47.9                             | 67.7                                   | 15.1           | 52.7                             | 69.8                                   | 16.5           | 59.6                             | 71.9                                   | 18.8           |                                  |  |                |                                  |  |                |
| 36.0   | 44.2                             | 65.7                                   | 14.3           | 49.3                             | 68.1                                   | 15.7           | 56.6                             | 70.6                                   | 17.9           |                                  |  |                |                                  |  |                |
| 38.0   | 40.4                             | 63.5                                   | 13.6           | 45.8                             | 66.3                                   | 14.9           | 53.4                             | 69.2                                   | 17.0           |                                  |  |                |                                  |  |                |
| 40.0   | 36.1                             | 60.9                                   | 13.0           | 42.0                             | 64.1                                   | 14.1           | 50.1                             | 67.5                                   | 16.4           |                                  |  |                |                                  |  |                |
| 42.0   | 31.4                             | 57.8                                   | 12.4           | 38.0                             | 61.7                                   | 13.5           | 46.6                             | 65.7                                   | 15.5           |                                  |  |                |                                  |  |                |
| 42.2   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 67.8                                   | 16.0           |                                  |  |                |
| 44.0   | 25.9                             | 54.0                                   | 11.7           | 33.5                             | 58.8                                   | 12.9           | 42.9                             | 63.7                                   | 14.7           | 52.3                             | 66.5                                   | 17.0           |                                  |  |                |
| 46.0   | 19.0                             | 49.0                                   | 11.1           | 28.4                             | 55.4                                   | 12.2           | 38.9                             | 61.3                                   | 14.0           | 48.9                             | 64.8                                   | 16.2           |                                  |  |                |
| 47.0   | 16.0                             | 46.8                                   | 9.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   |                                  |  |                | 22.2                             | 51.0                                   | 11.5           | 34.5                             | 58.5                                   | 13.4           | 45.4                             | 62.9                                   | 15.5           |                                  |  |                |
| 50.0   |                                  |  |                | 15.2                             | 45.9                                   | 9.1            | 29.6                             | 55.3                                   | 12.8           | 41.6                             | 60.8                                   | 14.7           |                                  |  |                |
| 54.0   |                                  |  |                |                                  |  |                | 15.8                             | 45.4                                   | 11.5           |                                  |  |                |                                  |  |                |
| 55.0   |                                  |  |                |                                  |  |                |                                  |  |                | 30.4                             | 53.7                                   | 13.2           |                                  |  |                |
| 59.0   |                                  |  |                |                                  |  |                |                                  |  |                | 17.2                             | 44.3                                   | 11.9           |                                  |  |                |
| 62.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 50.0                                   | 12.5           |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 28.0                             | 45.3                                   | 12.7           |
| 68.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.8                             | 38.0                                   | 12.1           |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 47.5 m Plumín<br>28.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.2   | 78.0                             | 81.4                                   | 25.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 75.7                             | 81.0                                   | 23.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 73.2                             | 80.4                                   | 22.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 70.6                             | 79.7                                   | 21.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 21.0   |                                  |  |                | 73.0                             | 80.0                                   | 21.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 68.1                             | 78.9                                   | 20.0           | 71.7                             | 79.7                                   | 21.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 65.4                             | 78.0                                   | 18.9           | 69.1                             | 78.9                                   | 20.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 62.7                             | 77.0                                   | 18.1           | 66.5                             | 78.1                                   | 19.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 60.0                             | 75.9                                   | 17.4           | 63.9                             | 77.2                                   | 18.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 57.1                             | 74.6                                   | 16.7           | 61.1                             | 76.1                                   | 17.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 31.6   |                                  |  |                |                                  |  |                | 65.0                             | 76.6                                   | 18.7           |                                  |  |                |                                  |  |                |
| 32.0   | 54.2                             | 73.2                                   | 16.1           | 58.3                             | 74.9                                   | 17.2           | 64.5                             | 76.4                                   | 18.7           |                                  |  |                |                                  |  |                |
| 34.0   | 51.1                             | 71.7                                   | 15.6           | 55.4                             | 73.5                                   | 16.6           | 61.7                             | 75.3                                   | 18.1           |                                  |  |                |                                  |  |                |
| 36.0   | 47.9                             | 69.9                                   | 14.9           | 52.4                             | 72.1                                   | 16.1           | 59.0                             | 74.2                                   | 17.6           |                                  |  |                |                                  |  |                |
| 38.0   | 44.5                             | 68.0                                   | 14.1           | 49.3                             | 70.4                                   | 15.5           | 56.1                             | 72.9                                   | 17.0           |                                  |  |                |                                  |  |                |
| 40.0   | 40.9                             | 65.7                                   | 13.4           | 45.9                             | 68.5                                   | 14.8           | 53.1                             | 71.4                                   | 16.4           |                                  |  |                |                                  |  |                |
| 42.0   | 37.0                             | 63.2                                   | 12.8           | 42.4                             | 66.4                                   | 14.2           | 50.0                             | 69.8                                   | 16.0           |                                  |  |                |                                  |  |                |
| 43.9   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 70.3                                   | 15.8           |                                  |  |                |
| 44.0   | 32.7                             | 60.3                                   | 12.1           | 38.7                             | 64.0                                   | 13.6           | 46.7                             | 68.0                                   | 15.3           | 55.0                             | 70.3                                   | 16.5           |                                  |  |                |
| 46.0   | 27.8                             | 56.8                                   | 11.4           | 34.6                             | 61.3                                   | 13.1           | 43.3                             | 65.9                                   | 14.6           | 52.0                             | 68.8                                   | 16.2           |                                  |  |                |
| 48.0   | 22.0                             | 52.3                                   | 10.7           | 30.0                             | 58.0                                   | 12.3           | 39.6                             | 63.6                                   | 14.0           | 48.9                             | 67.1                                   | 15.8           |                                  |  |                |
| 50.0   | 15.4                             | 47.2                                   | 9.0            | 24.6                             | 54.0                                   | 11.5           | 35.5                             | 60.9                                   | 13.5           | 45.5                             | 65.2                                   | 15.3           |                                  |  |                |
| 52.0   |                                  |  |                | 17.7                             | 48.7                                   | 10.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.0   |                                  |  |                |                                  |  |                | 22.9                             | 51.7                                   | 11.7           | 36.2                             | 59.3                                   | 13.6           |                                  |  |                |
| 57.0   |                                  |  |                |                                  |  |                | 15.3                             | 45.7                                   | 11.0           |                                  |  |                |                                  |  |                |
| 60.0   |                                  |  |                |                                  |  |                |                                  |  |                | 23.9                             | 50.4                                   | 12.1           |                                  |  |                |
| 62.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.7                             | 44.8                                   | 11.5           |                                  |  |                |
| 64.5   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 51.7                                   | 12.1           |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 34.3                             | 51.2                                   | 12.5           |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 21.0                             | 41.4                                   | 11.5           |
| 71.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.2                             | 38.4                                   | 11.3           |



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 50.5 m Plumín<br>19.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.8   | 78.0                             | 84.3                                   | 22.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 76.6                             | 84.1                                   | 22.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 74.2                             | 83.5                                   | 21.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 71.8                             | 82.9                                   | 20.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 21.9   |                                  |  |                | 73.0                             | 82.9                                   | 19.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 69.4                             | 82.1                                   | 19.3           | 72.8                             | 82.8                                   | 19.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 67.0                             | 81.3                                   | 18.5           | 70.4                             | 82.2                                   | 19.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 64.5                             | 80.4                                   | 17.9           | 68.0                             | 81.4                                   | 18.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 61.9                             | 79.4                                   | 17.4           | 65.5                             | 80.5                                   | 18.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 59.3                             | 78.2                                   | 16.9           | 63.0                             | 79.5                                   | 17.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 56.6                             | 76.9                                   | 16.5           | 60.4                             | 78.4                                   | 17.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.8   |                                  |  |                |                                  |  |                | 65.0                             | 79.3                                   | 17.3           |                                  |  |                |                                  |  |                |
| 34.0   | 53.8                             | 75.5                                   | 16.1           | 57.7                             | 77.2                                   | 16.8           | 63.6                             | 78.7                                   | 17.8           |                                  |  |                |                                  |  |                |
| 36.0   | 50.9                             | 73.9                                   | 15.8           | 55.0                             | 75.8                                   | 16.5           | 61.0                             | 77.7                                   | 17.4           |                                  |  |                |                                  |  |                |
| 38.0   | 47.9                             | 72.2                                   | 15.1           | 52.1                             | 74.3                                   | 16.2           | 58.3                             | 76.5                                   | 17.1           |                                  |  |                |                                  |  |                |
| 40.0   | 44.7                             | 70.2                                   | 14.3           | 49.2                             | 72.6                                   | 15.7           | 55.6                             | 75.1                                   | 16.7           |                                  |  |                |                                  |  |                |
| 42.0   | 41.4                             | 68.0                                   | 13.5           | 46.1                             | 70.8                                   | 15.1           | 52.8                             | 73.7                                   | 16.4           |                                  |  |                |                                  |  |                |
| 44.0   | 37.8                             | 65.6                                   | 12.9           | 42.8                             | 68.7                                   | 14.6           | 49.9                             | 72.0                                   | 16.1           |                                  |  |                |                                  |  |                |
| 45.6   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 72.7                                   | 15.6           |                                  |  |                |
| 46.0   | 33.8                             | 62.7                                   | 12.3           | 39.3                             | 66.3                                   | 14.1           | 46.8                             | 70.2                                   | 15.5           | 54.7                             | 72.5                                   | 16.2           |                                  |  |                |
| 48.0   | 29.4                             | 59.4                                   | 11.5           | 35.5                             | 63.6                                   | 13.6           | 43.6                             | 68.2                                   | 14.8           | 51.8                             | 71.0                                   | 16.0           |                                  |  |                |
| 50.0   | 24.3                             | 55.3                                   | 10.8           | 31.3                             | 60.5                                   | 12.7           | 40.1                             | 65.9                                   | 14.3           | 48.8                             | 69.3                                   | 15.8           |                                  |  |                |
| 52.0   | 17.8                             | 49.9                                   | 10.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.0   |                                  |  |                | 17.1                             | 49.1                                   | 10.5           | 30.1                             | 58.6                                   | 12.8           | 40.7                             | 64.2                                   | 14.4           |                                  |  |                |
| 60.0   |                                  |  |                |                                  |  |                | 16.2                             | 47.4                                   | 10.8           | 31.5                             | 57.6                                   | 13.1           |                                  |  |                |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                | 17.5                             | 46.3                                   | 11.5           |                                  |  |                |
| 66.9   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 53.4                                   | 11.7           |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 28.7                             | 48.7                                   | 11.5           |
| 74.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.6                             | 38.8                                   | 10.8           |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 53.5 m Plumín<br>22.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 15.4   | 78.0                             | 87.3                                   | 20.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 77.3                             | 87.1                                   | 20.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 75.1                             | 86.6                                   | 19.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 72.9                             | 86.0                                   | 18.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 70.6                             | 85.3                                   | 17.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.7   |                                  |  |                | 73.0                             | 85.8                                   | 17.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 68.3                             | 84.6                                   | 17.1           | 71.6                             | 85.3                                   | 17.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 66.0                             | 83.7                                   | 16.5           | 69.3                             | 84.6                                   | 17.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 63.6                             | 82.7                                   | 16.1           | 67.0                             | 83.8                                   | 16.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 61.2                             | 81.7                                   | 15.7           | 64.6                             | 82.9                                   | 16.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 58.7                             | 80.5                                   | 15.3           | 62.2                             | 81.8                                   | 15.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 56.1                             | 79.2                                   | 15.0           | 59.8                             | 80.7                                   | 15.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.1   |                                  |  |                |                                  |  |                | 65.0                             | 82.0                                   | 16.2           |                                  |  |                |                                  |  |                |
| 36.0   | 53.5                             | 77.7                                   | 14.7           | 57.2                             | 79.4                                   | 15.2           | 62.8                             | 81.1                                   | 16.0           |                                  |  |                |                                  |  |                |
| 38.0   | 50.8                             | 76.2                                   | 14.5           | 54.6                             | 78.1                                   | 15.0           | 60.3                             | 80.0                                   | 15.7           |                                  |  |                |                                  |  |                |
| 40.0   | 47.9                             | 74.4                                   | 13.8           | 51.9                             | 76.5                                   | 14.8           | 57.8                             | 78.7                                   | 15.4           |                                  |  |                |                                  |  |                |
| 42.0   | 44.9                             | 72.5                                   | 13.1           | 49.1                             | 74.9                                   | 14.3           | 55.2                             | 77.4                                   | 15.1           |                                  |  |                |                                  |  |                |
| 44.0   | 41.8                             | 70.3                                   | 12.5           | 46.2                             | 73.0                                   | 13.8           | 52.6                             | 75.9                                   | 14.9           |                                  |  |                |                                  |  |                |
| 46.0   | 38.4                             | 67.9                                   | 12.0           | 43.1                             | 70.9                                   | 13.4           | 49.8                             | 74.3                                   | 14.7           |                                  |  |                |                                  |  |                |
| 47.4   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 75.2                                   | 14.1           |                                  |  |                |
| 48.0   | 34.8                             | 65.1                                   | 11.5           | 39.9                             | 68.6                                   | 13.0           | 46.9                             | 72.4                                   | 14.1           | 54.3                             | 74.8                                   | 14.7           |                                  |  |                |
| 50.0   | 30.8                             | 61.9                                   | 10.8           | 36.3                             | 66.0                                   | 12.6           | 43.8                             | 70.4                                   | 13.6           | 51.6                             | 73.3                                   | 14.5           |                                  |  |                |
| 55.0   | 17.2                             | 50.4                                   | 9.1            | 25.8                             | 57.5                                   | 10.7           | 35.3                             | 64.2                                   | 12.6           | 44.3                             | 68.6                                   | 13.8           |                                  |  |                |
| 58.0   |                                  |  |                | 16.6                             | 49.5                                   | 9.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 60.0   |                                  |  |                |                                  |  |                | 24.4                             | 55.3                                   | 11.0           | 36.5                             | 63.0                                   | 12.5           |                                  |  |                |
| 63.0   |                                  |  |                |                                  |  |                | 15.8                             | 47.8                                   | 9.7            |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                | 25.1                             | 53.9                                   | 11.3           |                                  |  |                |
| 68.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.7                             | 45.6                                   | 10.5           |                                  |  |                |
| 69.4   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 55.1                                   | 10.9           |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 34.2                             | 54.5                                   | 11.2           |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 22.8                             | 45.1                                   | 10.3           |
| 77.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.2                             | 39.3                                   | 9.9            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 56.5 m Plumín<br>25.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 78.0                             | 90.2                                   | 18.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 75.9                             | 89.7                                   | 18.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 73.8                             | 89.2                                   | 17.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 71.7                             | 88.5                                   | 16.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 23.6   |                                  |  |                | 73.0                             | 88.6                                   | 16.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 69.5                             | 87.8                                   | 15.8           | 72.6                             | 88.5                                   | 16.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 67.4                             | 87.0                                   | 15.3           | 70.5                             | 87.8                                   | 15.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 65.1                             | 86.1                                   | 14.9           | 68.3                             | 87.0                                   | 15.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 62.9                             | 85.1                                   | 14.6           | 66.1                             | 86.2                                   | 15.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 60.5                             | 84.0                                   | 14.3           | 63.8                             | 85.2                                   | 14.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 58.2                             | 82.8                                   | 14.0           | 61.5                             | 84.2                                   | 14.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 35.4   |                                  |  |                |                                  |  |                | 65.0                             | 84.7                                   | 14.8           |                                  |  |                |                                  |  |                |
| 36.0   | 55.7                             | 81.4                                   | 13.8           | 59.2                             | 83.0                                   | 14.2           | 64.3                             | 84.4                                   | 14.8           |                                  |  |                |                                  |  |                |
| 38.0   | 53.2                             | 80.0                                   | 13.5           | 56.8                             | 81.7                                   | 13.9           | 62.1                             | 83.4                                   | 14.6           |                                  |  |                |                                  |  |                |
| 40.0   | 50.6                             | 78.4                                   | 13.4           | 54.3                             | 80.3                                   | 13.7           | 59.7                             | 82.3                                   | 14.3           |                                  |  |                |                                  |  |                |
| 42.0   | 47.9                             | 76.6                                   | 12.8           | 51.7                             | 78.8                                   | 13.5           | 57.3                             | 81.0                                   | 14.1           |                                  |  |                |                                  |  |                |
| 44.0   | 45.1                             | 74.7                                   | 12.2           | 49.1                             | 77.1                                   | 13.2           | 54.9                             | 79.7                                   | 13.8           |                                  |  |                |                                  |  |                |
| 46.0   | 42.1                             | 72.6                                   | 11.7           | 46.3                             | 75.2                                   | 12.8           | 52.3                             | 78.1                                   | 13.6           |                                  |  |                |                                  |  |                |
| 48.0   | 39.0                             | 70.2                                   | 11.2           | 43.4                             | 73.2                                   | 12.4           | 49.7                             | 76.5                                   | 13.5           |                                  |  |                |                                  |  |                |
| 49.1   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 77.6                                   | 12.9           |                                  |  |                |
| 50.0   | 35.6                             | 67.5                                   | 10.7           | 40.3                             | 70.9                                   | 12.1           | 47.0                             | 74.7                                   | 13.0           | 54.0                             | 77.0                                   | 13.4           |                                  |  |                |
| 55.0   | 25.4                             | 58.8                                   | 9.3            | 31.6                             | 63.9                                   | 10.9           | 39.5                             | 69.3                                   | 12.0           | 47.4                             | 72.9                                   | 13.1           |                                  |  |                |
| 58.0   | 16.8                             | 50.8                                   | 8.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 60.0   |                                  |  |                | 19.6                             | 53.2                                   | 9.1            | 30.5                             | 62.0                                   | 10.9           | 40.0                             | 67.5                                   | 12.1           |                                  |  |                |
| 61.0   |                                  |  |                | 16.2                             | 50.0                                   | 8.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                |                                  |  |                | 17.8                             | 50.5                                   | 9.5            | 31.1                             | 60.4                                   | 11.1           |                                  |  |                |
| 66.0   |                                  |  |                |                                  |  |                | 15.3                             | 48.2                                   | 8.8            |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                | 18.8                             | 49.3                                   | 9.9            |                                  |  |                |
| 71.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.2                             | 46.0                                   | 9.7            |                                  |  |                |
| 71.8   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 56.9                                   | 10.2           |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 29.3                             | 52.1                                   | 10.0           |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.7                             | 39.7                                   | 9.2            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 59.5 m Plumín<br>28.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.7   | 78.0                             | 93.1                                   | 16.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 76.7                             | 92.8                                   | 16.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 74.7                             | 92.3                                   | 15.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 72.7                             | 91.7                                   | 14.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 70.6                             | 91.0                                   | 13.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.5   |                                  |  |                | 73.0                             | 91.5                                   | 14.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 68.5                             | 90.2                                   | 13.4           | 71.5                             | 91.0                                   | 13.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 66.4                             | 89.4                                   | 13.0           | 69.4                             | 90.3                                   | 13.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 64.3                             | 88.4                                   | 12.7           | 67.3                             | 89.4                                   | 13.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 62.1                             | 87.4                                   | 12.5           | 65.2                             | 88.5                                   | 12.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 59.9                             | 86.2                                   | 12.2           | 63.0                             | 87.5                                   | 12.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 57.6                             | 85.0                                   | 12.0           | 60.8                             | 86.4                                   | 12.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.6   |                                  |  |                |                                  |  |                | 65.0                             | 87.5                                   | 12.8           |                                  |  |                |                                  |  |                |
| 38.0   | 55.2                             | 83.6                                   | 11.8           | 58.5                             | 85.2                                   | 12.1           | 63.5                             | 86.8                                   | 12.7           |                                  |  |                |                                  |  |                |
| 40.0   | 52.8                             | 82.1                                   | 11.6           | 56.2                             | 83.9                                   | 11.9           | 61.3                             | 85.7                                   | 12.4           |                                  |  |                |                                  |  |                |
| 42.0   | 50.3                             | 80.5                                   | 11.4           | 53.8                             | 82.5                                   | 11.7           | 59.1                             | 84.5                                   | 12.2           |                                  |  |                |                                  |  |                |
| 44.0   | 47.7                             | 78.7                                   | 11.0           | 51.4                             | 80.9                                   | 11.6           | 56.8                             | 83.2                                   | 12.0           |                                  |  |                |                                  |  |                |
| 46.0   | 45.0                             | 76.8                                   | 10.6           | 48.8                             | 79.2                                   | 11.3           | 54.4                             | 81.8                                   | 11.8           |                                  |  |                |                                  |  |                |
| 48.0   | 42.2                             | 74.6                                   | 10.3           | 46.2                             | 77.3                                   | 11.1           | 52.0                             | 80.3                                   | 11.6           |                                  |  |                |                                  |  |                |
| 50.0   | 39.2                             | 72.2                                   | 9.9            | 43.4                             | 75.2                                   | 10.8           | 49.4                             | 78.6                                   | 11.5           |                                  |  |                |                                  |  |                |
| 50.8   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 80.1                                   | 11.5           |                                  |  |                |
| 55.0   | 30.6                             | 64.8                                   | 9.0            | 35.7                             | 69.0                                   | 10.3           | 42.6                             | 73.6                                   | 10.9           | 49.8                             | 76.8                                   | 11.3           |                                  |  |                |
| 60.0   | 18.6                             | 53.6                                   | 7.7            | 26.1                             | 60.4                                   | 8.9            | 34.8                             | 67.2                                   | 10.4           | 43.0                             | 71.9                                   | 10.9           |                                  |  |                |
| 61.0   | 15.2                             | 50.1                                   | 7.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 64.0   |                                  |  |                | 16.9                             | 51.5                                   | 7.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                |                                  |  |                | 24.8                             | 58.2                                   | 9.2            | 35.3                             | 65.6                                   | 10.4           |                                  |  |                |
| 68.0   |                                  |  |                |                                  |  |                | 16.3                             | 49.9                                   | 8.4            |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                | 25.5                             | 56.8                                   | 9.5            |                                  |  |                |
| 74.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.0                             | 47.6                                   | 8.5            |                                  |  |                |
| 74.3   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 58.6                                   | 9.5            |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 33.7                             | 57.5                                   | 9.5            |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 23.4                             | 48.0                                   | 8.7            |
| 83.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.5                             | 41.2                                   | 8.0            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 62.5 m Plumín<br>31.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 17.3   | 78.0                             | 96.1                                   | 14.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 77.4                             | 95.9                                   | 14.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 75.5                             | 95.4                                   | 13.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 73.5                             | 94.8                                   | 13.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 71.6                             | 94.2                                   | 12.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 25.4   |                                  |  |                | 73.0                             | 94.4                                   | 12.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 69.6                             | 93.5                                   | 12.3           | 72.4                             | 94.2                                   | 12.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 67.6                             | 92.7                                   | 12.0           | 70.5                             | 93.5                                   | 12.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 65.6                             | 91.8                                   | 11.7           | 68.5                             | 92.7                                   | 12.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 63.6                             | 90.8                                   | 11.4           | 66.5                             | 91.8                                   | 11.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 61.5                             | 89.7                                   | 11.3           | 64.4                             | 90.9                                   | 11.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 59.3                             | 88.5                                   | 11.0           | 62.4                             | 89.9                                   | 11.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 37.9   |                                  |  |                |                                  |  |                | 65.0                             | 90.2                                   | 11.6           |                                  |  |                |                                  |  |                |
| 38.0   | 57.2                             | 87.3                                   | 10.8           | 60.2                             | 88.7                                   | 11.1           | 64.9                             | 90.1                                   | 11.6           |                                  |  |                |                                  |  |                |
| 40.0   | 54.9                             | 85.9                                   | 10.6           | 58.1                             | 87.5                                   | 10.9           | 62.8                             | 89.1                                   | 11.4           |                                  |  |                |                                  |  |                |
| 42.0   | 52.6                             | 84.4                                   | 10.4           | 55.9                             | 86.2                                   | 10.7           | 60.7                             | 88.0                                   | 11.2           |                                  |  |                |                                  |  |                |
| 44.0   | 50.2                             | 82.7                                   | 10.3           | 53.6                             | 84.7                                   | 10.5           | 58.6                             | 86.8                                   | 11.0           |                                  |  |                |                                  |  |                |
| 46.0   | 47.8                             | 81.0                                   | 10.0           | 51.2                             | 83.1                                   | 10.4           | 56.4                             | 85.5                                   | 10.8           |                                  |  |                |                                  |  |                |
| 48.0   | 45.2                             | 79.0                                   | 9.7            | 48.8                             | 81.4                                   | 10.2           | 54.1                             | 84.1                                   | 10.6           |                                  |  |                |                                  |  |                |
| 50.0   | 42.5                             | 76.9                                   | 9.4            | 46.3                             | 79.5                                   | 10.0           | 51.8                             | 82.5                                   | 10.5           |                                  |  |                |                                  |  |                |
| 52.5   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 82.5                                   | 10.4           |                                  |  |                |
| 55.0   | 35.0                             | 70.5                                   | 8.9            | 39.4                             | 74.0                                   | 9.7            | 45.6                             | 78.0                                   | 10.2           | 52.1                             | 80.7                                   | 10.3           |                                  |  |                |
| 60.0   | 25.8                             | 61.7                                   | 7.8            | 31.3                             | 66.8                                   | 8.9            | 38.6                             | 72.3                                   | 9.9            | 46.0                             | 76.2                                   | 10.0           |                                  |  |                |
| 64.0   | 17.0                             | 52.8                                   | 6.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                | 20.6                             | 56.2                                   | 7.7            | 30.3                             | 64.9                                   | 9.1            | 39.1                             | 70.6                                   | 9.8            |                                  |  |                |
| 67.0   |                                  |  |                | 16.5                             | 51.9                                   | 6.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                |                                  |  |                | 19.0                             | 53.6                                   | 8.0            | 30.9                             | 63.3                                   | 9.3            |                                  |  |                |
| 71.0   |                                  |  |                |                                  |  |                | 15.9                             | 50.3                                   | 7.8            |                                  |  |                |                                  |  |                |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                | 19.9                             | 52.4                                   | 8.4            |                                  |  |                |
| 76.7   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 60.3                                   | 8.9            |
| 77.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.6                             | 48.0                                   | 7.7            |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 29.3                             | 55.0                                   | 8.5            |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.3                             | 43.0                                   | 7.9            |
| 86.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.1                             | 41.7                                   | 7.3            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 65.5 m Plumín<br>34.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 78.0                             | 99.0                                   | 13.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 76.1                             | 98.5                                   | 12.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 74.3                             | 98.0                                   | 12.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 72.5                             | 97.4                                   | 11.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 70.6                             | 96.7                                   | 11.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.3   |                                  |  |                | 73.0                             | 97.2                                   | 11.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 68.7                             | 95.9                                   | 11.1           | 71.4                             | 96.7                                   | 11.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 66.8                             | 95.1                                   | 10.8           | 69.5                             | 95.9                                   | 11.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 64.9                             | 94.1                                   | 10.6           | 67.6                             | 95.1                                   | 11.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 62.9                             | 93.1                                   | 10.4           | 65.7                             | 94.2                                   | 10.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 60.9                             | 92.0                                   | 10.2           | 63.7                             | 93.3                                   | 10.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 58.9                             | 90.8                                   | 9.9            | 61.7                             | 92.2                                   | 10.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 39.2   |                                  |  |                |                                  |  |                | 65.0                             | 92.9                                   | 10.6           |                                  |  |                |                                  |  |                |
| 40.0   | 56.8                             | 89.5                                   | 9.7            | 59.7                             | 91.0                                   | 10.0           | 64.2                             | 92.5                                   | 10.6           |                                  |  |                |                                  |  |                |
| 42.0   | 54.6                             | 88.1                                   | 9.5            | 57.6                             | 89.8                                   | 9.8            | 62.2                             | 91.4                                   | 10.4           |                                  |  |                |                                  |  |                |
| 44.0   | 52.4                             | 86.6                                   | 9.3            | 55.5                             | 88.4                                   | 9.6            | 60.2                             | 90.3                                   | 10.2           |                                  |  |                |                                  |  |                |
| 46.0   | 50.1                             | 85.0                                   | 9.1            | 53.3                             | 87.0                                   | 9.4            | 58.1                             | 89.1                                   | 10.0           |                                  |  |                |                                  |  |                |
| 48.0   | 47.8                             | 83.2                                   | 8.9            | 51.1                             | 85.4                                   | 9.3            | 56.0                             | 87.8                                   | 9.8            |                                  |  |                |                                  |  |                |
| 50.0   | 45.3                             | 81.3                                   | 8.6            | 48.8                             | 83.7                                   | 9.1            | 53.8                             | 86.3                                   | 9.6            |                                  |  |                |                                  |  |                |
| 54.2   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 85.0                                   | 9.4            |                                  |  |                |
| 55.0   | 38.7                             | 75.6                                   | 8.1            | 42.6                             | 78.7                                   | 8.6            | 48.1                             | 82.2                                   | 9.2            | 54.2                             | 84.4                                   | 9.4            |                                  |  |                |
| 60.0   | 30.9                             | 68.2                                   | 7.5            | 35.5                             | 72.3                                   | 8.3            | 41.8                             | 77.0                                   | 8.8            | 48.5                             | 80.3                                   | 9.1            |                                  |  |                |
| 65.0   | 20.5                             | 57.5                                   | 6.6            | 26.8                             | 63.8                                   | 7.4            | 34.6                             | 70.5                                   | 8.4            | 42.2                             | 75.3                                   | 8.8            |                                  |  |                |
| 67.0   | 16.6                             | 53.2                                   | 5.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                | 16.1                             | 52.4                                   | 6.1            | 25.7                             | 61.7                                   | 7.7            | 35.1                             | 68.9                                   | 8.5            |                                  |  |                |
| 74.0   |                                  |  |                |                                  |  |                | 15.5                             | 50.7                                   | 7.1            |                                  |  |                |                                  |  |                |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                | 26.4                             | 60.3                                   | 7.9            |                                  |  |                |
| 79.2   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.3                             | 48.4                                   | 6.7            | 35.0                             | 62.0                                   | 8.0            |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 33.7                             | 60.8                                   | 8.0            |
| 89.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 24.5                             | 51.6                                   | 7.6            |
|  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.7                             | 42.1                                   | 6.7            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 68.5 m Plumín<br>37.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.6   | 78.0                             | 101.9                                  | 12.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 76.8                             | 101.6                                  | 12.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 75.0                             | 101.1                                  | 11.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 73.3                             | 100.5                                  | 11.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 71.5                             | 99.8                                   | 10.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 27.1   |                                  |  |                | 73.0                             | 100.1                                  | 10.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 69.7                             | 99.1                                   | 10.4           | 72.2                             | 99.8                                   | 10.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 67.9                             | 98.3                                   | 10.1           | 70.5                             | 99.1                                   | 10.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 66.1                             | 97.4                                   | 9.9            | 68.7                             | 98.4                                   | 10.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 64.2                             | 96.5                                   | 9.6            | 66.8                             | 97.5                                   | 10.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 62.3                             | 95.5                                   | 9.5            | 65.0                             | 96.6                                   | 9.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 60.4                             | 94.3                                   | 9.2            | 63.1                             | 95.6                                   | 9.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 58.4                             | 93.1                                   | 9.0            | 61.2                             | 94.5                                   | 9.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.4   |                                  |  |                |                                  |  |                | 65.0                             | 95.6                                   | 9.7            |                                  |  |                |                                  |  |                |
| 42.0   | 56.4                             | 91.8                                   | 8.7            | 59.2                             | 93.3                                   | 9.2            | 63.5                             | 94.8                                   | 9.7            |                                  |  |                |                                  |  |                |
| 44.0   | 54.3                             | 90.4                                   | 8.5            | 57.2                             | 92.1                                   | 8.9            | 61.6                             | 93.8                                   | 9.5            |                                  |  |                |                                  |  |                |
| 46.0   | 52.2                             | 88.9                                   | 8.4            | 55.2                             | 90.7                                   | 8.7            | 59.7                             | 92.6                                   | 9.3            |                                  |  |                |                                  |  |                |
| 48.0   | 50.0                             | 87.2                                   | 8.2            | 53.1                             | 89.2                                   | 8.6            | 57.7                             | 91.4                                   | 9.1            |                                  |  |                |                                  |  |                |
| 50.0   | 47.8                             | 85.4                                   | 8.0            | 51.0                             | 87.6                                   | 8.4            | 55.7                             | 90.0                                   | 8.9            |                                  |  |                |                                  |  |                |
| 55.0   | 41.8                             | 80.3                                   | 7.5            | 45.3                             | 83.0                                   | 7.9            | 50.4                             | 86.2                                   | 8.5            |                                  |  |                |                                  |  |                |
| 56.0   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 87.5                                   | 8.6            |                                  |  |                |
| 60.0   | 34.9                             | 73.8                                   | 7.1            | 38.9                             | 77.4                                   | 7.5            | 44.6                             | 81.5                                   | 8.0            | 50.7                             | 84.3                                   | 8.4            |                                  |  |                |
| 65.0   | 26.5                             | 65.2                                   | 6.4            | 31.5                             | 70.1                                   | 7.0            | 38.2                             | 75.7                                   | 7.6            | 45.0                             | 79.7                                   | 8.1            |                                  |  |                |
| 70.0   | 16.2                             | 53.7                                   | 5.3            | 22.0                             | 59.9                                   | 6.4            | 30.6                             | 68.2                                   | 7.2            | 38.6                             | 74.0                                   | 7.7            |                                  |  |                |
| 73.0   |                                  |  |                | 15.7                             | 52.8                                   | 5.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 75.0   |                                  |  |                |                                  |  |                | 20.7                             | 57.5                                   | 6.7            | 31.1                             | 66.6                                   | 7.4            |                                  |  |                |
| 77.0   |                                  |  |                |                                  |  |                | 15.1                             | 51.1                                   | 6.5            |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                | 21.5                             | 56.2                                   | 7.0            |                                  |  |                |
| 81.7   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 63.7                                   | 7.2            |
| 82.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.1                             | 50.1                                   | 6.8            |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 29.7                             | 58.3                                   | 7.2            |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 19.3                             | 47.0                                   | 6.9            |
| 92.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.3                             | 42.5                                   | 6.2            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 71.5 m Plumín<br>40.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 19.2   | 78.0                             | 104.9                                  | 11.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 77.3                             | 104.7                                  | 11.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 75.7                             | 104.2                                  | 10.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 74.0                             | 103.6                                  | 10.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 72.3                             | 103.0                                  | 9.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 70.6                             | 102.3                                  | 9.5            | 73.0                             | 103.0                                  | 9.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 68.9                             | 101.6                                  | 9.3            | 71.3                             | 102.3                                  | 9.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 67.1                             | 100.7                                  | 9.0            | 69.6                             | 101.6                                  | 9.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 65.4                             | 99.8                                   | 8.8            | 67.9                             | 100.8                                  | 9.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 63.6                             | 98.8                                   | 8.6            | 66.1                             | 99.9                                   | 8.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 61.7                             | 97.8                                   | 8.5            | 64.3                             | 99.0                                   | 8.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 59.9                             | 96.6                                   | 8.3            | 62.5                             | 97.9                                   | 8.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 41.7   |                                  |  |                |                                  |  |                | 65.0                             | 98.3                                   | 8.7            |                                  |  |                |                                  |  |                |
| 42.0   | 58.0                             | 95.4                                   | 8.1            | 60.7                             | 96.8                                   | 8.4            | 64.7                             | 98.2                                   | 8.7            |                                  |  |                |                                  |  |                |
| 44.0   | 56.1                             | 94.1                                   | 7.9            | 58.8                             | 95.6                                   | 8.2            | 62.9                             | 97.2                                   | 8.6            |                                  |  |                |                                  |  |                |
| 46.0   | 54.1                             | 92.6                                   | 7.7            | 56.9                             | 94.3                                   | 8.0            | 61.1                             | 96.1                                   | 8.5            |                                  |  |                |                                  |  |                |
| 48.0   | 52.1                             | 91.1                                   | 7.6            | 54.9                             | 93.0                                   | 7.9            | 59.2                             | 94.9                                   | 8.3            |                                  |  |                |                                  |  |                |
| 50.0   | 50.0                             | 89.5                                   | 7.5            | 52.9                             | 91.5                                   | 7.7            | 57.3                             | 93.6                                   | 8.1            |                                  |  |                |                                  |  |                |
| 55.0   | 44.4                             | 84.7                                   | 7.1            | 47.6                             | 87.2                                   | 7.4            | 52.4                             | 90.0                                   | 7.8            |                                  |  |                |                                  |  |                |
| 57.7   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 89.9                                   | 7.7            |                                  |  |                |
| 60.0   | 38.3                             | 78.9                                   | 6.7            | 41.9                             | 82.1                                   | 7.1            | 47.0                             | 85.7                                   | 7.5            | 52.7                             | 88.2                                   | 7.7            |                                  |  |                |
| 65.0   | 31.1                             | 71.5                                   | 6.3            | 35.3                             | 75.7                                   | 6.8            | 41.2                             | 80.4                                   | 7.2            | 47.4                             | 83.9                                   | 7.4            |                                  |  |                |
| 70.0   | 21.9                             | 61.2                                   | 5.6            | 27.5                             | 67.3                                   | 6.2            | 34.5                             | 73.9                                   | 6.9            | 41.6                             | 78.7                                   | 7.1            |                                  |  |                |
| 73.0   | 15.9                             | 54.1                                   | 4.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 75.0   |                                  |  |                | 16.5                             | 54.5                                   | 5.6            | 26.5                             | 65.2                                   | 6.5            | 35.0                             | 72.2                                   | 6.9            |                                  |  |                |
| 76.0   |                                  |  |                | 15.4                             | 53.2                                   | 5.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                | 16.7                             | 53.8                                   | 5.5            | 27.0                             | 63.7                                   | 6.6            |                                  |  |                |
| 84.1   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.8                             | 50.5                                   | 6.3            | 35.0                             | 65.5                                   | 6.5            |
| 94.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 33.7                             | 64.1                                   | 6.5            |
|  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 25.4                             | 55.1                                   | 6.5            |
|  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.1                             | 44.2                                   | 6.1            |



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 74.5 m Plumín<br>31.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 19.8   | 78.0                             | 107.8                                  | 10.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 77.9                             | 107.8                                  | 10.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 76.3                             | 107.3                                  | 9.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 74.7                             | 106.8                                  | 9.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 73.1                             | 106.2                                  | 9.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 71.4                             | 105.5                                  | 8.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.9   |                                  |  |                | 73.0                             | 105.8                                  | 8.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 69.8                             | 104.8                                  | 8.5            | 72.1                             | 105.5                                  | 8.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 68.1                             | 104.0                                  | 8.3            | 70.5                             | 104.8                                  | 8.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 66.4                             | 103.1                                  | 8.1            | 68.8                             | 104.0                                  | 8.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 64.7                             | 102.2                                  | 7.9            | 67.1                             | 103.2                                  | 8.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 63.0                             | 101.2                                  | 7.8            | 65.4                             | 102.3                                  | 8.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 61.2                             | 100.1                                  | 7.6            | 63.7                             | 101.3                                  | 7.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 59.4                             | 98.9                                   | 7.5            | 62.0                             | 100.3                                  | 7.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 43.0   |                                  |  |                |                                  |  |                | 65.0                             | 101.1                                  | 7.9            |                                  |  |                |                                  |  |                |
| 44.0   | 57.6                             | 97.7                                   | 7.3            | 60.2                             | 99.1                                   | 7.6            | 64.1                             | 100.5                                  | 7.9            |                                  |  |                |                                  |  |                |
| 46.0   | 55.8                             | 96.3                                   | 7.2            | 58.4                             | 97.9                                   | 7.4            | 62.4                             | 99.5                                   | 7.8            |                                  |  |                |                                  |  |                |
| 48.0   | 53.9                             | 94.9                                   | 7.1            | 56.5                             | 96.6                                   | 7.3            | 60.6                             | 98.4                                   | 7.6            |                                  |  |                |                                  |  |                |
| 50.0   | 51.9                             | 93.4                                   | 7.0            | 54.7                             | 95.2                                   | 7.2            | 58.8                             | 97.2                                   | 7.5            |                                  |  |                |                                  |  |                |
| 55.0   | 46.8                             | 89.0                                   | 6.7            | 49.7                             | 91.2                                   | 6.9            | 54.1                             | 93.8                                   | 7.2            |                                  |  |                |                                  |  |                |
| 59.4   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 92.4                                   | 7.0            |                                  |  |                |
| 60.0   | 41.1                             | 83.7                                   | 6.4            | 44.4                             | 86.5                                   | 6.7            | 49.2                             | 89.8                                   | 6.9            | 54.4                             | 91.9                                   | 7.0            |                                  |  |                |
| 65.0   | 34.8                             | 77.1                                   | 6.2            | 38.5                             | 80.7                                   | 6.5            | 43.8                             | 84.9                                   | 6.7            | 49.5                             | 87.9                                   | 6.8            |                                  |  |                |
| 70.0   | 27.2                             | 68.6                                   | 5.6            | 31.7                             | 73.4                                   | 6.1            | 37.8                             | 79.0                                   | 6.6            | 44.1                             | 83.2                                   | 6.6            |                                  |  |                |
| 75.0   | 16.6                             | 55.8                                   | 4.9            | 23.2                             | 63.6                                   | 5.5            | 30.9                             | 71.5                                   | 6.3            | 38.2                             | 77.3                                   | 6.5            |                                  |  |                |
| 76.0   | 15.5                             | 54.5                                   | 4.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 79.0   |                                  |  |                | 15.0                             | 53.6                                   | 4.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                | 22.1                             | 61.2                                   | 5.8            | 31.3                             | 69.9                                   | 6.3            |                                  |  |                |
| 83.0   |                                  |  |                |                                  |  |                | 16.4                             | 54.2                                   | 5.2            |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                | 22.7                             | 59.9                                   | 6.0            |                                  |  |                |
| 86.6   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 67.2                                   | 6.0            |
| 88.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.4                             | 50.9                                   | 5.8            |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 30.0                             | 61.7                                   | 6.0            |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 20.8                             | 50.9                                   | 5.8            |
| 97.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.8                             | 44.6                                   | 5.6            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 77.5 m Plumín<br>34.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.4   | 78.0                             | 110.8                                  | 9.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 76.8                             | 110.4                                  | 8.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 75.3                             | 109.9                                  | 8.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 73.7                             | 109.3                                  | 8.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 72.2                             | 108.7                                  | 7.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 29.8   |                                  |  |                | 73.0                             | 108.7                                  | 7.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 70.6                             | 108.0                                  | 7.7            | 72.8                             | 108.6                                  | 7.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 69.0                             | 107.2                                  | 7.5            | 71.3                             | 108.0                                  | 7.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 67.4                             | 106.4                                  | 7.3            | 69.7                             | 107.2                                  | 7.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 65.8                             | 105.5                                  | 7.1            | 68.1                             | 106.4                                  | 7.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 64.1                             | 104.6                                  | 7.0            | 66.5                             | 105.6                                  | 7.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 62.5                             | 103.5                                  | 6.9            | 64.8                             | 104.7                                  | 7.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 60.8                             | 102.4                                  | 6.7            | 63.2                             | 103.7                                  | 6.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 59.0                             | 101.2                                  | 6.6            | 61.5                             | 102.6                                  | 6.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.2   |                                  |  |                |                                  |  |                | 65.0                             | 103.8                                  | 7.0            |                                  |  |                |                                  |  |                |
| 46.0   | 57.3                             | 100.0                                  | 6.4            | 59.8                             | 101.4                                  | 6.6            | 63.5                             | 102.9                                  | 7.0            |                                  |  |                |                                  |  |                |
| 48.0   | 55.5                             | 98.6                                   | 6.3            | 58.0                             | 100.2                                  | 6.5            | 61.9                             | 101.8                                  | 6.8            |                                  |  |                |                                  |  |                |
| 50.0   | 53.6                             | 97.1                                   | 6.2            | 56.2                             | 98.9                                   | 6.4            | 60.2                             | 100.7                                  | 6.7            |                                  |  |                |                                  |  |                |
| 55.0   | 48.8                             | 93.0                                   | 6.0            | 51.6                             | 95.2                                   | 6.1            | 55.7                             | 97.5                                   | 6.4            |                                  |  |                |                                  |  |                |
| 60.0   | 43.7                             | 88.2                                   | 5.7            | 46.7                             | 90.7                                   | 5.9            | 51.1                             | 93.7                                   | 6.1            |                                  |  |                |                                  |  |                |
| 61.1   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 94.8                                   | 6.1            |                                  |  |                |
| 65.0   | 37.9                             | 82.2                                   | 5.5            | 41.3                             | 85.5                                   | 5.7            | 46.1                             | 89.2                                   | 5.9            | 51.4                             | 91.9                                   | 6.0            |                                  |  |                |
| 70.0   | 31.3                             | 74.8                                   | 5.2            | 35.2                             | 79.0                                   | 5.5            | 40.6                             | 83.8                                   | 5.8            | 46.4                             | 87.4                                   | 5.8            |                                  |  |                |
| 75.0   | 23.0                             | 64.9                                   | 4.7            | 28.0                             | 70.7                                   | 5.1            | 34.5                             | 77.2                                   | 5.6            | 41.0                             | 82.1                                   | 5.7            |                                  |  |                |
| 79.0   | 15.2                             | 54.9                                   | 3.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                | 18.4                             | 58.7                                   | 4.7            | 27.1                             | 68.6                                   | 5.4            | 34.9                             | 75.5                                   | 5.5            |                                  |  |                |
| 81.0   |                                  |  |                | 15.8                             | 55.3                                   | 4.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                | 17.0                             | 55.9                                   | 5.1            | 27.6                             | 67.1                                   | 5.4            |                                  |  |                |
| 86.0   |                                  |  |                |                                  |  |                | 16.0                             | 54.6                                   | 4.7            |                                  |  |                |                                  |  |                |
| 89.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                | 17.8                             | 54.8                                   | 5.3            | 35.0                             | 68.9                                   | 5.2            |
| 91.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.1                             | 51.3                                   | 5.3            | 33.7                             | 67.4                                   | 5.2            |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 26.1                             | 58.6                                   | 5.2            |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.5                             | 45.0                                   | 5.0            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 80.5 m Plumín<br>37.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 21.1   | 78.0                             | 113.7                                  | 8.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 77.3                             | 113.5                                  | 8.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 75.8                             | 113.0                                  | 7.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 74.4                             | 112.4                                  | 7.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 72.9                             | 111.8                                  | 7.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 71.4                             | 111.2                                  | 7.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.7   |                                  |  |                | 73.0                             | 111.6                                  | 7.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 69.8                             | 110.4                                  | 6.9            | 72.0                             | 111.1                                  | 7.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 68.3                             | 109.6                                  | 6.7            | 70.5                             | 110.4                                  | 7.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 66.7                             | 108.8                                  | 6.5            | 68.9                             | 109.7                                  | 6.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 65.2                             | 107.9                                  | 6.3            | 67.4                             | 108.9                                  | 6.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 63.6                             | 106.9                                  | 6.2            | 65.8                             | 108.0                                  | 6.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 62.0                             | 105.9                                  | 6.1            | 64.2                             | 107.0                                  | 6.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 60.3                             | 104.7                                  | 5.9            | 62.6                             | 106.0                                  | 6.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 45.5   |                                  |  |                |                                  |  |                | 65.0                             | 106.5                                  | 6.3            |                                  |  |                |                                  |  |                |
| 46.0   | 58.7                             | 103.5                                  | 5.8            | 61.0                             | 104.9                                  | 6.0            | 64.6                             | 106.3                                  | 6.3            |                                  |  |                |                                  |  |                |
| 48.0   | 57.0                             | 102.2                                  | 5.7            | 59.4                             | 103.7                                  | 5.9            | 63.0                             | 105.2                                  | 6.2            |                                  |  |                |                                  |  |                |
| 50.0   | 55.2                             | 100.9                                  | 5.6            | 57.7                             | 102.5                                  | 5.8            | 61.4                             | 104.2                                  | 6.1            |                                  |  |                |                                  |  |                |
| 55.0   | 50.7                             | 97.0                                   | 5.4            | 53.3                             | 99.0                                   | 5.5            | 57.2                             | 101.1                                  | 5.8            |                                  |  |                |                                  |  |                |
| 60.0   | 45.9                             | 92.5                                   | 5.1            | 48.7                             | 94.8                                   | 5.3            | 52.8                             | 97.6                                   | 5.5            |                                  |  |                |                                  |  |                |
| 62.8   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 97.3                                   | 5.4            |                                  |  |                |
| 65.0   | 40.6                             | 87.0                                   | 5.0            | 43.7                             | 89.9                                   | 5.1            | 48.1                             | 93.4                                   | 5.3            | 53.1                             | 95.7                                   | 5.4            |                                  |  |                |
| 70.0   | 34.7                             | 80.4                                   | 4.8            | 38.2                             | 84.1                                   | 4.9            | 43.1                             | 88.4                                   | 5.1            | 48.4                             | 91.5                                   | 5.2            |                                  |  |                |
| 75.0   | 27.7                             | 72.0                                   | 4.5            | 31.9                             | 76.8                                   | 4.7            | 37.5                             | 82.3                                   | 5.0            | 43.4                             | 86.6                                   | 5.0            |                                  |  |                |
| 80.0   | 18.4                             | 60.0                                   | 4.1            | 24.1                             | 67.1                                   | 4.5            | 31.1                             | 74.9                                   | 4.8            | 37.9                             | 80.6                                   | 4.9            |                                  |  |                |
| 81.0   | 15.9                             | 56.6                                   | 4.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 84.0   |                                  |  |                | 15.5                             | 55.7                                   | 4.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                | 23.1                             | 64.9                                   | 4.7            | 31.5                             | 73.3                                   | 4.8            |                                  |  |                |
| 89.0   |                                  |  |                |                                  |  |                | 15.7                             | 55.0                                   | 4.3            |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                | 23.7                             | 63.5                                   | 4.8            |                                  |  |                |
| 91.5   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 70.6                                   | 4.5            |
| 94.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.5                             | 54.0                                   | 4.3            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 30.3                             | 65.0                                   | 4.5            |
| 103.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 22.0                             | 54.6                                   | 4.5            |
|  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.2                             | 45.4                                   | 4.4            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 83.5 m Plumín<br>40.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 21.7   | 78.0                             | 116.6                                  | 7.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 77.8                             | 116.6                                  | 7.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 76.4                             | 116.1                                  | 7.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 74.9                             | 115.5                                  | 6.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 73.5                             | 115.0                                  | 6.6            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 72.1                             | 114.3                                  | 6.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 31.5   |                                  |  |                | 73.0                             | 114.4                                  | 6.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 70.6                             | 113.6                                  | 6.3            | 72.7                             | 114.3                                  | 6.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 69.1                             | 112.9                                  | 6.1            | 71.2                             | 113.6                                  | 6.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 67.6                             | 112.1                                  | 5.9            | 69.7                             | 112.9                                  | 6.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 66.1                             | 111.2                                  | 5.8            | 68.3                             | 112.1                                  | 6.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 64.6                             | 110.3                                  | 5.7            | 66.8                             | 111.3                                  | 5.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 63.1                             | 109.2                                  | 5.5            | 65.2                             | 110.4                                  | 5.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 61.5                             | 108.2                                  | 5.4            | 63.7                             | 109.4                                  | 5.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 59.9                             | 107.0                                  | 5.3            | 62.2                             | 108.3                                  | 5.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.8   |                                  |  |                |                                  |  |                | 65.0                             | 109.2                                  | 5.6            |                                  |  |                |                                  |  |                |
| 48.0   | 58.3                             | 105.8                                  | 5.2            | 60.6                             | 107.2                                  | 5.4            | 64.1                             | 108.6                                  | 5.6            |                                  |  |                |                                  |  |                |
| 50.0   | 56.6                             | 104.5                                  | 5.1            | 59.0                             | 106.0                                  | 5.2            | 62.5                             | 107.6                                  | 5.5            |                                  |  |                |                                  |  |                |
| 55.0   | 52.4                             | 100.9                                  | 4.8            | 54.8                             | 102.7                                  | 5.0            | 58.5                             | 104.7                                  | 5.2            |                                  |  |                |                                  |  |                |
| 60.0   | 47.9                             | 96.6                                   | 4.6            | 50.5                             | 98.8                                   | 4.8            | 54.4                             | 101.3                                  | 5.0            |                                  |  |                |                                  |  |                |
| 64.6   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 99.7                                   | 4.8            |                                  |  |                |
| 65.0   | 43.0                             | 91.6                                   | 4.4            | 45.8                             | 94.2                                   | 4.5            | 50.0                             | 97.4                                   | 4.8            | 54.6                             | 99.4                                   | 4.8            |                                  |  |                |
| 70.0   | 37.6                             | 85.6                                   | 4.2            | 40.7                             | 88.8                                   | 4.4            | 45.3                             | 92.7                                   | 4.6            | 50.3                             | 95.5                                   | 4.7            |                                  |  |                |
| 75.0   | 31.5                             | 78.2                                   | 4.0            | 35.1                             | 82.3                                   | 4.2            | 40.2                             | 87.2                                   | 4.4            | 45.6                             | 90.9                                   | 4.5            |                                  |  |                |
| 80.0   | 23.9                             | 68.4                                   | 3.7            | 28.4                             | 74.0                                   | 4.0            | 34.4                             | 80.5                                   | 4.3            | 40.5                             | 85.5                                   | 4.4            |                                  |  |                |
| 84.0   | 15.6                             | 57.0                                   | 3.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                | 19.9                             | 62.6                                   | 3.8            | 27.6                             | 72.0                                   | 4.1            | 34.8                             | 78.8                                   | 4.2            |                                  |  |                |
| 87.0   |                                  |  |                | 15.2                             | 56.1                                   | 3.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                | 18.7                             | 60.0                                   | 4.0            | 28.1                             | 70.5                                   | 4.2            |                                  |  |                |
| 92.0   |                                  |  |                |                                  |  |                | 15.4                             | 55.4                                   | 3.5            |                                  |  |                |                                  |  |                |
| 93.9   |                                  |  |                |                                  |  |                |                                  |  |                | 19.4                             | 58.8                                   | 4.1            | 35.0                             | 72.3                                   | 4.0            |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.2                             | 54.4                                   | 3.6            | 33.7                             | 70.8                                   | 4.0            |
| 97.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 26.8                             | 62.0                                   | 3.9            |
| 105.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.4                             | 49.4                                   | 3.9            |
| 106.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.5                             | 48.1                                   | 3.5            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 86.5 m Plumín<br>43.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.3   | 78.0                             | 119.6                                  | 6.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 76.9                             | 119.2                                  | 6.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 75.5                             | 118.7                                  | 6.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 74.1                             | 118.1                                  | 6.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 72.7                             | 117.5                                  | 5.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 71.3                             | 116.8                                  | 5.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.4   |                                  |  |                | 73.0                             | 117.3                                  | 5.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 69.9                             | 116.1                                  | 5.6            | 71.9                             | 116.8                                  | 5.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 68.5                             | 115.3                                  | 5.5            | 70.5                             | 116.1                                  | 5.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 67.0                             | 114.5                                  | 5.3            | 69.1                             | 115.3                                  | 5.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 65.6                             | 113.6                                  | 5.2            | 67.6                             | 114.5                                  | 5.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 64.1                             | 112.6                                  | 5.1            | 66.2                             | 113.7                                  | 5.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 62.6                             | 111.6                                  | 5.0            | 64.7                             | 112.7                                  | 5.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 61.1                             | 110.5                                  | 4.9            | 63.2                             | 111.7                                  | 5.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 59.5                             | 109.3                                  | 4.8            | 61.7                             | 110.7                                  | 4.9            | 65.0                             | 111.9                                  | 5.1            |                                  |  |                |                                  |  |                |
| 50.0   | 58.0                             | 108.1                                  | 4.7            | 60.2                             | 109.5                                  | 4.8            | 63.5                             | 111.0                                  | 5.1            |                                  |  |                |                                  |  |                |
| 55.0   | 53.9                             | 104.6                                  | 4.4            | 56.2                             | 106.4                                  | 4.6            | 59.8                             | 108.2                                  | 4.8            |                                  |  |                |                                  |  |                |
| 60.0   | 49.7                             | 100.6                                  | 4.2            | 52.1                             | 102.7                                  | 4.4            | 55.8                             | 105.0                                  | 4.6            |                                  |  |                |                                  |  |                |
| 65.0   | 45.1                             | 96.0                                   | 4.0            | 47.7                             | 98.4                                   | 4.1            | 51.6                             | 101.3                                  | 4.4            |                                  |  |                |                                  |  |                |
| 66.3   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 102.2                                  | 4.3            |                                  |  |                |
| 70.0   | 40.2                             | 90.4                                   | 3.8            | 43.0                             | 93.4                                   | 3.9            | 47.2                             | 96.9                                   | 4.2            | 51.9                             | 99.4                                   | 4.3            |                                  |  |                |
| 75.0   | 34.6                             | 83.8                                   | 3.6            | 37.8                             | 87.4                                   | 3.7            | 42.5                             | 91.8                                   | 4.0            | 47.5                             | 95.1                                   | 4.1            |                                  |  |                |
| 80.0   | 28.2                             | 75.4                                   | 3.4            | 32.0                             | 80.1                                   | 3.6            | 37.2                             | 85.7                                   | 3.8            | 42.8                             | 90.0                                   | 3.9            |                                  |  |                |
| 85.0   | 19.8                             | 63.9                                   | 3.2            | 24.9                             | 70.7                                   | 3.4            | 31.3                             | 78.2                                   | 3.7            | 37.6                             | 84.0                                   | 3.8            |                                  |  |                |
| 87.0   | 15.4                             | 57.4                                   | 3.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                | 16.5                             | 58.8                                   | 2.8            | 24.0                             | 68.4                                   | 3.5            | 31.7                             | 76.6                                   | 3.7            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                | 15.1                             | 55.8                                   | 2.9            | 24.5                             | 67.0                                   | 3.6            |                                  |  |                |
| 96.4   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 74.1                                   | 3.5            |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                | 15.9                             | 54.9                                   | 3.0            | 30.5                             | 68.4                                   | 3.4            |
| 105.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 23.0                             | 58.2                                   | 3.4            |
| 109.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.2                             | 48.5                                   | 3.0            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 89.5 m Plumín<br>46.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.9   | 78.0                             | 122.5                                  | 5.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 77.3                             | 122.2                                  | 5.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 76.0                             | 121.8                                  | 5.6            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 74.6                             | 121.2                                  | 5.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 73.3                             | 120.6                                  | 5.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 72.0                             | 120.0                                  | 5.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 33.3   |                                  |  |                | 73.0                             | 120.2                                  | 5.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 70.6                             | 119.3                                  | 4.9            | 72.5                             | 120.0                                  | 5.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 69.2                             | 118.5                                  | 4.8            | 71.2                             | 119.3                                  | 5.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 67.8                             | 117.7                                  | 4.7            | 69.8                             | 118.6                                  | 4.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 66.4                             | 116.9                                  | 4.5            | 68.4                             | 117.8                                  | 4.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 65.0                             | 115.9                                  | 4.4            | 67.0                             | 116.9                                  | 4.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 63.6                             | 115.0                                  | 4.3            | 65.6                             | 116.0                                  | 4.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 62.1                             | 113.9                                  | 4.2            | 64.2                             | 115.1                                  | 4.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 60.7                             | 112.8                                  | 4.1            | 62.7                             | 114.1                                  | 4.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 49.3   |                                  |  |                |                                  |  |                | 65.0                             | 114.6                                  | 4.4            |                                  |  |                |                                  |  |                |
| 50.0   | 59.2                             | 111.6                                  | 4.0            | 61.3                             | 113.0                                  | 4.2            | 64.5                             | 114.3                                  | 4.4            |                                  |  |                |                                  |  |                |
| 55.0   | 55.3                             | 108.3                                  | 3.8            | 57.5                             | 110.0                                  | 3.9            | 60.9                             | 111.7                                  | 4.1            |                                  |  |                |                                  |  |                |
| 60.0   | 51.3                             | 104.6                                  | 3.6            | 53.6                             | 106.5                                  | 3.7            | 57.1                             | 108.6                                  | 3.9            |                                  |  |                |                                  |  |                |
| 65.0   | 47.0                             | 100.2                                  | 3.4            | 49.5                             | 102.4                                  | 3.5            | 53.2                             | 105.1                                  | 3.7            |                                  |  |                |                                  |  |                |
| 68.0   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 104.7                                  | 3.7            |                                  |  |                |
| 70.0   | 42.4                             | 95.0                                   | 3.2            | 45.1                             | 97.7                                   | 3.3            | 49.0                             | 101.0                                  | 3.5            | 53.4                             | 103.2                                  | 3.6            |                                  |  |                |
| 75.0   | 37.4                             | 88.9                                   | 3.0            | 40.3                             | 92.2                                   | 3.2            | 44.6                             | 96.2                                   | 3.4            | 49.3                             | 99.1                                   | 3.5            |                                  |  |                |
| 80.0   | 31.6                             | 81.5                                   | 2.9            | 35.0                             | 85.6                                   | 3.0            | 39.7                             | 90.6                                   | 3.2            | 44.8                             | 94.4                                   | 3.3            |                                  |  |                |
| 85.0   | 24.7                             | 72.0                                   | 2.7            | 28.8                             | 77.4                                   | 2.9            | 34.3                             | 83.8                                   | 3.1            | 40.0                             | 88.8                                   | 3.2            |                                  |  |                |
| 90.0   | 15.1                             | 57.8                                   | 2.5            | 21.1                             | 66.4                                   | 2.7            | 28.1                             | 75.4                                   | 2.9            | 34.7                             | 82.2                                   | 3.1            |                                  |  |                |
| 93.0   |                                  |  |                | 16.2                             | 59.2                                   | 2.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                | 20.1                             | 64.0                                   | 2.8            | 28.5                             | 73.9                                   | 3.0            |                                  |  |                |
| 97.0   |                                  |  |                |                                  |  |                | 15.8                             | 57.6                                   | 2.7            |                                  |  |                |                                  |  |                |
| 98.9   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 75.8                                   | 2.9            |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                | 20.6                             | 62.7                                   | 2.9            | 33.7                             | 74.1                                   | 2.9            |
| 103.0  |                                  |  |                |                                  |  |                |                                  |  |                | 15.6                             | 55.3                                   | 2.4            |                                  |  |                |
| 105.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 27.3                             | 65.4                                   | 2.8            |
| 110.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 18.9                             | 53.4                                   | 2.8            |
| 112.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.9                             | 48.9                                   | 2.4            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 92.5 m Plumín<br>49.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 23.6   | 78.0                             | 125.4                                  | 5.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 77.7                             | 125.3                                  | 5.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 76.4                             | 124.9                                  | 5.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 75.2                             | 124.3                                  | 4.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 73.9                             | 123.8                                  | 4.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 72.6                             | 123.1                                  | 4.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 71.2                             | 122.5                                  | 4.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.2   |                                  |  |                | 73.0                             | 123.1                                  | 4.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 69.9                             | 121.8                                  | 4.3            | 71.8                             | 122.5                                  | 4.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 68.6                             | 121.0                                  | 4.2            | 70.5                             | 121.8                                  | 4.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 67.2                             | 120.1                                  | 4.0            | 69.2                             | 121.0                                  | 4.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 65.9                             | 119.3                                  | 3.9            | 67.8                             | 120.2                                  | 4.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 64.5                             | 118.3                                  | 3.8            | 66.5                             | 119.3                                  | 4.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 63.1                             | 117.3                                  | 3.7            | 65.1                             | 118.4                                  | 3.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 61.7                             | 116.2                                  | 3.6            | 63.7                             | 117.4                                  | 3.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0   | 60.3                             | 115.1                                  | 3.5            | 62.3                             | 116.4                                  | 3.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.6   |                                  |  |                |                                  |  |                | 65.0                             | 117.4                                  | 3.8            |                                  |  |                |                                  |  |                |
| 55.0   | 56.6                             | 112.0                                  | 3.3            | 58.7                             | 113.5                                  | 3.4            | 61.9                             | 115.1                                  | 3.6            |                                  |  |                |                                  |  |                |
| 60.0   | 52.8                             | 108.4                                  | 3.1            | 55.0                             | 110.2                                  | 3.2            | 58.3                             | 112.2                                  | 3.4            |                                  |  |                |                                  |  |                |
| 65.0   | 48.7                             | 104.2                                  | 2.9            | 51.1                             | 106.4                                  | 3.0            | 54.6                             | 108.8                                  | 3.2            |                                  |  |                |                                  |  |                |
| 69.7   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 107.1                                  | 3.1            |                                  |  |                |
| 70.0   | 44.4                             | 99.4                                   | 2.7            | 46.9                             | 101.9                                  | 2.9            | 50.6                             | 104.9                                  | 3.0            | 54.8                             | 106.9                                  | 3.1            |                                  |  |                |
| 75.0   | 39.8                             | 93.8                                   | 2.6            | 42.5                             | 96.8                                   | 2.7            | 46.4                             | 100.4                                  | 2.9            | 50.9                             | 103.1                                  | 3.0            |                                  |  |                |
| 80.0   | 34.6                             | 87.1                                   | 2.5            | 37.6                             | 90.7                                   | 2.6            | 41.9                             | 95.2                                   | 2.7            | 46.7                             | 98.6                                   | 2.8            |                                  |  |                |
| 85.0   |                                  |  |                | 32.1                             | 83.4                                   | 2.4            | 37.0                             | 89.0                                   | 2.6            | 42.2                             | 93.4                                   | 2.7            |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                | 31.4                             | 81.5                                   | 2.5            | 37.3                             | 87.3                                   | 2.6            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                | 24.7                             | 72.0                                   | 2.3            | 31.8                             | 79.9                                   | 2.5            |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                | 25.2                             | 70.5                                   | 2.4            |                                  |  |                |
| 101.3  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 77.5                                   | 2.4            |
| 105.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 30.7                             | 71.7                                   | 2.3            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 95.5 m Plumín<br>52.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.2   | 78.0                             | 128.4                                  | 4.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 76.9                             | 127.9                                  | 4.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 75.6                             | 127.4                                  | 4.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 74.4                             | 126.9                                  | 4.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 73.1                             | 126.3                                  | 4.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 71.9                             | 125.6                                  | 4.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 35.0   |                                  |  |                | 73.0                             | 125.9                                  | 4.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 70.6                             | 124.9                                  | 4.0            | 72.4                             | 125.6                                  | 4.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 69.3                             | 124.2                                  | 3.9            | 71.1                             | 124.9                                  | 4.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 68.0                             | 123.4                                  | 3.8            | 69.8                             | 124.2                                  | 3.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 66.7                             | 122.5                                  | 3.6            | 68.5                             | 123.4                                  | 3.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 65.4                             | 121.6                                  | 3.5            | 67.2                             | 122.6                                  | 3.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 64.0                             | 120.7                                  | 3.4            | 65.9                             | 121.7                                  | 3.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 62.7                             | 119.7                                  | 3.4            | 64.6                             | 120.8                                  | 3.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0   | 61.3                             | 118.6                                  | 3.3            | 63.2                             | 119.8                                  | 3.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 51.8   |                                  |  |                |                                  |  |                | 65.0                             | 120.1                                  | 3.5            |                                  |  |                |                                  |  |                |
| 55.0   | 57.8                             | 115.6                                  | 3.0            | 59.8                             | 117.0                                  | 3.2            | 62.9                             | 118.5                                  | 3.4            |                                  |  |                |                                  |  |                |
| 60.0   | 54.1                             | 112.1                                  | 2.8            | 56.2                             | 113.8                                  | 2.9            | 59.4                             | 115.7                                  | 3.2            |                                  |  |                |                                  |  |                |
| 65.0   | 50.3                             | 108.2                                  | 2.6            | 52.5                             | 110.2                                  | 2.7            | 55.8                             | 112.5                                  | 2.9            |                                  |  |                |                                  |  |                |
| 70.0   | 46.3                             | 103.7                                  | 2.3            | 48.6                             | 106.0                                  | 2.5            | 52.1                             | 108.8                                  | 2.7            |                                  |  |                |                                  |  |                |
| 71.4   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 109.6                                  | 2.8            |                                  |  |                |
| 75.0   |                                  |  |                |                                  |  |                | 48.1                             | 104.5                                  | 2.5            | 52.3                             | 106.9                                  | 2.7            |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                | 48.4                             | 102.7                                  | 2.5            |                                  |  |                |



## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 38.5 m Plumín<br>16.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 12.4   | 78.0                             | 75.6                                   | 64.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 13.0   | 77.1                             | 75.5                                   | 64.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.0   | 75.5                             | 75.2                                   | 60.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 72.4                             | 74.6                                   | 50.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 69.2                             | 73.9                                   | 42.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.7   |                                  |  |                | 73.0                             | 74.4                                   | 53.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 66.0                             | 73.0                                   | 36.2           | 71.0                             | 74.0                                   | 52.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 62.7                             | 72.0                                   | 31.3           | 67.8                             | 73.2                                   | 47.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 59.3                             | 70.9                                   | 27.9           | 64.5                             | 72.3                                   | 41.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 55.7                             | 69.5                                   | 25.0           | 61.2                             | 71.2                                   | 36.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 52.0                             | 68.0                                   | 22.7           | 57.7                             | 70.0                                   | 32.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.5   |                                  |  |                |                                  |  |                | 65.0                             | 71.3                                   | 30.1           |                                  |  |                |                                  |  |                |
| 30.0   | 48.0                             | 66.3                                   | 21.0           | 54.0                             | 68.6                                   | 29.0           | 62.6                             | 70.6                                   | 34.5           |                                  |  |                |                                  |  |                |
| 32.0   | 43.8                             | 64.3                                   | 19.5           | 50.2                             | 67.0                                   | 26.5           | 59.2                             | 69.4                                   | 32.4           |                                  |  |                |                                  |  |                |
| 34.0   | 39.3                             | 62.0                                   | 18.2           | 46.2                             | 65.1                                   | 24.3           | 55.6                             | 68.1                                   | 30.4           |                                  |  |                |                                  |  |                |
| 36.0   | 34.2                             | 59.2                                   | 17.1           | 41.8                             | 63.0                                   | 22.3           | 51.9                             | 66.6                                   | 28.7           |                                  |  |                |                                  |  |                |
| 38.0   | 28.3                             | 55.8                                   | 16.2           | 37.1                             | 60.5                                   | 20.6           | 48.0                             | 64.9                                   | 27.2           |                                  |  |                |                                  |  |                |
| 40.0   | 20.9                             | 51.3                                   | 15.2           | 31.7                             | 57.5                                   | 19.3           | 43.8                             | 62.9                                   | 25.6           | 55.0                             | 65.6                                   | 23.2           |                                  |  |                |
| 41.0   | 16.0                             | 48.2                                   | 14.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   |                                  |  |                | 25.3                             | 53.7                                   | 18.0           | 39.2                             | 60.6                                   | 24.3           | 51.5                             | 64.2                                   | 23.3           |                                  |  |                |
| 44.0   |                                  |  |                | 16.6                             | 48.2                                   | 16.7           | 34.1                             | 57.8                                   | 23.2           | 47.5                             | 62.4                                   | 22.2           |                                  |  |                |
| 46.0   |                                  |  |                |                                  |  |                | 28.2                             | 54.4                                   | 22.0           | 43.3                             | 60.4                                   | 21.1           |                                  |  |                |
| 48.0   |                                  |  |                |                                  |  |                | 20.8                             | 49.8                                   | 20.8           | 38.7                             | 58.0                                   | 20.2           |                                  |  |                |
| 49.0   |                                  |  |                |                                  |  |                | 15.8                             | 46.6                                   | 20.2           |                                  |  |                |                                  |  |                |
| 50.0   |                                  |  |                |                                  |  |                |                                  |  |                | 33.5                             | 55.2                                   | 19.4           |                                  |  |                |
| 55.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.5                             | 44.8                                   | 15.1           |                                  |  |                |
| 59.2   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 48.6                                   | 13.1           |
| 60.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 33.5                             | 47.8                                   | 13.7           |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.4                             | 37.4                                   | 11.5           |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 41.5 m Plumín<br>19.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 13.0   | 78.0                             | 78.5                                   | 57.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.0   | 76.6                             | 78.3                                   | 56.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 73.7                             | 77.7                                   | 49.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 70.8                             | 77.1                                   | 41.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 19.6   |                                  |  |                | 73.0                             | 77.3                                   | 48.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 67.9                             | 76.3                                   | 36.0           | 72.4                             | 77.1                                   | 48.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 64.8                             | 75.4                                   | 30.8           | 69.5                             | 76.4                                   | 45.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 61.7                             | 74.3                                   | 27.1           | 66.5                             | 75.6                                   | 41.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 58.5                             | 73.2                                   | 24.5           | 63.4                             | 74.6                                   | 36.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 55.2                             | 71.8                                   | 22.3           | 60.3                             | 73.5                                   | 32.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 29.8   |                                  |  |                |                                  |  |                | 65.0                             | 74.0                                   | 33.2           |                                  |  |                |                                  |  |                |
| 30.0   | 51.7                             | 70.3                                   | 20.6           | 57.0                             | 72.2                                   | 29.1           | 64.8                             | 74.0                                   | 33.2           |                                  |  |                |                                  |  |                |
| 32.0   | 48.0                             | 68.6                                   | 19.2           | 53.6                             | 70.8                                   | 26.4           | 61.6                             | 72.9                                   | 31.7           |                                  |  |                |                                  |  |                |
| 34.0   | 44.2                             | 66.6                                   | 17.8           | 50.1                             | 69.2                                   | 24.3           | 58.4                             | 71.7                                   | 29.9           |                                  |  |                |                                  |  |                |
| 36.0   | 40.0                             | 64.3                                   | 16.7           | 46.3                             | 67.4                                   | 22.3           | 55.1                             | 70.4                                   | 28.0           |                                  |  |                |                                  |  |                |
| 38.0   | 35.4                             | 61.6                                   | 15.7           | 42.3                             | 65.3                                   | 20.6           | 51.6                             | 68.9                                   | 26.5           |                                  |  |                |                                  |  |                |
| 40.0   | 30.2                             | 58.4                                   | 14.9           | 38.0                             | 62.8                                   | 19.1           | 48.0                             | 67.1                                   | 25.2           |                                  |  |                |                                  |  |                |
| 41.7   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 68.1                                   | 21.6           |                                  |  |                |
| 42.0   | 23.9                             | 54.4                                   | 14.1           | 33.1                             | 60.0                                   | 17.9           | 44.1                             | 65.1                                   | 23.8           | 54.8                             | 68.0                                   | 22.7           |                                  |  |                |
| 44.0   | 15.4                             | 48.6                                   | 13.2           | 27.5                             | 56.4                                   | 16.7           | 39.9                             | 62.9                                   | 22.7           | 51.3                             | 66.4                                   | 21.7           |                                  |  |                |
| 46.0   |                                  |  |                | 20.5                             | 51.8                                   | 15.6           | 35.3                             | 60.2                                   | 21.7           | 47.6                             | 64.7                                   | 20.6           |                                  |  |                |
| 47.0   |                                  |  |                | 15.9                             | 48.6                                   | 15.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   |                                  |  |                |                                  |  |                | 30.1                             | 57.0                                   | 20.6           | 43.7                             | 62.6                                   | 19.7           |                                  |  |                |
| 50.0   |                                  |  |                |                                  |  |                | 23.8                             | 52.9                                   | 19.5           | 39.4                             | 60.3                                   | 19.0           |                                  |  |                |
| 52.0   |                                  |  |                |                                  |  |                | 15.2                             | 47.0                                   | 18.3           |                                  |  |                |                                  |  |                |
| 55.0   |                                  |  |                |                                  |  |                |                                  |  |                | 26.5                             | 52.4                                   | 17.4           |                                  |  |                |
| 58.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.9                             | 45.2                                   | 15.0           |                                  |  |                |
| 61.7   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 50.4                                   | 12.1           |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 26.4                             | 45.0                                   | 11.9           |
| 68.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.8                             | 37.8                                   | 10.5           |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 44.5 m Plumín<br>22.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 13.6   | 78.0                             | 81.5                                   | 52.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.0   | 77.5                             | 81.4                                   | 52.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 74.9                             | 80.9                                   | 48.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 72.2                             | 80.2                                   | 41.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 69.4                             | 79.5                                   | 35.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.5   |                                  |  |                | 73.0                             | 80.1                                   | 45.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 66.6                             | 78.7                                   | 30.9           | 70.9                             | 79.6                                   | 44.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 63.8                             | 77.7                                   | 26.8           | 68.2                             | 78.8                                   | 41.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 60.9                             | 76.7                                   | 24.0           | 65.4                             | 78.0                                   | 36.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 57.8                             | 75.4                                   | 22.0           | 62.5                             | 76.9                                   | 32.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 54.7                             | 74.1                                   | 20.3           | 59.5                             | 75.8                                   | 29.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 31.1   |                                  |  |                |                                  |  |                | 65.0                             | 76.8                                   | 31.3           |                                  |  |                |                                  |  |                |
| 32.0   | 51.5                             | 72.5                                   | 18.9           | 56.4                             | 74.5                                   | 26.8           | 63.7                             | 76.3                                   | 31.3           |                                  |  |                |                                  |  |                |
| 34.0   | 48.1                             | 70.8                                   | 17.7           | 53.3                             | 73.1                                   | 24.4           | 60.8                             | 75.2                                   | 29.4           |                                  |  |                |                                  |  |                |
| 36.0   | 44.4                             | 68.8                                   | 16.5           | 49.9                             | 71.4                                   | 22.6           | 57.8                             | 74.0                                   | 27.8           |                                  |  |                |                                  |  |                |
| 38.0   | 40.6                             | 66.6                                   | 15.5           | 46.5                             | 69.6                                   | 20.8           | 54.7                             | 72.6                                   | 26.2           |                                  |  |                |                                  |  |                |
| 40.0   | 36.4                             | 64.0                                   | 14.6           | 42.7                             | 67.5                                   | 19.2           | 51.4                             | 71.1                                   | 24.9           |                                  |  |                |                                  |  |                |
| 42.0   | 31.7                             | 61.0                                   | 13.9           | 38.7                             | 65.2                                   | 17.9           | 48.0                             | 69.4                                   | 23.7           |                                  |  |                |                                  |  |                |
| 43.5   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 70.5                                   | 20.3           |                                  |  |                |
| 44.0   | 26.2                             | 57.2                                   | 13.1           | 34.3                             | 62.4                                   | 16.7           | 44.4                             | 67.4                                   | 22.5           | 54.3                             | 70.2                                   | 21.5           |                                  |  |                |
| 46.0   | 19.4                             | 52.3                                   | 12.4           | 29.4                             | 59.1                                   | 15.7           | 40.5                             | 65.1                                   | 21.4           | 51.1                             | 68.7                                   | 20.5           |                                  |  |                |
| 47.0   | 16.5                             | 50.2                                   | 11.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   |                                  |  |                | 23.4                             | 54.9                                   | 14.7           | 36.3                             | 62.6                                   | 20.5           | 47.6                             | 66.9                                   | 19.4           |                                  |  |                |
| 50.0   |                                  |  |                | 15.4                             | 49.0                                   | 13.7           | 31.6                             | 59.5                                   | 19.5           | 44.0                             | 64.9                                   | 18.7           |                                  |  |                |
| 55.0   |                                  |  |                |                                  |  |                | 16.3                             | 48.6                                   | 15.1           | 33.5                             | 58.5                                   | 17.2           |                                  |  |                |
| 60.0   |                                  |  |                |                                  |  |                |                                  |  |                | 18.4                             | 47.9                                   | 15.6           |                                  |  |                |
| 61.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.3                             | 45.6                                   | 14.1           |                                  |  |                |
| 64.1   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 52.1                                   | 11.3           |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 33.5                             | 51.1                                   | 11.8           |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 18.3                             | 40.5                                   | 10.4           |
| 71.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.2                             | 38.1                                   | 9.8            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 47.5 m Plumín<br>25.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.3   | 78.0                             | 84.4                                   | 47.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 75.8                             | 84.0                                   | 46.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 73.3                             | 83.4                                   | 41.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 70.8                             | 82.7                                   | 34.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 21.4   |                                  |  |                | 73.0                             | 83.0                                   | 41.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 68.2                             | 82.0                                   | 30.5           | 72.2                             | 82.8                                   | 41.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 65.6                             | 81.1                                   | 26.6           | 69.6                             | 82.1                                   | 39.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 62.9                             | 80.1                                   | 23.6           | 67.0                             | 81.2                                   | 36.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 60.1                             | 79.0                                   | 21.6           | 64.4                             | 80.3                                   | 32.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 57.3                             | 77.7                                   | 19.9           | 61.6                             | 79.3                                   | 29.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 54.3                             | 76.3                                   | 18.4           | 58.8                             | 78.1                                   | 27.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.3   |                                  |  |                |                                  |  |                | 65.0                             | 79.5                                   | 28.9           |                                  |  |                |                                  |  |                |
| 34.0   | 51.3                             | 74.8                                   | 17.2           | 55.9                             | 76.8                                   | 24.5           | 62.8                             | 78.7                                   | 28.8           |                                  |  |                |                                  |  |                |
| 36.0   | 48.1                             | 73.0                                   | 16.1           | 53.0                             | 75.3                                   | 22.4           | 60.0                             | 77.5                                   | 27.0           |                                  |  |                |                                  |  |                |
| 38.0   | 44.7                             | 71.1                                   | 15.1           | 49.8                             | 73.7                                   | 20.7           | 57.2                             | 76.3                                   | 25.6           |                                  |  |                |                                  |  |                |
| 40.0   | 41.1                             | 68.9                                   | 14.1           | 46.6                             | 71.8                                   | 19.2           | 54.3                             | 74.9                                   | 24.2           |                                  |  |                |                                  |  |                |
| 42.0   | 37.2                             | 66.4                                   | 13.3           | 43.1                             | 69.8                                   | 17.8           | 51.2                             | 73.3                                   | 23.1           |                                  |  |                |                                  |  |                |
| 44.0   | 33.0                             | 63.4                                   | 12.6           | 39.4                             | 67.5                                   | 16.5           | 48.0                             | 71.6                                   | 22.0           |                                  |  |                |                                  |  |                |
| 45.2   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 73.0                                   | 19.0           |                                  |  |                |
| 46.0   | 28.1                             | 60.0                                   | 12.0           | 35.4                             | 64.8                                   | 15.5           | 44.6                             | 69.6                                   | 21.0           | 54.0                             | 72.5                                   | 20.0           |                                  |  |                |
| 48.0   | 22.3                             | 55.6                                   | 11.4           | 30.9                             | 61.6                                   | 14.6           | 41.0                             | 67.4                                   | 20.0           | 50.9                             | 70.9                                   | 19.0           |                                  |  |                |
| 50.0   | 15.9                             | 50.6                                   | 10.0           | 25.7                             | 57.8                                   | 13.7           | 37.2                             | 64.9                                   | 19.2           | 47.7                             | 69.1                                   | 18.1           |                                  |  |                |
| 53.0   |                                  |  |                | 16.4                             | 50.6                                   | 11.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.0   |                                  |  |                |                                  |  |                | 25.3                             | 56.4                                   | 16.8           | 38.7                             | 63.7                                   | 16.4           |                                  |  |                |
| 58.0   |                                  |  |                |                                  |  |                | 15.8                             | 49.0                                   | 14.7           |                                  |  |                |                                  |  |                |
| 60.0   |                                  |  |                |                                  |  |                |                                  |  |                | 27.5                             | 55.8                                   | 15.1           |                                  |  |                |
| 63.0   |                                  |  |                |                                  |  |                |                                  |  |                | 17.8                             | 48.4                                   | 14.2           |                                  |  |                |
| 66.6   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 53.8                                   | 10.5           |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 27.4                             | 48.4                                   | 10.1           |
| 73.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.7                             | 40.9                                   | 9.3            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 50.5 m Plumín<br>28.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.9   | 78.0                             | 87.3                                   | 44.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 76.7                             | 87.1                                   | 43.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 74.3                             | 86.5                                   | 40.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 72.0                             | 85.9                                   | 34.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 69.6                             | 85.2                                   | 30.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.2   |                                  |  |                | 73.0                             | 85.9                                   | 39.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 67.1                             | 84.4                                   | 26.5           | 70.9                             | 85.3                                   | 38.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 64.6                             | 83.4                                   | 23.6           | 68.5                             | 84.5                                   | 36.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 62.1                             | 82.4                                   | 21.4           | 66.0                             | 83.6                                   | 33.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 59.4                             | 81.3                                   | 19.7           | 63.5                             | 82.7                                   | 30.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 56.7                             | 80.0                                   | 18.2           | 60.9                             | 81.6                                   | 27.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 33.6   |                                  |  |                |                                  |  |                | 65.0                             | 82.2                                   | 27.9           |                                  |  |                |                                  |  |                |
| 34.0   | 54.0                             | 78.6                                   | 16.9           | 58.2                             | 80.4                                   | 24.9           | 64.6                             | 82.0                                   | 27.9           |                                  |  |                |                                  |  |                |
| 36.0   | 51.1                             | 77.0                                   | 15.9           | 55.5                             | 79.0                                   | 22.7           | 62.0                             | 81.0                                   | 26.8           |                                  |  |                |                                  |  |                |
| 38.0   | 48.1                             | 75.3                                   | 14.9           | 52.7                             | 77.6                                   | 20.8           | 59.4                             | 79.8                                   | 25.3           |                                  |  |                |                                  |  |                |
| 40.0   | 44.9                             | 73.3                                   | 13.9           | 49.7                             | 75.9                                   | 19.3           | 56.7                             | 78.6                                   | 24.0           |                                  |  |                |                                  |  |                |
| 42.0   | 41.6                             | 71.1                                   | 13.1           | 46.7                             | 74.1                                   | 17.9           | 53.9                             | 77.1                                   | 22.7           |                                  |  |                |                                  |  |                |
| 44.0   | 38.0                             | 68.7                                   | 12.3           | 43.4                             | 72.0                                   | 16.6           | 51.0                             | 75.6                                   | 21.7           |                                  |  |                |                                  |  |                |
| 46.0   | 34.0                             | 65.9                                   | 11.7           | 40.0                             | 69.8                                   | 15.5           | 48.0                             | 73.8                                   | 20.8           |                                  |  |                |                                  |  |                |
| 46.9   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 75.4                                   | 17.9           |                                  |  |                |
| 48.0   | 29.7                             | 62.6                                   | 11.1           | 36.2                             | 67.1                                   | 14.5           | 44.8                             | 71.9                                   | 19.8           | 53.6                             | 74.7                                   | 18.8           |                                  |  |                |
| 50.0   | 24.6                             | 58.6                                   | 10.5           | 32.1                             | 64.1                                   | 13.7           | 41.5                             | 69.7                                   | 18.9           | 50.7                             | 73.1                                   | 17.8           |                                  |  |                |
| 53.0   | 15.4                             | 51.0                                   | 8.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.0   |                                  |  |                | 18.5                             | 53.3                                   | 11.7           | 31.8                             | 62.8                                   | 16.9           | 42.9                             | 68.3                                   | 16.1           |                                  |  |                |
| 56.0   |                                  |  |                | 15.9                             | 51.0                                   | 10.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 60.0   |                                  |  |                |                                  |  |                | 18.0                             | 51.8                                   | 14.6           | 33.5                             | 61.8                                   | 14.7           |                                  |  |                |
| 61.0   |                                  |  |                |                                  |  |                | 15.3                             | 49.4                                   | 13.5           |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                | 20.8                             | 51.8                                   | 13.4           |                                  |  |                |
| 66.0   |                                  |  |                |                                  |  |                |                                  |  |                | 17.2                             | 48.8                                   | 13.2           |                                  |  |                |
| 69.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 55.5                                   | 9.8            |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 33.5                             | 54.4                                   | 9.8            |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 21.8                             | 45.3                                   | 8.5            |
| 76.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 18.4                             | 42.4                                   | 8.3            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 53.5 m Plumín<br>31.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 15.5   | 78.0                             | 90.3                                   | 39.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 77.5                             | 90.2                                   | 39.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 75.2                             | 89.7                                   | 37.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 73.0                             | 89.1                                   | 34.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 70.8                             | 88.4                                   | 29.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 23.1   |                                  |  |                | 73.0                             | 88.7                                   | 35.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 68.5                             | 87.6                                   | 25.9           | 72.0                             | 88.4                                   | 35.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 66.1                             | 86.8                                   | 23.2           | 69.7                             | 87.7                                   | 34.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 63.8                             | 85.8                                   | 21.0           | 67.4                             | 86.9                                   | 32.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 61.3                             | 84.7                                   | 19.3           | 65.1                             | 86.0                                   | 29.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 58.8                             | 83.6                                   | 17.8           | 62.7                             | 85.0                                   | 27.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 56.3                             | 82.3                                   | 16.5           | 60.2                             | 83.9                                   | 25.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.9   |                                  |  |                |                                  |  |                | 65.0                             | 84.9                                   | 26.2           |                                  |  |                |                                  |  |                |
| 36.0   | 53.6                             | 80.8                                   | 15.4           | 57.7                             | 82.7                                   | 22.7           | 63.7                             | 84.4                                   | 26.2           |                                  |  |                |                                  |  |                |
| 38.0   | 50.9                             | 79.2                                   | 14.5           | 55.1                             | 81.3                                   | 20.7           | 61.3                             | 83.3                                   | 24.7           |                                  |  |                |                                  |  |                |
| 40.0   | 48.1                             | 77.5                                   | 13.6           | 52.4                             | 79.8                                   | 19.0           | 58.8                             | 82.1                                   | 23.5           |                                  |  |                |                                  |  |                |
| 42.0   | 45.1                             | 75.6                                   | 12.8           | 49.7                             | 78.2                                   | 17.7           | 56.2                             | 80.8                                   | 22.2           |                                  |  |                |                                  |  |                |
| 44.0   | 42.0                             | 73.4                                   | 12.0           | 46.8                             | 76.3                                   | 16.4           | 53.6                             | 79.4                                   | 21.1           |                                  |  |                |                                  |  |                |
| 46.0   | 38.6                             | 71.0                                   | 11.3           | 43.7                             | 74.3                                   | 15.2           | 50.9                             | 77.8                                   | 20.2           |                                  |  |                |                                  |  |                |
| 48.0   | 35.0                             | 68.3                                   | 10.7           | 40.5                             | 72.0                                   | 14.2           | 48.0                             | 76.1                                   | 19.3           |                                  |  |                |                                  |  |                |
| 48.6   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 77.9                                   | 16.7           |                                  |  |                |
| 50.0   | 31.0                             | 65.1                                   | 10.2           | 37.0                             | 69.5                                   | 13.3           | 45.0                             | 74.1                                   | 18.4           | 53.3                             | 77.0                                   | 17.4           |                                  |  |                |
| 55.0   | 17.6                             | 53.7                                   | 8.9            | 26.7                             | 61.3                                   | 11.5           | 36.8                             | 68.2                                   | 16.6           | 46.2                             | 72.6                                   | 15.7           |                                  |  |                |
| 59.0   |                                  |  |                | 15.4                             | 51.4                                   | 9.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 60.0   |                                  |  |                |                                  |  |                | 26.3                             | 59.9                                   | 14.5           | 38.2                             | 67.0                                   | 14.2           |                                  |  |                |
| 63.0   |                                  |  |                |                                  |  |                | 17.5                             | 52.2                                   | 13.2           |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                | 28.2                             | 59.2                                   | 13.0           |                                  |  |                |
| 69.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.7                             | 49.2                                   | 12.1           |                                  |  |                |
| 71.5   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 57.3                                   | 9.0            |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 28.2                             | 51.8                                   | 8.2            |
| 79.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.9                             | 42.9                                   | 7.3            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 56.5 m Plumín<br>22.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.1   | 78.0                             | 93.2                                   | 36.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 76.0                             | 92.8                                   | 36.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 73.9                             | 92.2                                   | 33.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 71.8                             | 91.6                                   | 29.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 69.7                             | 90.8                                   | 25.4           | 73.0                             | 91.6                                   | 32.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 67.5                             | 90.0                                   | 22.9           | 70.8                             | 90.9                                   | 32.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 65.2                             | 89.1                                   | 20.8           | 68.7                             | 90.2                                   | 31.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 63.0                             | 88.1                                   | 19.1           | 66.5                             | 89.3                                   | 29.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 60.7                             | 87.0                                   | 17.7           | 64.2                             | 88.4                                   | 27.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 58.3                             | 85.8                                   | 16.4           | 61.9                             | 87.3                                   | 25.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 55.9                             | 84.5                                   | 15.3           | 59.6                             | 86.2                                   | 23.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.1   |                                  |  |                |                                  |  |                | 65.0                             | 87.6                                   | 24.5           |                                  |  |                |                                  |  |                |
| 38.0   | 53.4                             | 83.1                                   | 14.3           | 57.2                             | 84.9                                   | 21.0           | 62.9                             | 86.7                                   | 24.5           |                                  |  |                |                                  |  |                |
| 40.0   | 50.8                             | 81.5                                   | 13.4           | 54.8                             | 83.6                                   | 19.2           | 60.6                             | 85.6                                   | 23.1           |                                  |  |                |                                  |  |                |
| 42.0   | 48.1                             | 79.7                                   | 12.6           | 52.2                             | 82.0                                   | 17.7           | 58.3                             | 84.4                                   | 22.1           |                                  |  |                |                                  |  |                |
| 44.0   | 45.3                             | 77.8                                   | 11.9           | 49.6                             | 80.4                                   | 16.4           | 55.8                             | 83.1                                   | 20.9           |                                  |  |                |                                  |  |                |
| 46.0   | 42.3                             | 75.7                                   | 11.2           | 46.8                             | 78.6                                   | 15.3           | 53.3                             | 81.6                                   | 19.8           |                                  |  |                |                                  |  |                |
| 48.0   | 39.2                             | 73.3                                   | 10.5           | 44.0                             | 76.6                                   | 14.2           | 50.7                             | 80.1                                   | 19.0           |                                  |  |                |                                  |  |                |
| 50.0   | 35.8                             | 70.6                                   | 9.9            | 40.9                             | 74.3                                   | 13.3           | 48.0                             | 78.3                                   | 18.2           |                                  |  |                |                                  |  |                |
| 50.3   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 80.4                                   | 15.7           |                                  |  |                |
| 55.0   | 25.7                             | 62.1                                   | 8.8            | 32.3                             | 67.5                                   | 11.4           | 40.7                             | 73.1                                   | 16.3           | 49.1                             | 76.7                                   | 15.4           |                                  |  |                |
| 58.0   | 17.1                             | 54.2                                   | 8.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 60.0   |                                  |  |                | 20.7                             | 57.2                                   | 9.7            | 32.0                             | 66.2                                   | 14.6           | 41.9                             | 71.7                                   | 13.9           |                                  |  |                |
| 61.0   |                                  |  |                | 17.5                             | 54.2                                   | 9.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                |                                  |  |                | 20.3                             | 55.7                                   | 12.5           | 33.5                             | 65.1                                   | 12.8           |                                  |  |                |
| 66.0   |                                  |  |                |                                  |  |                | 17.0                             | 52.7                                   | 12.1           |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                | 22.5                             | 55.5                                   | 11.8           |                                  |  |                |
| 72.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.2                             | 49.7                                   | 11.3           |                                  |  |                |
| 73.9   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 59.0                                   | 8.3            |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 33.0                             | 57.4                                   | 8.1            |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 23.3                             | 48.9                                   | 7.1            |
| 82.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.4                             | 43.3                                   | 6.6            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 59.5 m Plumín<br>25.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.8   | 78.0                             | 96.1                                   | 33.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 76.8                             | 95.9                                   | 33.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 74.8                             | 95.3                                   | 31.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 72.8                             | 94.7                                   | 29.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 70.7                             | 94.0                                   | 25.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.9   |                                  |  |                | 73.0                             | 94.5                                   | 30.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 68.7                             | 93.3                                   | 22.5           | 71.9                             | 94.1                                   | 30.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 66.6                             | 92.4                                   | 20.5           | 69.8                             | 93.4                                   | 29.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 64.5                             | 91.5                                   | 18.7           | 67.7                             | 92.6                                   | 28.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 62.3                             | 90.5                                   | 17.4           | 65.6                             | 91.7                                   | 26.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 60.1                             | 89.4                                   | 16.1           | 63.5                             | 90.7                                   | 24.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 57.8                             | 88.1                                   | 15.0           | 61.3                             | 89.7                                   | 23.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 37.4   |                                  |  |                |                                  |  |                | 65.0                             | 90.4                                   | 23.1           |                                  |  |                |                                  |  |                |
| 38.0   | 55.5                             | 86.8                                   | 13.9           | 59.1                             | 88.5                                   | 21.4           | 64.4                             | 90.1                                   | 23.5           |                                  |  |                |                                  |  |                |
| 40.0   | 53.1                             | 85.3                                   | 13.0           | 56.8                             | 87.2                                   | 19.5           | 62.2                             | 89.1                                   | 22.8           |                                  |  |                |                                  |  |                |
| 42.0   | 50.6                             | 83.7                                   | 12.3           | 54.4                             | 85.8                                   | 17.8           | 60.0                             | 87.9                                   | 21.5           |                                  |  |                |                                  |  |                |
| 44.0   | 48.1                             | 82.0                                   | 11.6           | 52.0                             | 84.3                                   | 16.4           | 57.8                             | 86.7                                   | 20.6           |                                  |  |                |                                  |  |                |
| 46.0   | 45.4                             | 80.1                                   | 10.9           | 49.5                             | 82.6                                   | 15.3           | 55.5                             | 85.4                                   | 19.5           |                                  |  |                |                                  |  |                |
| 48.0   | 42.6                             | 77.9                                   | 10.2           | 46.9                             | 80.8                                   | 14.2           | 53.1                             | 83.9                                   | 18.5           |                                  |  |                |                                  |  |                |
| 50.0   | 39.7                             | 75.6                                   | 9.6            | 44.2                             | 78.8                                   | 13.3           | 50.6                             | 82.3                                   | 17.8           |                                  |  |                |                                  |  |                |
| 52.1   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 82.8                                   | 14.7           |                                  |  |                |
| 55.0   | 31.2                             | 68.5                                   | 8.5            | 36.7                             | 72.8                                   | 11.2           | 44.0                             | 77.6                                   | 15.9           | 51.6                             | 80.7                                   | 15.1           |                                  |  |                |
| 60.0   | 19.8                             | 57.7                                   | 7.4            | 27.4                             | 64.7                                   | 9.7            | 36.4                             | 71.6                                   | 14.5           | 45.1                             | 76.1                                   | 13.6           |                                  |  |                |
| 61.0   | 16.7                             | 54.6                                   | 7.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 64.0   |                                  |  |                | 17.0                             | 54.6                                   | 8.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                |                                  |  |                | 27.2                             | 63.3                                   | 12.6           | 37.7                             | 70.4                                   | 12.4           |                                  |  |                |
| 69.0   |                                  |  |                |                                  |  |                | 16.6                             | 53.1                                   | 11.0           |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                | 28.8                             | 62.6                                   | 11.4           |                                  |  |                |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.8                             | 50.1                                   | 10.5           |                                  |  |                |
| 76.4   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 60.7                                   | 7.4            |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 29.4                             | 55.8                                   | 6.7            |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.9                             | 43.8                                   | 5.7            |



## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 62.5 m Plumín<br>28.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 17.4   | 78.0                             | 99.1                                   | 31.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 77.4                             | 98.9                                   | 31.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 75.5                             | 98.4                                   | 30.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 73.6                             | 97.9                                   | 29.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 71.7                             | 97.2                                   | 25.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 25.7   |                                  |  |                | 73.0                             | 97.3                                   | 28.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 69.7                             | 96.5                                   | 22.3           | 72.8                             | 97.3                                   | 28.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 67.8                             | 95.7                                   | 20.3           | 70.8                             | 96.6                                   | 27.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 65.8                             | 94.8                                   | 18.5           | 68.9                             | 95.8                                   | 27.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 63.7                             | 93.9                                   | 17.1           | 66.9                             | 95.0                                   | 26.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 61.7                             | 92.8                                   | 16.0           | 64.9                             | 94.1                                   | 24.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 59.5                             | 91.7                                   | 14.9           | 62.8                             | 93.1                                   | 23.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 57.4                             | 90.4                                   | 13.8           | 60.7                             | 92.0                                   | 22.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.7   |                                  |  |                |                                  |  |                | 65.0                             | 93.1                                   | 22.5           |                                  |  |                |                                  |  |                |
| 40.0   | 55.2                             | 89.0                                   | 12.9           | 58.6                             | 90.8                                   | 20.0           | 63.7                             | 92.4                                   | 22.4           |                                  |  |                |                                  |  |                |
| 42.0   | 52.9                             | 87.6                                   | 12.1           | 56.4                             | 89.5                                   | 18.2           | 61.6                             | 91.4                                   | 21.3           |                                  |  |                |                                  |  |                |
| 44.0   | 50.5                             | 86.0                                   | 11.4           | 54.1                             | 88.1                                   | 16.7           | 59.5                             | 90.2                                   | 20.2           |                                  |  |                |                                  |  |                |
| 46.0   | 48.1                             | 84.2                                   | 10.7           | 51.8                             | 86.5                                   | 15.5           | 57.3                             | 89.0                                   | 19.3           |                                  |  |                |                                  |  |                |
| 48.0   | 45.6                             | 82.3                                   | 10.1           | 49.4                             | 84.9                                   | 14.4           | 55.1                             | 87.6                                   | 18.3           |                                  |  |                |                                  |  |                |
| 50.0   | 42.9                             | 80.2                                   | 9.5            | 47.0                             | 83.0                                   | 13.4           | 52.8                             | 86.1                                   | 17.5           |                                  |  |                |                                  |  |                |
| 53.8   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 85.3                                   | 13.9           |                                  |  |                |
| 55.0   | 35.6                             | 74.0                                   | 8.2            | 40.3                             | 77.7                                   | 11.2           | 46.8                             | 81.8                                   | 15.8           | 53.8                             | 84.5                                   | 14.7           |                                  |  |                |
| 60.0   | 26.6                             | 65.5                                   | 7.3            | 32.4                             | 70.8                                   | 9.6            | 40.1                             | 76.5                                   | 14.2           | 47.8                             | 80.3                                   | 13.4           |                                  |  |                |
| 64.0   | 16.3                             | 55.0                                   | 6.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                | 22.2                             | 60.9                                   | 8.3            | 32.2                             | 69.5                                   | 12.8           | 41.2                             | 75.1                                   | 12.2           |                                  |  |                |
| 67.0   |                                  |  |                | 16.6                             | 55.0                                   | 7.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                |                                  |  |                | 21.9                             | 59.5                                   | 10.9           | 33.5                             | 68.5                                   | 11.2           |                                  |  |                |
| 72.0   |                                  |  |                |                                  |  |                | 16.1                             | 53.5                                   | 10.2           |                                  |  |                |                                  |  |                |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                | 23.8                             | 59.1                                   | 10.4           |                                  |  |                |
| 78.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.4                             | 50.5                                   | 9.6            |                                  |  |                |
| 78.9   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 62.4                                   | 6.6            |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 34.1                             | 61.6                                   | 6.4            |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 24.5                             | 52.5                                   | 5.5            |
| 88.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.5                             | 44.2                                   | 4.9            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 65.5 m Plumín<br>31.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 78.0                             | 102.0                                  | 27.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 76.2                             | 101.5                                  | 27.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 74.4                             | 101.0                                  | 26.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 72.6                             | 100.4                                  | 24.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 70.7                             | 99.7                                   | 21.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.6   |                                  |  |                | 73.0                             | 100.2                                  | 25.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 68.8                             | 98.9                                   | 19.9           | 71.7                             | 99.8                                   | 24.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 66.9                             | 98.1                                   | 18.1           | 69.9                             | 99.0                                   | 24.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 65.0                             | 97.2                                   | 16.7           | 68.0                             | 98.3                                   | 23.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 63.1                             | 96.2                                   | 15.4           | 66.1                             | 97.4                                   | 23.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 61.1                             | 95.1                                   | 14.5           | 64.1                             | 96.4                                   | 22.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 59.1                             | 93.9                                   | 13.4           | 62.2                             | 95.4                                   | 21.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 39.9   |                                  |  |                |                                  |  |                | 65.0                             | 95.8                                   | 20.6           |                                  |  |                |                                  |  |                |
| 40.0   | 57.0                             | 92.7                                   | 12.5           | 60.2                             | 94.3                                   | 20.1           | 65.0                             | 95.8                                   | 20.9           |                                  |  |                |                                  |  |                |
| 42.0   | 54.9                             | 91.3                                   | 11.7           | 58.1                             | 93.1                                   | 18.3           | 63.0                             | 94.8                                   | 20.7           |                                  |  |                |                                  |  |                |
| 44.0   | 52.7                             | 89.8                                   | 10.9           | 56.0                             | 91.7                                   | 16.7           | 61.0                             | 93.7                                   | 19.7           |                                  |  |                |                                  |  |                |
| 46.0   | 50.4                             | 88.2                                   | 10.4           | 53.9                             | 90.3                                   | 15.3           | 59.0                             | 92.5                                   | 18.7           |                                  |  |                |                                  |  |                |
| 48.0   | 48.1                             | 86.4                                   | 9.7            | 51.7                             | 88.8                                   | 14.1           | 56.9                             | 91.3                                   | 17.9           |                                  |  |                |                                  |  |                |
| 50.0   | 45.7                             | 84.5                                   | 9.2            | 49.4                             | 87.1                                   | 13.2           | 54.8                             | 89.9                                   | 17.0           |                                  |  |                |                                  |  |                |
| 55.0   | 39.1                             | 79.0                                   | 7.9            | 43.3                             | 82.2                                   | 11.1           | 49.2                             | 85.9                                   | 15.4           |                                  |  |                |                                  |  |                |
| 55.5   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 87.7                                   | 13.1           |                                  |  |                |
| 60.0   | 31.5                             | 71.8                                   | 6.9            | 36.4                             | 76.1                                   | 9.3            | 43.1                             | 81.0                                   | 13.8           | 50.1                             | 84.3                                   | 12.9           |                                  |  |                |
| 65.0   | 21.5                             | 61.5                                   | 6.0            | 28.1                             | 68.1                                   | 8.1            | 36.2                             | 74.9                                   | 12.5           | 44.1                             | 79.6                                   | 11.7           |                                  |  |                |
| 67.0   | 15.9                             | 55.4                                   | 5.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                | 16.2                             | 55.5                                   | 6.8            | 27.8                             | 66.7                                   | 10.9           | 37.4                             | 73.7                                   | 10.7           |                                  |  |                |
| 75.0   |                                  |  |                |                                  |  |                | 15.7                             | 53.9                                   | 9.1            | 29.3                             | 65.9                                   | 9.9            |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                | 18.2                             | 54.3                                   | 8.8            |                                  |  |                |
| 81.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.0                             | 50.9                                   | 8.6            |                                  |  |                |
| 81.3   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 64.1                                   | 5.7            |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 29.8                             | 59.1                                   | 5.1            |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 19.1                             | 47.9                                   | 4.3            |
| 91.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.1                             | 44.6                                   | 4.1            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 68.5 m Plumín<br>34.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.6   | 78.0                             | 104.9                                  | 25.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 76.8                             | 104.6                                  | 25.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 75.1                             | 104.1                                  | 23.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 73.3                             | 103.5                                  | 22.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 71.6                             | 102.9                                  | 20.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 27.5   |                                  |  |                | 73.0                             | 103.1                                  | 22.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 69.8                             | 102.2                                  | 19.5           | 72.6                             | 102.9                                  | 22.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 68.0                             | 101.4                                  | 18.1           | 70.8                             | 102.2                                  | 22.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 66.2                             | 100.5                                  | 16.6           | 69.0                             | 101.5                                  | 21.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 64.3                             | 99.6                                   | 15.3           | 67.2                             | 100.7                                  | 21.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 62.5                             | 98.5                                   | 14.2           | 65.4                             | 99.8                                   | 20.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 60.6                             | 97.4                                   | 13.3           | 63.5                             | 98.8                                   | 20.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 58.6                             | 96.2                                   | 12.4           | 61.6                             | 97.7                                   | 20.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 41.2   |                                  |  |                |                                  |  |                | 65.0                             | 98.5                                   | 19.5           |                                  |  |                |                                  |  |                |
| 42.0   | 56.6                             | 94.9                                   | 11.5           | 59.7                             | 96.6                                   | 18.8           | 64.3                             | 98.2                                   | 19.9           |                                  |  |                |                                  |  |                |
| 44.0   | 54.6                             | 93.6                                   | 10.8           | 57.7                             | 95.3                                   | 17.1           | 62.4                             | 97.1                                   | 19.4           |                                  |  |                |                                  |  |                |
| 46.0   | 52.5                             | 92.1                                   | 10.1           | 55.7                             | 94.0                                   | 15.6           | 60.5                             | 96.0                                   | 18.5           |                                  |  |                |                                  |  |                |
| 48.0   | 50.3                             | 90.4                                   | 9.6            | 53.6                             | 92.6                                   | 14.3           | 58.6                             | 94.8                                   | 17.7           |                                  |  |                |                                  |  |                |
| 50.0   | 48.1                             | 88.7                                   | 9.0            | 51.5                             | 91.0                                   | 13.2           | 56.6                             | 93.5                                   | 16.8           |                                  |  |                |                                  |  |                |
| 55.0   | 42.1                             | 83.6                                   | 7.7            | 45.9                             | 86.6                                   | 11.1           | 51.4                             | 89.8                                   | 15.0           |                                  |  |                |                                  |  |                |
| 57.2   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 90.2                                   | 12.4           |                                  |  |                |
| 60.0   | 35.4                             | 77.3                                   | 6.7            | 39.7                             | 81.1                                   | 9.3            | 45.8                             | 85.3                                   | 13.6           | 52.2                             | 88.2                                   | 12.7           |                                  |  |                |
| 65.0   | 27.2                             | 68.9                                   | 5.9            | 32.5                             | 74.1                                   | 8.0            | 39.5                             | 79.8                                   | 12.3           | 46.7                             | 83.8                                   | 11.6           |                                  |  |                |
| 70.0   | 15.5                             | 55.8                                   | 5.1            | 23.5                             | 64.5                                   | 6.9            | 32.3                             | 72.8                                   | 11.1           | 40.6                             | 78.5                                   | 10.4           |                                  |  |                |
| 73.0   |                                  |  |                | 15.8                             | 55.9                                   | 6.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 75.0   |                                  |  |                |                                  |  |                | 23.2                             | 63.1                                   | 9.4            | 33.5                             | 71.8                                   | 9.6            |                                  |  |                |
| 78.0   |                                  |  |                |                                  |  |                | 15.4                             | 54.3                                   | 8.4            |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                | 24.8                             | 62.7                                   | 8.6            |                                  |  |                |
| 83.8   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 65.9                                   | 5.1            |
| 84.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.8                             | 52.5                                   | 7.4            |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 34.0                             | 64.9                                   | 4.9            |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 25.4                             | 56.0                                   | 4.1            |
| 94.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.7                             | 45.0                                   | 3.5            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 71.5 m Plumín<br>37.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 19.2   | 78.0                             | 107.9                                  | 22.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 77.4                             | 107.7                                  | 22.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 75.7                             | 107.2                                  | 22.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 74.1                             | 106.7                                  | 21.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 72.4                             | 106.0                                  | 20.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 70.7                             | 105.4                                  | 18.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.4   |                                  |  |                | 73.0                             | 105.9                                  | 20.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 69.0                             | 104.6                                  | 17.5           | 71.6                             | 105.4                                  | 20.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 67.3                             | 103.8                                  | 16.0           | 69.9                             | 104.7                                  | 20.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 65.5                             | 102.9                                  | 14.7           | 68.2                             | 103.9                                  | 19.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 63.7                             | 101.9                                  | 13.6           | 66.5                             | 103.1                                  | 19.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 61.9                             | 100.9                                  | 12.7           | 64.7                             | 102.1                                  | 19.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 60.1                             | 99.7                                   | 11.9           | 62.9                             | 101.1                                  | 18.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 58.2                             | 98.5                                   | 11.1           | 61.1                             | 100.1                                  | 18.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.5   |                                  |  |                |                                  |  |                | 65.0                             | 101.2                                  | 18.5           |                                  |  |                |                                  |  |                |
| 44.0   | 56.3                             | 97.2                                   | 10.3           | 59.2                             | 98.9                                   | 16.9           | 63.7                             | 100.5                                  | 18.5           |                                  |  |                |                                  |  |                |
| 46.0   | 54.3                             | 95.8                                   | 9.7            | 57.3                             | 97.6                                   | 15.5           | 61.9                             | 99.5                                   | 17.9           |                                  |  |                |                                  |  |                |
| 48.0   | 52.3                             | 94.3                                   | 9.1            | 55.4                             | 96.3                                   | 14.2           | 60.0                             | 98.3                                   | 17.0           |                                  |  |                |                                  |  |                |
| 50.0   | 50.2                             | 92.7                                   | 8.6            | 53.4                             | 94.8                                   | 13.0           | 58.2                             | 97.1                                   | 16.3           |                                  |  |                |                                  |  |                |
| 55.0   | 44.8                             | 88.0                                   | 7.4            | 48.2                             | 90.7                                   | 10.9           | 53.3                             | 93.6                                   | 14.4           |                                  |  |                |                                  |  |                |
| 58.9   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 92.6                                   | 11.6           |                                  |  |                |
| 60.0   | 38.7                             | 82.3                                   | 6.3            | 42.5                             | 85.7                                   | 9.1            | 48.1                             | 89.5                                   | 13.1           | 54.1                             | 92.0                                   | 12.0           |                                  |  |                |
| 65.0   | 31.6                             | 75.1                                   | 5.5            | 36.2                             | 79.5                                   | 7.7            | 42.4                             | 84.4                                   | 11.8           | 48.9                             | 87.9                                   | 10.9           |                                  |  |                |
| 70.0   | 22.7                             | 65.2                                   | 4.8            | 28.6                             | 71.4                                   | 6.6            | 36.0                             | 78.2                                   | 10.8           | 43.3                             | 83.0                                   | 10.0           |                                  |  |                |
| 73.0   | 15.2                             | 56.2                                   | 4.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 75.0   |                                  |  |                | 18.3                             | 59.7                                   | 5.5            | 28.3                             | 70.1                                   | 9.3            | 37.0                             | 77.0                                   | 9.1            |                                  |  |                |
| 76.0   |                                  |  |                | 15.5                             | 56.3                                   | 5.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                | 17.9                             | 58.2                                   | 7.8            | 29.7                             | 69.3                                   | 8.3            |                                  |  |                |
| 81.0   |                                  |  |                |                                  |  |                | 15.0                             | 54.7                                   | 7.4            |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                | 19.2                             | 57.4                                   | 7.2            |                                  |  |                |
| 86.2   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 87.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.4                             | 52.9                                   | 6.7            | 35.0                             | 67.6                                   | 4.3            |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 30.2                             | 62.5                                   | 3.7            |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 20.7                             | 51.7                                   | 3.0            |
| 97.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.4                             | 45.4                                   | 2.7            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 74.5 m Plumín<br>40.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 19.9   | 78.0                             | 110.8                                  | 21.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 77.9                             | 110.8                                  | 21.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 76.3                             | 110.3                                  | 21.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 74.7                             | 109.8                                  | 20.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 73.1                             | 109.2                                  | 19.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 71.5                             | 108.5                                  | 18.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 29.3   |                                  |  |                | 73.0                             | 108.8                                  | 19.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 69.9                             | 107.8                                  | 17.0           | 72.4                             | 108.6                                  | 19.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 68.2                             | 107.0                                  | 15.9           | 70.8                             | 107.9                                  | 19.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 66.5                             | 106.2                                  | 14.6           | 69.1                             | 107.1                                  | 19.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 64.9                             | 105.3                                  | 13.5           | 67.5                             | 106.3                                  | 18.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 63.1                             | 104.3                                  | 12.5           | 65.8                             | 105.5                                  | 18.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 61.4                             | 103.2                                  | 11.7           | 64.1                             | 104.5                                  | 18.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 59.6                             | 102.0                                  | 10.9           | 62.4                             | 103.5                                  | 17.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 43.7   |                                  |  |                |                                  |  |                | 65.0                             | 103.9                                  | 17.4           |                                  |  |                |                                  |  |                |
| 44.0   | 57.8                             | 100.8                                  | 10.2           | 60.6                             | 102.4                                  | 17.2           | 64.8                             | 103.8                                  | 17.6           |                                  |  |                |                                  |  |                |
| 46.0   | 56.0                             | 99.5                                   | 9.5            | 58.8                             | 101.2                                  | 15.7           | 63.1                             | 102.9                                  | 17.6           |                                  |  |                |                                  |  |                |
| 48.0   | 54.1                             | 98.1                                   | 8.9            | 57.0                             | 99.9                                   | 14.4           | 61.4                             | 101.8                                  | 16.7           |                                  |  |                |                                  |  |                |
| 50.0   | 52.1                             | 96.5                                   | 8.3            | 55.1                             | 98.5                                   | 13.2           | 59.6                             | 100.6                                  | 16.0           |                                  |  |                |                                  |  |                |
| 55.0   | 47.1                             | 92.2                                   | 7.2            | 50.3                             | 94.7                                   | 10.9           | 55.0                             | 97.4                                   | 14.3           |                                  |  |                |                                  |  |                |
| 60.0   | 41.5                             | 87.0                                   | 6.1            | 45.0                             | 90.0                                   | 9.1            | 50.1                             | 93.5                                   | 12.9           |                                  |  |                |                                  |  |                |
| 60.7   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 95.1                                   | 11.0           |                                  |  |                |
| 65.0   | 35.3                             | 80.6                                   | 5.3            | 39.2                             | 84.4                                   | 7.6            | 44.9                             | 88.8                                   | 11.6           | 50.9                             | 91.9                                   | 10.7           |                                  |  |                |
| 70.0   | 27.8                             | 72.3                                   | 4.6            | 32.6                             | 77.4                                   | 6.5            | 39.1                             | 83.2                                   | 10.5           | 45.7                             | 87.3                                   | 9.8            |                                  |  |                |
| 75.0   | 17.7                             | 60.1                                   | 3.9            | 24.4                             | 68.0                                   | 5.5            | 32.4                             | 76.1                                   | 9.4            | 40.0                             | 81.9                                   | 8.9            |                                  |  |                |
| 76.0   | 15.8                             | 57.8                                   | 3.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 79.0   |                                  |  |                | 15.1                             | 56.7                                   | 4.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                | 24.2                             | 66.7                                   | 8.0            | 33.5                             | 75.1                                   | 8.1            |                                  |  |                |
| 84.0   |                                  |  |                |                                  |  |                | 15.7                             | 56.3                                   | 6.3            |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                | 25.6                             | 66.1                                   | 7.0            |                                  |  |                |
| 88.7   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 69.3                                   | 3.6            |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.1                             | 53.3                                   | 6.0            | 34.0                             | 68.2                                   | 3.5            |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 26.2                             | 59.4                                   | 2.7            |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.0                             | 45.8                                   | 2.1            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 77.5 m Plumín<br>43.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.5   | 78.0                             | 113.7                                  | 19.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 76.9                             | 113.4                                  | 19.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 75.3                             | 112.9                                  | 18.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 73.8                             | 112.3                                  | 18.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 72.2                             | 111.7                                  | 17.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 70.7                             | 111.0                                  | 16.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.1   |                                  |  |                | 73.0                             | 111.7                                  | 18.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 69.1                             | 110.3                                  | 15.6           | 71.5                             | 111.1                                  | 17.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 67.5                             | 109.5                                  | 14.4           | 70.0                             | 110.4                                  | 17.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 65.9                             | 108.6                                  | 13.2           | 68.4                             | 109.6                                  | 17.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 64.3                             | 107.6                                  | 12.2           | 66.8                             | 108.7                                  | 16.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 62.6                             | 106.6                                  | 11.4           | 65.2                             | 107.8                                  | 16.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 60.9                             | 105.5                                  | 10.7           | 63.5                             | 106.9                                  | 16.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 59.2                             | 104.3                                  | 9.9            | 61.8                             | 105.8                                  | 15.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 45.0   |                                  |  |                |                                  |  |                | 65.0                             | 106.7                                  | 15.7           |                                  |  |                |                                  |  |                |
| 46.0   | 57.5                             | 103.1                                  | 9.2            | 60.1                             | 104.7                                  | 15.2           | 64.2                             | 106.2                                  | 16.1           |                                  |  |                |                                  |  |                |
| 48.0   | 55.7                             | 101.8                                  | 8.6            | 58.4                             | 103.5                                  | 14.0           | 62.6                             | 105.2                                  | 15.9           |                                  |  |                |                                  |  |                |
| 50.0   | 53.9                             | 100.3                                  | 8.0            | 56.7                             | 102.2                                  | 12.9           | 60.9                             | 104.1                                  | 15.4           |                                  |  |                |                                  |  |                |
| 55.0   | 49.1                             | 96.3                                   | 6.9            | 52.1                             | 98.5                                   | 10.7           | 56.5                             | 101.0                                  | 14.0           |                                  |  |                |                                  |  |                |
| 60.0   | 44.0                             | 91.5                                   | 5.9            | 47.2                             | 94.2                                   | 9.0            | 52.0                             | 97.4                                   | 12.5           |                                  |  |                |                                  |  |                |
| 62.4   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 97.6                                   | 10.3           |                                  |  |                |
| 65.0   | 38.3                             | 85.7                                   | 5.0            | 41.9                             | 89.1                                   | 7.5            | 47.1                             | 93.0                                   | 11.3           | 52.7                             | 95.7                                   | 10.4           |                                  |  |                |
| 70.0   | 31.8                             | 78.4                                   | 4.3            | 36.0                             | 82.8                                   | 6.3            | 41.7                             | 87.9                                   | 10.2           | 47.9                             | 91.5                                   | 9.4            |                                  |  |                |
| 75.0   | 23.8                             | 68.8                                   | 3.7            | 29.0                             | 74.8                                   | 5.4            | 35.8                             | 81.5                                   | 9.4            | 42.6                             | 86.5                                   | 8.6            |                                  |  |                |
| 79.0   | 15.5                             | 58.2                                   | 2.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                | 19.9                             | 63.6                                   | 4.5            | 28.8                             | 73.5                                   | 8.1            | 36.8                             | 80.4                                   | 7.7            |                                  |  |                |
| 82.0   |                                  |  |                | 15.8                             | 58.3                                   | 3.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                | 19.6                             | 62.1                                   | 6.6            | 29.6                             | 72.2                                   | 6.6            |                                  |  |                |
| 87.0   |                                  |  |                |                                  |  |                | 15.4                             | 56.7                                   | 5.6            |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                | 22.0                             | 62.9                                   | 5.7            |                                  |  |                |
| 91.1   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 71.0                                   | 2.9            |
| 92.0   |                                  |  |                |                                  |  |                |                                  |  |                | 17.5                             | 57.2                                   | 5.3            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 30.4                             | 65.8                                   | 2.4            |
| 97.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 27.3                             | 62.1                                   | 2.1            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 80.5 m Plumín<br>34.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 21.1   | 78.0                             | 116.7                                  | 18.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 77.4                             | 116.5                                  | 18.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 75.9                             | 116.0                                  | 17.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 74.4                             | 115.5                                  | 17.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 72.9                             | 114.8                                  | 16.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 71.4                             | 114.2                                  | 15.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 31.0   |                                  |  |                | 73.0                             | 114.6                                  | 16.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 69.9                             | 113.5                                  | 15.0           | 72.3                             | 114.2                                  | 16.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 68.4                             | 112.7                                  | 14.3           | 70.8                             | 113.6                                  | 16.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 66.8                             | 111.9                                  | 13.1           | 69.2                             | 112.8                                  | 16.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 65.3                             | 111.0                                  | 12.1           | 67.7                             | 112.0                                  | 15.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 63.7                             | 110.0                                  | 11.2           | 66.1                             | 111.1                                  | 15.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 62.1                             | 108.9                                  | 10.5           | 64.6                             | 110.2                                  | 15.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 60.5                             | 107.8                                  | 9.8            | 63.0                             | 109.2                                  | 14.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 58.8                             | 106.6                                  | 9.1            | 61.4                             | 108.1                                  | 14.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.3   |                                  |  |                |                                  |  |                | 65.0                             | 109.4                                  | 15.0           |                                  |  |                |                                  |  |                |
| 48.0   | 57.1                             | 105.4                                  | 8.5            | 59.7                             | 107.0                                  | 13.6           | 63.7                             | 108.6                                  | 15.0           |                                  |  |                |                                  |  |                |
| 50.0   | 55.4                             | 104.0                                  | 7.9            | 58.1                             | 105.8                                  | 12.6           | 62.1                             | 107.5                                  | 14.8           |                                  |  |                |                                  |  |                |
| 55.0   | 50.9                             | 100.2                                  | 6.7            | 53.7                             | 102.3                                  | 10.6           | 57.9                             | 104.6                                  | 13.7           |                                  |  |                |                                  |  |                |
| 60.0   | 46.2                             | 95.7                                   | 5.7            | 49.2                             | 98.3                                   | 9.0            | 53.6                             | 101.1                                  | 12.2           |                                  |  |                |                                  |  |                |
| 64.1   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 100.0                                  | 9.7            |                                  |  |                |
| 65.0   | 41.0                             | 90.4                                   | 4.8            | 44.2                             | 93.5                                   | 7.5            | 49.0                             | 97.1                                   | 11.1           | 54.3                             | 99.5                                   | 10.0           |                                  |  |                |
| 70.0   | 35.1                             | 83.9                                   | 4.1            | 38.8                             | 87.8                                   | 6.3            | 44.1                             | 92.3                                   | 10.1           | 49.8                             | 95.5                                   | 9.2            |                                  |  |                |
| 75.0   | 28.3                             | 75.7                                   | 3.5            | 32.7                             | 80.7                                   | 5.3            | 38.7                             | 86.5                                   | 9.2            | 44.9                             | 90.8                                   | 8.4            |                                  |  |                |
| 80.0   | 19.3                             | 64.2                                   | 3.0            | 25.2                             | 71.5                                   | 4.4            | 32.5                             | 79.4                                   | 8.2            | 39.6                             | 85.2                                   | 7.6            |                                  |  |                |
| 82.0   | 15.2                             | 58.6                                   | 2.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                | 15.5                             | 58.7                                   | 3.3            | 25.0                             | 70.2                                   | 6.9            | 33.2                             | 78.0                                   | 6.5            |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                | 15.1                             | 57.1                                   | 5.1            | 26.9                             | 70.3                                   | 5.6            |                                  |  |                |
| 93.6   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 72.7                                   | 2.4            |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                | 17.2                             | 57.6                                   | 4.7            | 33.9                             | 71.5                                   | 2.3            |
| 96.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 32.6                             | 70.0                                   | 2.1            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 83.5 m Plumín<br>37.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 21.7   | 78.0                             | 119.6                                  | 16.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 77.8                             | 119.6                                  | 16.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 76.4                             | 119.1                                  | 16.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 75.0                             | 118.6                                  | 15.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 73.6                             | 118.0                                  | 15.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 72.1                             | 117.4                                  | 14.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 31.9   |                                  |  |                | 73.0                             | 117.4                                  | 15.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 70.7                             | 116.7                                  | 14.3           | 72.9                             | 117.4                                  | 15.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 69.2                             | 115.9                                  | 13.9           | 71.5                             | 116.7                                  | 15.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 67.7                             | 115.1                                  | 12.9           | 70.0                             | 116.0                                  | 15.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 66.2                             | 114.3                                  | 11.9           | 68.5                             | 115.2                                  | 14.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 64.7                             | 113.3                                  | 11.0           | 67.1                             | 114.4                                  | 14.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 63.2                             | 112.3                                  | 10.2           | 65.6                             | 113.5                                  | 14.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 61.6                             | 111.3                                  | 9.5            | 64.0                             | 112.6                                  | 13.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 60.1                             | 110.1                                  | 8.9            | 62.5                             | 111.5                                  | 13.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 47.6   |                                  |  |                |                                  |  |                | 65.0                             | 112.1                                  | 13.8           |                                  |  |                |                                  |  |                |
| 48.0   | 58.5                             | 108.9                                  | 8.2            | 60.9                             | 110.4                                  | 13.3           | 64.7                             | 111.9                                  | 13.8           |                                  |  |                |                                  |  |                |
| 50.0   | 56.8                             | 107.6                                  | 7.7            | 59.3                             | 109.3                                  | 12.4           | 63.2                             | 110.9                                  | 13.8           |                                  |  |                |                                  |  |                |
| 55.0   | 52.6                             | 104.1                                  | 6.4            | 55.2                             | 106.0                                  | 10.4           | 59.2                             | 108.1                                  | 13.1           |                                  |  |                |                                  |  |                |
| 60.0   | 48.1                             | 99.9                                   | 5.5            | 50.9                             | 102.2                                  | 8.9            | 55.1                             | 104.9                                  | 11.9           |                                  |  |                |                                  |  |                |
| 65.0   | 43.3                             | 94.9                                   | 4.6            | 46.3                             | 97.8                                   | 7.4            | 50.8                             | 101.0                                  | 10.8           |                                  |  |                |                                  |  |                |
| 65.8   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 102.5                                  | 9.1            |                                  |  |                |
| 70.0   | 38.0                             | 89.0                                   | 3.8            | 41.3                             | 92.5                                   | 6.1            | 46.2                             | 96.5                                   | 9.8            | 51.5                             | 99.4                                   | 9.0            |                                  |  |                |
| 75.0   | 31.9                             | 81.8                                   | 3.3            | 35.8                             | 86.1                                   | 5.0            | 41.2                             | 91.2                                   | 8.8            | 47.0                             | 95.0                                   | 8.2            |                                  |  |                |
| 80.0   | 24.6                             | 72.3                                   | 2.7            | 29.3                             | 78.2                                   | 4.2            | 35.6                             | 84.9                                   | 8.1            | 42.0                             | 89.9                                   | 7.3            |                                  |  |                |
| 84.0   | 16.7                             | 61.5                                   | 2.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                | 21.2                             | 67.4                                   | 3.5            | 29.2                             | 76.9                                   | 6.9            | 36.3                             | 83.4                                   | 6.2            |                                  |  |                |
| 88.0   |                                  |  |                | 15.2                             | 59.1                                   | 2.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                | 20.9                             | 66.0                                   | 5.6            | 30.7                             | 76.6                                   | 5.3            |                                  |  |                |
| 92.0   |                                  |  |                |                                  |  |                | 16.6                             | 59.9                                   | 5.1            |                                  |  |                |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                | 23.0                             | 66.5                                   | 4.4            |                                  |  |                |
| 98.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.9                             | 58.1                                   | 3.9            |                                  |  |                |



## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 86.5 m Plumín<br>40.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.4   | 78.0                             | 122.6                                  | 15.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 76.9                             | 122.2                                  | 15.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 75.5                             | 121.7                                  | 14.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 74.1                             | 121.1                                  | 14.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 72.8                             | 120.5                                  | 14.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 71.4                             | 119.8                                  | 13.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.8   |                                  |  |                | 73.0                             | 120.3                                  | 14.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 70.0                             | 119.1                                  | 13.3           | 72.1                             | 119.9                                  | 14.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 68.5                             | 118.4                                  | 12.8           | 70.7                             | 119.2                                  | 14.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 67.1                             | 117.5                                  | 11.8           | 69.3                             | 118.5                                  | 13.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 65.7                             | 116.6                                  | 10.8           | 67.9                             | 117.7                                  | 13.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 64.2                             | 115.7                                  | 10.0           | 66.5                             | 116.8                                  | 13.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 62.7                             | 114.7                                  | 9.3            | 65.0                             | 115.9                                  | 13.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 61.2                             | 113.6                                  | 8.8            | 63.5                             | 114.9                                  | 12.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 59.7                             | 112.4                                  | 8.1            | 62.0                             | 113.9                                  | 12.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.8   |                                  |  |                |                                  |  |                | 65.0                             | 114.8                                  | 12.3           |                                  |  |                |                                  |  |                |
| 50.0   | 58.1                             | 111.2                                  | 7.5            | 60.5                             | 112.8                                  | 12.3           | 64.2                             | 114.3                                  | 12.8           |                                  |  |                |                                  |  |                |
| 55.0   | 54.1                             | 107.8                                  | 6.3            | 56.6                             | 109.7                                  | 10.3           | 60.4                             | 111.6                                  | 12.5           |                                  |  |                |                                  |  |                |
| 60.0   | 49.9                             | 103.9                                  | 5.3            | 52.5                             | 106.1                                  | 8.8            | 56.5                             | 108.5                                  | 11.7           |                                  |  |                |                                  |  |                |
| 65.0   | 45.4                             | 99.2                                   | 4.4            | 48.2                             | 101.9                                  | 7.5            | 52.4                             | 104.9                                  | 10.5           |                                  |  |                |                                  |  |                |
| 67.6   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 104.9                                  | 8.6            |                                  |  |                |
| 70.0   | 40.5                             | 93.8                                   | 3.7            | 43.6                             | 96.9                                   | 6.1            | 48.1                             | 100.7                                  | 9.6            | 53.1                             | 103.2                                  | 8.8            |                                  |  |                |
| 75.0   | 35.0                             | 87.2                                   | 3.0            | 38.5                             | 91.1                                   | 4.9            | 43.4                             | 95.7                                   | 8.7            | 48.8                             | 99.1                                   | 8.0            |                                  |  |                |
| 80.0   | 28.7                             | 79.1                                   | 2.5            | 32.7                             | 84.1                                   | 4.1            | 38.3                             | 89.9                                   | 7.9            | 44.0                             | 94.1                                   | 7.0            |                                  |  |                |
| 85.0   |                                  |  |                | 25.5                             | 74.4                                   | 3.3            | 32.6                             | 82.8                                   | 7.0            | 39.5                             | 89.0                                   | 5.9            |                                  |  |                |
| 90.0   |                                  |  |                | 16.6                             | 61.9                                   | 2.6            | 25.7                             | 73.7                                   | 5.8            | 33.9                             | 82.2                                   | 5.0            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                | 16.3                             | 60.4                                   | 4.5            | 27.4                             | 73.7                                   | 4.2            |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                | 18.8                             | 61.7                                   | 3.4            |                                  |  |                |
| 101.0  |                                  |  |                |                                  |  |                |                                  |  |                | 16.6                             | 58.5                                   | 3.2            |                                  |  |                |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 89.5 m Plumín<br>43.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 23.0   | 78.0                             | 125.5                                  | 13.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 77.4                             | 125.3                                  | 13.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 76.0                             | 124.8                                  | 13.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 74.7                             | 124.2                                  | 12.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 73.4                             | 123.7                                  | 12.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 72.0                             | 123.0                                  | 12.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 33.7   |                                  |  |                | 73.0                             | 123.2                                  | 12.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 70.7                             | 122.3                                  | 12.0           | 72.8                             | 123.1                                  | 12.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 69.3                             | 121.6                                  | 11.7           | 71.4                             | 122.4                                  | 12.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 67.9                             | 120.8                                  | 11.0           | 70.0                             | 121.7                                  | 12.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 66.5                             | 119.9                                  | 10.1           | 68.7                             | 120.9                                  | 11.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 65.1                             | 119.0                                  | 9.3            | 67.3                             | 120.1                                  | 11.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 63.7                             | 118.0                                  | 8.7            | 65.9                             | 119.2                                  | 11.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 62.2                             | 117.0                                  | 8.1            | 64.4                             | 118.2                                  | 11.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 60.7                             | 115.9                                  | 7.6            | 63.0                             | 117.2                                  | 10.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0   | 59.2                             | 114.7                                  | 7.0            | 61.5                             | 116.2                                  | 10.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.1   |                                  |  |                |                                  |  |                | 65.0                             | 117.5                                  | 11.1           |                                  |  |                |                                  |  |                |
| 55.0   | 55.4                             | 111.4                                  | 5.8            | 57.8                             | 113.2                                  | 9.4            | 61.4                             | 115.0                                  | 10.8           |                                  |  |                |                                  |  |                |
| 60.0   | 51.4                             | 107.6                                  | 4.8            | 53.9                             | 109.7                                  | 8.1            | 57.7                             | 112.0                                  | 10.4           |                                  |  |                |                                  |  |                |
| 65.0   | 47.1                             | 103.2                                  | 4.0            | 49.8                             | 105.7                                  | 7.1            | 53.8                             | 108.5                                  | 9.5            |                                  |  |                |                                  |  |                |
| 69.3   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 107.4                                  | 7.9            |                                  |  |                |
| 70.0   | 42.5                             | 98.1                                   | 3.3            | 45.4                             | 101.1                                  | 5.8            | 49.7                             | 104.5                                  | 8.9            | 54.4                             | 106.9                                  | 7.9            |                                  |  |                |
| 75.0   | 37.5                             | 92.1                                   | 2.7            | 40.7                             | 95.6                                   | 4.7            | 45.3                             | 99.9                                   | 8.1            | 50.3                             | 102.9                                  | 7.4            |                                  |  |                |
| 80.0   | 31.7                             | 84.7                                   | 2.2            | 35.4                             | 89.1                                   | 3.8            | 40.5                             | 94.4                                   | 7.4            | 46.0                             | 98.4                                   | 6.6            |                                  |  |                |
| 85.0   |                                  |  |                | 29.3                             | 81.1                                   | 3.1            | 35.2                             | 87.8                                   | 6.7            | 41.8                             | 93.7                                   | 5.6            |                                  |  |                |
| 90.0   |                                  |  |                | 21.7                             | 70.4                                   | 2.4            | 29.1                             | 79.7                                   | 5.6            | 36.7                             | 87.5                                   | 4.7            |                                  |  |                |
| 92.0   |                                  |  |                | 17.9                             | 64.7                                   | 2.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                | 21.5                             | 68.9                                   | 4.4            | 30.9                             | 79.9                                   | 3.8            |                                  |  |                |
| 98.0   |                                  |  |                |                                  |  |                | 15.3                             | 59.7                                   | 3.7            |                                  |  |                |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                | 23.9                             | 70.1                                   | 3.1            |                                  |  |                |
| 104.0  |                                  |  |                |                                  |  |                |                                  |  |                | 16.3                             | 58.9                                   | 2.5            |                                  |  |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 92.5 m Plumín<br>46.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 23.7   | 78.0                             | 128.4                                  | 12.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 77.8                             | 128.3                                  | 12.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 76.5                             | 127.9                                  | 12.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 75.2                             | 127.4                                  | 12.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 73.9                             | 126.8                                  | 11.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 72.6                             | 126.2                                  | 11.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 71.3                             | 125.5                                  | 11.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.5   |                                  |  |                | 73.0                             | 126.0                                  | 11.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 70.0                             | 124.8                                  | 11.0           | 72.0                             | 125.6                                  | 11.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 68.7                             | 124.0                                  | 10.7           | 70.7                             | 124.9                                  | 11.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 67.3                             | 123.2                                  | 9.9            | 69.4                             | 124.1                                  | 11.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 66.0                             | 122.3                                  | 9.1            | 68.1                             | 123.3                                  | 10.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 64.6                             | 121.4                                  | 8.4            | 66.7                             | 122.5                                  | 10.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 63.2                             | 120.4                                  | 7.9            | 65.3                             | 121.6                                  | 10.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 61.8                             | 119.3                                  | 7.4            | 64.0                             | 120.6                                  | 10.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0   | 60.4                             | 118.2                                  | 6.9            | 62.6                             | 119.6                                  | 9.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 51.4   |                                  |  |                |                                  |  |                | 65.0                             | 120.3                                  | 10.0           |                                  |  |                |                                  |  |                |
| 55.0   | 56.7                             | 115.1                                  | 5.6            | 59.0                             | 116.7                                  | 8.9            | 62.5                             | 118.4                                  | 9.9            |                                  |  |                |                                  |  |                |
| 60.0   | 52.9                             | 111.5                                  | 4.7            | 55.3                             | 113.4                                  | 7.8            | 58.9                             | 115.6                                  | 9.4            |                                  |  |                |                                  |  |                |
| 65.0   | 48.8                             | 107.3                                  | 3.9            | 51.4                             | 109.6                                  | 7.0            | 55.2                             | 112.3                                  | 8.9            |                                  |  |                |                                  |  |                |
| 70.0   | 44.5                             | 102.5                                  | 3.1            | 47.2                             | 105.3                                  | 5.8            | 51.2                             | 108.5                                  | 8.5            |                                  |  |                |                                  |  |                |
| 71.0   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 109.8                                  | 7.5            |                                  |  |                |
| 75.0   | 39.9                             | 96.9                                   | 2.5            | 42.8                             | 100.2                                  | 4.6            | 47.1                             | 104.1                                  | 7.9            | 51.9                             | 106.8                                  | 7.2            |                                  |  |                |
| 80.0   |                                  |  |                | 38.0                             | 94.2                                   | 3.7            | 42.7                             | 99.0                                   | 7.1            | 47.8                             | 102.5                                  | 6.4            |                                  |  |                |
| 85.0   |                                  |  |                | 32.5                             | 87.0                                   | 3.0            | 37.8                             | 92.9                                   | 6.5            | 43.9                             | 98.1                                   | 5.4            |                                  |  |                |
| 90.0   |                                  |  |                | 26.1                             | 77.9                                   | 2.3            | 32.4                             | 85.7                                   | 5.7            | 39.2                             | 92.4                                   | 4.5            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                | 25.9                             | 76.5                                   | 4.6            | 33.9                             | 85.5                                   | 3.7            |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                | 17.3                             | 63.6                                   | 3.4            | 27.8                             | 77.1                                   | 2.9            |                                  |  |                |
| 101.0  |                                  |  |                |                                  |  |                | 16.5                             | 62.4                                   | 3.1            |                                  |  |                |                                  |  |                |
| 105.0  |                                  |  |                |                                  |  |                |                                  |  |                | 20.1                             | 65.6                                   | 2.2            |                                  |  |                |
| 106.0  |                                  |  |                |                                  |  |                |                                  |  |                | 18.2                             | 62.7                                   | 2.0            |                                  |  |                |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 95.5 m Plumín<br>49.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.3   | 78.0                             | 131.4                                  | 11.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 76.9                             | 131.0                                  | 11.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 75.7                             | 130.5                                  | 11.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 74.5                             | 129.9                                  | 10.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 73.2                             | 129.3                                  | 10.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 71.9                             | 128.7                                  | 10.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 35.4   |                                  |  |                | 73.0                             | 128.9                                  | 10.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 70.7                             | 128.0                                  | 10.1           | 72.6                             | 128.7                                  | 10.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 69.4                             | 127.2                                  | 9.9            | 71.4                             | 128.0                                  | 10.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 68.1                             | 126.4                                  | 9.4            | 70.1                             | 127.3                                  | 10.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 66.8                             | 125.6                                  | 8.7            | 68.8                             | 126.6                                  | 9.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 65.4                             | 124.7                                  | 8.1            | 67.5                             | 125.7                                  | 9.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 64.1                             | 123.7                                  | 7.5            | 66.2                             | 124.9                                  | 9.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 62.7                             | 122.7                                  | 7.0            | 64.8                             | 123.9                                  | 9.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0   | 61.4                             | 121.6                                  | 6.6            | 63.5                             | 123.0                                  | 9.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 52.6   |                                  |  |                |                                  |  |                | 65.0                             | 123.0                                  | 9.1            |                                  |  |                |                                  |  |                |
| 55.0   | 57.9                             | 118.6                                  | 5.4            | 60.1                             | 120.2                                  | 8.5            | 63.4                             | 121.8                                  | 9.1            |                                  |  |                |                                  |  |                |
| 60.0   | 54.2                             | 115.2                                  | 4.4            | 56.5                             | 117.1                                  | 7.4            | 60.0                             | 119.1                                  | 8.7            |                                  |  |                |                                  |  |                |
| 65.0   | 50.4                             | 111.3                                  | 3.6            | 52.8                             | 113.5                                  | 6.6            | 56.4                             | 115.9                                  | 8.3            |                                  |  |                |                                  |  |                |
| 70.0   | 46.3                             | 106.8                                  | 2.9            | 48.9                             | 109.3                                  | 5.7            | 52.7                             | 112.3                                  | 7.9            |                                  |  |                |                                  |  |                |
| 72.7   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 112.3                                  | 6.9            |                                  |  |                |
| 75.0   | 42.0                             | 101.5                                  | 2.2            | 44.7                             | 104.5                                  | 4.6            | 48.8                             | 108.1                                  | 7.6            | 53.3                             | 110.6                                  | 6.9            |                                  |  |                |
| 80.0   |                                  |  |                | 40.2                             | 99.0                                   | 3.5            | 44.6                             | 103.3                                  | 6.9            | 49.4                             | 106.6                                  | 6.1            |                                  |  |                |
| 85.0   |                                  |  |                | 35.3                             | 92.4                                   | 2.7            | 40.1                             | 97.8                                   | 6.2            | 45.7                             | 102.4                                  | 5.1            |                                  |  |                |
| 90.0   |                                  |  |                | 29.6                             | 84.4                                   | 2.1            | 35.1                             | 91.2                                   | 5.7            | 41.3                             | 97.0                                   | 4.2            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                | 29.4                             | 83.1                                   | 4.6            | 36.5                             | 90.8                                   | 3.3            |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                | 22.4                             | 72.6                                   | 3.5            | 31.1                             | 83.2                                   | 2.6            |                                  |  |                |
| 104.0  |                                  |  |                |                                  |  |                | 16.2                             | 62.8                                   | 2.6            | 26.0                             | 75.8                                   | 2.0            |                                  |  |                |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 98.5 m Plumín<br>52.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.9   | 78.0                             | 134.3                                  | 10.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 77.4                             | 134.0                                  | 10.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 76.2                             | 133.6                                  | 10.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 74.9                             | 133.0                                  | 10.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 73.7                             | 132.5                                  | 9.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 72.5                             | 131.8                                  | 9.6            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 71.3                             | 131.2                                  | 9.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.3   |                                  |  |                | 73.0                             | 131.8                                  | 9.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 70.0                             | 130.4                                  | 9.2            | 71.9                             | 131.2                                  | 9.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 68.8                             | 129.7                                  | 9.0            | 70.7                             | 130.5                                  | 9.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 67.5                             | 128.9                                  | 8.3            | 69.5                             | 129.8                                  | 9.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 66.2                             | 128.0                                  | 7.7            | 68.2                             | 129.0                                  | 9.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 65.0                             | 127.1                                  | 7.2            | 66.9                             | 128.1                                  | 8.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 63.7                             | 126.1                                  | 6.8            | 65.7                             | 127.3                                  | 8.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0   | 62.3                             | 125.0                                  | 6.4            | 64.4                             | 126.3                                  | 8.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 53.9   |                                  |  |                |                                  |  |                | 65.0                             | 125.7                                  | 8.3            |                                  |  |                |                                  |  |                |
| 55.0   | 59.0                             | 122.2                                  | 5.3            | 61.1                             | 123.7                                  | 8.1            | 64.3                             | 125.2                                  | 8.3            |                                  |  |                |                                  |  |                |
| 60.0   | 55.5                             | 118.9                                  | 4.2            | 57.7                             | 120.7                                  | 7.2            | 61.0                             | 122.5                                  | 8.1            |                                  |  |                |                                  |  |                |
| 65.0   | 51.8                             | 115.2                                  | 3.4            | 54.1                             | 117.2                                  | 6.4            | 57.6                             | 119.5                                  | 7.8            |                                  |  |                |                                  |  |                |
| 70.0   | 48.0                             | 110.9                                  | 2.7            | 50.4                             | 113.3                                  | 5.7            | 54.0                             | 116.0                                  | 7.5            |                                  |  |                |                                  |  |                |
| 74.4   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 114.8                                  | 6.5            |                                  |  |                |
| 75.0   |                                  |  |                | 46.5                             | 108.8                                  | 4.6            | 50.3                             | 112.1                                  | 7.3            | 54.6                             | 114.3                                  | 6.5            |                                  |  |                |
| 80.0   |                                  |  |                | 42.3                             | 103.6                                  | 3.5            | 46.4                             | 107.6                                  | 6.7            | 50.9                             | 110.5                                  | 5.8            |                                  |  |                |
| 85.0   |                                  |  |                | 37.7                             | 97.5                                   | 2.6            | 42.2                             | 102.4                                  | 6.1            | 47.4                             | 106.5                                  | 4.8            |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                | 37.6                             | 96.3                                   | 5.5            | 43.3                             | 101.5                                  | 3.9            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                | 33.1                             | 89.9                                   | 4.5            | 38.8                             | 95.7                                   | 3.1            |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                | 26.4                             | 80.0                                   | 3.7            | 33.9                             | 88.9                                   | 2.3            |                                  |  |                |
| 102.0  |                                  |  |                |                                  |  |                |                                  |  |                | 31.7                             | 85.7                                   | 2.0            |                                  |  |                |
| 105.0  |                                  |  |                |                                  |  |                | 18.7                             | 67.7                                   | 2.6            |                                  |  |                |                                  |  |                |
| 107.0  |                                  |  |                |                                  |  |                | 15.9                             | 63.2                                   | 2.1            |                                  |  |                |                                  |  |                |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]   | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|---|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 101.5 m Plumín<br>55.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 25.5  | 78.0                             | 137.2                                  | 9.6            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0  | 77.7                             | 137.1                                  | 9.6            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0  | 76.6                             | 136.7                                  | 9.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0  | 75.4                             | 136.1                                  | 9.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0  | 74.2                             | 135.6                                  | 9.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0  | 73.0                             | 135.0                                  | 8.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0  | 71.8                             | 134.3                                  | 8.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 37.2  |                                  |  |                | 73.0                             | 134.6                                  | 8.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0  | 70.6                             | 133.6                                  | 8.5            | 72.5                             | 134.4                                  | 8.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0  | 69.4                             | 132.9                                  | 8.3            | 71.3                             | 133.7                                  | 8.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0  | 68.2                             | 132.1                                  | 8.0            | 70.1                             | 133.0                                  | 8.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0  | 67.0                             | 131.3                                  | 7.4            | 68.9                             | 132.2                                  | 8.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0  | 65.7                             | 130.4                                  | 6.9            | 67.7                             | 131.4                                  | 8.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0  | 64.5                             | 129.4                                  | 6.4            | 66.4                             | 130.5                                  | 8.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0  | 63.2                             | 128.4                                  | 6.0            | 65.2                             | 129.6                                  | 7.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.0  | 60.0                             | 125.7                                  | 5.0            | 62.0                             | 127.1                                  | 7.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.2  |                                  |  |                |                                  |  |                | 65.0                             | 128.4                                  | 7.6            |                                  |  |                |                                  |  |                |
| 60.0  | 56.6                             | 122.5                                  | 4.0            | 58.7                             | 124.2                                  | 6.8            | 61.9                             | 126.0                                  | 7.5            |                                  |  |                |                                  |  |                |
| 65.0  | 53.2                             | 119.0                                  | 3.2            | 55.3                             | 120.9                                  | 6.0            | 58.6                             | 123.1                                  | 7.2            |                                  |  |                |                                  |  |                |
| 70.0  | 49.5                             | 114.9                                  | 2.5            | 51.8                             | 117.2                                  | 5.4            | 55.3                             | 119.7                                  | 6.9            |                                  |  |                |                                  |  |                |
| 75.0  |                                  |  |                | 48.1                             | 112.9                                  | 4.5            | 51.7                             | 116.0                                  | 6.7            |                                  |  |                |                                  |  |                |
| 76.2  |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 117.2                                  | 6.0            |                                  |  |                |
| 80.0  |                                  |  |                | 44.1                             | 108.0                                  | 3.4            | 48.0                             | 111.7                                  | 6.3            | 52.3                             | 114.3                                  | 5.4            |                                  |  |                |
| 85.0  |                                  |  |                | 39.9                             | 102.4                                  | 2.5            | 44.0                             | 106.8                                  | 5.7            | 49.0                             | 110.6                                  | 4.5            |                                  |  |                |
| 87.0  |                                  |  |                | 38.0                             | 99.9                                   | 2.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0  |                                  |  |                |                                  |  |                | 39.7                             | 101.1                                  | 5.1            | 45.1                             | 105.9                                  | 3.6            |                                  |  |                |
| 95.0  |                                  |  |                |                                  |  |                | 35.6                             | 95.3                                   | 4.3            | 40.9                             | 100.4                                  | 2.7            |                                  |  |                |
| 99.0  |                                  |  |                |                                  |  |                |                                  |  |                | 37.3                             | 95.5                                   | 2.1            |                                  |  |                |
| 100.0   |                                  |  |                |                                  |  |                | 30.4                             | 87.5                                   | 3.5            |                                  |  |                |                                  |  |                |
| 105.0   |                                  |  |                |                                  |  |                | 24.1                             | 77.6                                   | 2.6            |                                  |  |                |                                  |  |                |
| 108.0   |                                  |  |                |                                  |  |                | 19.5                             | 70.0                                   | 2.0            |                                  |  |                |                                  |  |                |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]   | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|---|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 104.5 m Plumín<br>46.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.2  | 78.0                             | 140.2                                  | 9.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0  | 77.0                             | 139.7                                  | 9.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0  | 75.8                             | 139.2                                  | 8.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0  | 74.7                             | 138.7                                  | 8.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0  | 73.5                             | 138.1                                  | 8.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0  | 72.4                             | 137.5                                  | 8.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0  | 71.2                             | 136.8                                  | 8.0            | 73.0                             | 137.5                                  | 8.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0  | 70.1                             | 136.1                                  | 7.8            | 71.9                             | 136.9                                  | 8.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0  | 68.9                             | 135.3                                  | 7.7            | 70.7                             | 136.2                                  | 8.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0  | 67.7                             | 134.5                                  | 7.1            | 69.5                             | 135.4                                  | 7.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0  | 66.5                             | 133.7                                  | 6.6            | 68.3                             | 134.7                                  | 7.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0  | 65.3                             | 132.8                                  | 6.2            | 67.2                             | 133.8                                  | 7.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0  | 64.1                             | 131.8                                  | 5.8            | 65.9                             | 132.9                                  | 7.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.0  | 60.9                             | 129.1                                  | 4.9            | 62.9                             | 130.5                                  | 7.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 56.4  |                                  |  |                |                                  |  |                | 65.0                             | 131.1                                  | 7.0            |                                  |  |                |                                  |  |                |
| 60.0  | 57.7                             | 126.1                                  | 3.9            | 59.7                             | 127.7                                  | 6.5            | 62.8                             | 129.4                                  | 7.0            |                                  |  |                |                                  |  |                |
| 65.0  | 54.4                             | 122.7                                  | 3.0            | 56.5                             | 124.6                                  | 5.7            | 59.7                             | 126.6                                  | 6.7            |                                  |  |                |                                  |  |                |
| 70.0  | 50.9                             | 118.8                                  | 2.3            | 53.1                             | 121.0                                  | 5.1            | 56.4                             | 123.4                                  | 6.4            |                                  |  |                |                                  |  |                |
| 75.0  |                                  |  |                | 49.6                             | 116.9                                  | 4.4            | 53.0                             | 119.8                                  | 6.2            |                                  |  |                |                                  |  |                |
| 77.9  |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 119.7                                  | 5.5            |                                  |  |                |
| 80.0  |                                  |  |                | 45.8                             | 112.3                                  | 3.4            | 49.5                             | 115.7                                  | 6.0            | 53.6                             | 118.1                                  | 5.3            |                                  |  |                |
| 85.0  |                                  |  |                | 41.8                             | 107.0                                  | 2.5            | 45.7                             | 111.1                                  | 5.5            | 50.4                             | 114.5                                  | 4.3            |                                  |  |                |
| 87.0  |                                  |  |                | 40.6                             | 105.3                                  | 2.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0  |                                  |  |                |                                  |  |                | 41.7                             | 105.8                                  | 5.0            | 46.7                             | 110.1                                  | 3.4            |                                  |  |                |
| 95.0  |                                  |  |                |                                  |  |                | 37.8                             | 100.3                                  | 4.1            | 42.8                             | 105.0                                  | 2.6            |                                  |  |                |
| 98.0  |                                  |  |                |                                  |  |                |                                  |  |                | 40.3                             | 101.5                                  | 2.1            |                                  |  |                |
| 100.0   |                                  |  |                |                                  |  |                | 33.1                             | 93.2                                   | 3.3            |                                  |  |                |                                  |  |                |
| 105.0   |                                  |  |                |                                  |  |                | 27.6                             | 84.6                                   | 2.6            |                                  |  |                |                                  |  |                |
| 108.0   |                                  |  |                |                                  |  |                | 23.8                             | 78.3                                   | 2.1            |                                  |  |                |                                  |  |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]   | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|---|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 107.5 m Plumín<br>49.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.8  | 78.0                             | 143.1                                  | 8.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0  | 77.3                             | 142.8                                  | 8.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0  | 76.2                             | 142.3                                  | 7.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0  | 75.1                             | 141.8                                  | 7.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0  | 74.0                             | 141.2                                  | 7.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0  | 72.9                             | 140.6                                  | 7.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0  | 71.8                             | 140.0                                  | 7.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.9  |                                  |  |                | 73.0                             | 140.4                                  | 7.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0  | 70.6                             | 139.3                                  | 7.0            | 72.4                             | 140.0                                  | 7.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0  | 69.5                             | 138.6                                  | 6.9            | 71.3                             | 139.4                                  | 7.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0  | 68.3                             | 137.8                                  | 6.6            | 70.1                             | 138.6                                  | 7.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0  | 67.2                             | 136.9                                  | 6.1            | 69.0                             | 137.9                                  | 6.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0  | 66.0                             | 136.1                                  | 5.7            | 67.8                             | 137.1                                  | 6.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0  | 64.8                             | 135.1                                  | 5.3            | 66.7                             | 136.2                                  | 6.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.0  | 61.8                             | 132.6                                  | 4.5            | 63.7                             | 133.9                                  | 6.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 57.7  |                                  |  |                |                                  |  |                | 65.0                             | 133.9                                  | 6.1            |                                  |  |                |                                  |  |                |
| 60.0  | 58.7                             | 129.7                                  | 3.6            | 60.7                             | 131.2                                  | 5.9            | 63.6                             | 132.7                                  | 6.1            |                                  |  |                |                                  |  |                |
| 65.0  | 55.5                             | 126.4                                  | 2.7            | 57.5                             | 128.1                                  | 5.3            | 60.6                             | 130.0                                  | 5.9            |                                  |  |                |                                  |  |                |
| 70.0  |                                  |  |                | 54.3                             | 124.7                                  | 4.8            | 57.5                             | 127.0                                  | 5.7            |                                  |  |                |                                  |  |                |
| 75.0  |                                  |  |                | 50.9                             | 120.8                                  | 4.4            | 54.2                             | 123.5                                  | 5.4            |                                  |  |                |                                  |  |                |
| 79.6  |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 122.1                                  | 4.9            |                                  |  |                |
| 80.0  |                                  |  |                | 47.4                             | 116.4                                  | 3.3            | 50.8                             | 119.6                                  | 5.3            | 54.7                             | 121.8                                  | 4.9            |                                  |  |                |
| 85.0  |                                  |  |                | 43.6                             | 111.5                                  | 2.4            | 47.3                             | 115.2                                  | 4.9            | 51.7                             | 118.4                                  | 4.0            |                                  |  |                |
| 90.0  |                                  |  |                |                                  |  |                | 43.5                             | 110.2                                  | 4.4            | 48.2                             | 114.2                                  | 3.1            |                                  |  |                |
| 95.0  |                                  |  |                |                                  |  |                | 39.4                             | 104.5                                  | 3.8            | 44.5                             | 109.3                                  | 2.3            |                                  |  |                |
| 96.0  |                                  |  |                |                                  |  |                |                                  |  |                | 43.7                             | 108.3                                  | 2.1            |                                  |  |                |
| 100.0   |                                  |  |                |                                  |  |                | 35.5                             | 98.6                                   | 3.0            |                                  |  |                |                                  |  |                |
| 105.0   |                                  |  |                |                                  |  |                | 30.5                             | 90.8                                   | 2.3            |                                  |  |                |                                  |  |                |
| 106.0   |                                  |  |                |                                  |  |                | 29.5                             | 89.1                                   | 2.1            |                                  |  |                |                                  |  |                |



## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]   | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|---|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (2316-1) 110.5 m Plumín<br>52.0 [ m ] Posición midfall (2316) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 27.4  | 78.0                             | 146.0                                  | 7.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0  | 77.7                             | 145.9                                  | 7.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0  | 76.6                             | 145.4                                  | 7.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0  | 75.5                             | 144.9                                  | 7.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0  | 74.5                             | 144.4                                  | 6.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0  | 73.4                             | 143.8                                  | 6.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0  | 72.3                             | 143.2                                  | 6.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 39.8  |                                  |  |                | 73.0                             | 143.2                                  | 6.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0  | 71.2                             | 142.5                                  | 6.3            | 72.9                             | 143.2                                  | 6.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0  | 70.1                             | 141.8                                  | 6.2            | 71.8                             | 142.5                                  | 6.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0  | 69.0                             | 141.0                                  | 6.1            | 70.7                             | 141.8                                  | 6.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0  | 67.8                             | 140.2                                  | 5.7            | 69.6                             | 141.1                                  | 6.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0  | 66.7                             | 139.3                                  | 5.3            | 68.5                             | 140.3                                  | 6.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 50.0  | 65.6                             | 138.4                                  | 4.9            | 67.3                             | 139.5                                  | 5.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.0  | 62.7                             | 136.0                                  | 4.2            | 64.5                             | 137.2                                  | 5.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 59.0  |                                  |  |                |                                  |  |                | 65.0                             | 136.6                                  | 5.4            |                                  |  |                |                                  |  |                |
| 60.0  | 59.7                             | 133.2                                  | 3.4            | 61.5                             | 134.6                                  | 5.3            | 64.4                             | 136.1                                  | 5.4            |                                  |  |                |                                  |  |                |
| 65.0  | 56.6                             | 130.0                                  | 2.5            | 58.5                             | 131.7                                  | 4.8            | 61.5                             | 133.5                                  | 5.2            |                                  |  |                |                                  |  |                |
| 70.0  |                                  |  |                | 55.4                             | 128.4                                  | 4.4            | 58.5                             | 130.5                                  | 5.0            |                                  |  |                |                                  |  |                |
| 75.0  |                                  |  |                | 52.2                             | 124.7                                  | 4.1            | 55.3                             | 127.2                                  | 4.8            |                                  |  |                |                                  |  |                |
| 80.0  |                                  |  |                | 48.8                             | 120.5                                  | 3.4            | 52.1                             | 123.5                                  | 4.6            |                                  |  |                |                                  |  |                |
| 81.3  |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 124.6                                  | 4.4            |                                  |  |                |
| 85.0  |                                  |  |                | 45.2                             | 115.8                                  | 2.4            | 48.7                             | 119.3                                  | 4.4            | 52.9                             | 122.2                                  | 3.7            |                                  |  |                |
| 90.0  |                                  |  |                |                                  |  |                | 45.1                             | 114.6                                  | 4.0            | 49.6                             | 118.2                                  | 2.8            |                                  |  |                |
| 94.0  |                                  |  |                |                                  |  |                |                                  |  |                | 46.8                             | 114.5                                  | 2.1            |                                  |  |                |
| 95.0  |                                  |  |                |                                  |  |                | 41.3                             | 109.2                                  | 3.5            |                                  |  |                |                                  |  |                |
| 100.0   |                                  |  |                |                                  |  |                | 37.6                             | 103.7                                  | 2.8            |                                  |  |                |                                  |  |                |
| 105.0   |                                  |  |                |                                  |  |                | 33.1                             | 96.6                                   | 2.0            |                                  |  |                |                                  |  |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 32.5 m Plumín<br>13.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 11.1   | 78.0                             | 69.7                                   | 43.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 12.0   | 76.4                             | 69.5                                   | 43.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 13.0   | 74.6                             | 69.2                                   | 41.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.0   | 72.8                             | 68.9                                   | 39.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 69.0                             | 68.2                                   | 36.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 17.0   |                                  |  |                | 73.0                             | 68.7                                   | 37.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 65.2                             | 67.3                                   | 33.2           | 71.1                             | 68.3                                   | 37.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 61.2                             | 66.3                                   | 31.0           | 67.3                             | 67.5                                   | 34.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 57.0                             | 65.0                                   | 28.6           | 63.4                             | 66.5                                   | 31.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 52.6                             | 63.6                                   | 26.7           | 59.3                             | 65.4                                   | 29.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 48.0                             | 61.8                                   | 25.0           | 55.1                             | 64.1                                   | 28.0           | 65.0                             | 65.9                                   | 31.8           |                                  |  |                |                                  |  |                |
| 28.0   | 43.0                             | 59.8                                   | 23.1           | 50.6                             | 62.5                                   | 26.6           | 61.1                             | 64.8                                   | 30.7           |                                  |  |                |                                  |  |                |
| 30.0   | 37.4                             | 57.4                                   | 21.5           | 45.8                             | 60.6                                   | 25.0           | 56.9                             | 63.6                                   | 29.3           |                                  |  |                |                                  |  |                |
| 32.0   | 31.0                             | 54.3                                   | 20.1           | 40.5                             | 58.4                                   | 23.6           | 52.6                             | 62.1                                   | 27.9           |                                  |  |                |                                  |  |                |
| 34.0   | 22.9                             | 50.2                                   | 18.5           | 34.6                             | 55.7                                   | 22.3           | 47.9                             | 60.4                                   | 26.6           |                                  |  |                |                                  |  |                |
| 35.0   | 17.5                             | 47.3                                   | 17.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   |                                  |  |                | 27.6                             | 52.3                                   | 20.5           | 42.9                             | 58.4                                   | 25.0           |                                  |  |                |                                  |  |                |
| 36.6   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 60.7                                   | 26.5           |                                  |  |                |
| 38.0   |                                  |  |                | 18.1                             | 47.3                                   | 18.6           | 37.3                             | 55.9                                   | 23.7           | 52.1                             | 59.7                                   | 27.2           |                                  |  |                |
| 40.0   |                                  |  |                |                                  |  |                | 30.8                             | 52.8                                   | 22.2           | 47.4                             | 57.9                                   | 25.7           |                                  |  |                |
| 42.0   |                                  |  |                |                                  |  |                | 22.7                             | 48.7                                   | 20.5           | 42.3                             | 55.9                                   | 24.4           |                                  |  |                |
| 43.0   |                                  |  |                |                                  |  |                | 17.3                             | 45.8                                   | 19.7           |                                  |  |                |                                  |  |                |
| 44.0   |                                  |  |                |                                  |  |                |                                  |  |                | 36.7                             | 53.4                                   | 23.3           |                                  |  |                |
| 46.0   |                                  |  |                |                                  |  |                |                                  |  |                | 30.1                             | 50.2                                   | 22.2           |                                  |  |                |
| 48.0   |                                  |  |                |                                  |  |                |                                  |  |                | 21.7                             | 45.9                                   | 21.1           |                                  |  |                |
| 49.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.0                             | 42.8                                   | 20.5           |                                  |  |                |
| 54.3   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 45.2                                   | 16.0           |
| 55.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 33.5                             | 44.5                                   | 16.6           |
| 59.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.8                             | 35.3                                   | 15.4           |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 35.5 m Plumín<br>16.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 11.8   | 78.0                             | 72.7                                   | 38.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 12.0   | 77.6                             | 72.6                                   | 38.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 13.0   | 75.9                             | 72.4                                   | 37.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.0   | 74.3                             | 72.1                                   | 36.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 70.9                             | 71.4                                   | 33.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 17.8   |                                  |  |                | 73.0                             | 71.5                                   | 33.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 67.4                             | 70.6                                   | 30.6           | 72.7                             | 71.5                                   | 33.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 63.8                             | 69.7                                   | 28.4           | 69.3                             | 70.8                                   | 31.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 60.1                             | 68.6                                   | 26.6           | 65.8                             | 69.9                                   | 29.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 56.3                             | 67.3                                   | 24.9           | 62.2                             | 68.9                                   | 27.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 52.3                             | 65.8                                   | 23.5           | 58.4                             | 67.7                                   | 25.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 27.3   |                                  |  |                |                                  |  |                | 65.0                             | 68.6                                   | 28.2           |                                  |  |                |                                  |  |                |
| 28.0   | 48.0                             | 64.1                                   | 22.1           | 54.5                             | 66.3                                   | 24.5           | 63.8                             | 68.3                                   | 28.2           |                                  |  |                |                                  |  |                |
| 30.0   | 43.4                             | 62.1                                   | 20.7           | 50.4                             | 64.7                                   | 23.4           | 60.1                             | 67.2                                   | 26.9           |                                  |  |                |                                  |  |                |
| 32.0   | 38.4                             | 59.7                                   | 19.5           | 46.0                             | 62.9                                   | 22.0           | 56.2                             | 65.9                                   | 25.7           |                                  |  |                |                                  |  |                |
| 34.0   | 32.7                             | 56.8                                   | 18.4           | 41.2                             | 60.7                                   | 20.9           | 52.2                             | 64.4                                   | 24.5           |                                  |  |                |                                  |  |                |
| 36.0   | 26.0                             | 53.1                                   | 17.1           | 36.0                             | 58.1                                   | 19.9           | 47.9                             | 62.6                                   | 23.4           |                                  |  |                |                                  |  |                |
| 38.0   | 16.7                             | 47.8                                   | 15.9           | 29.9                             | 54.9                                   | 18.6           | 43.4                             | 60.6                                   | 22.0           |                                  |  |                |                                  |  |                |
| 38.3   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 63.1                                   | 23.4           |                                  |  |                |
| 40.0   |                                  |  |                | 22.3                             | 50.7                                   | 17.3           | 38.3                             | 58.2                                   | 20.9           | 51.8                             | 61.9                                   | 24.2           |                                  |  |                |
| 41.0   |                                  |  |                | 17.3                             | 47.8                                   | 16.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   |                                  |  |                |                                  |  |                | 32.6                             | 55.3                                   | 19.9           | 47.5                             | 60.2                                   | 23.0           |                                  |  |                |
| 44.0   |                                  |  |                |                                  |  |                | 25.8                             | 51.6                                   | 18.7           | 42.9                             | 58.1                                   | 21.9           |                                  |  |                |
| 46.0   |                                  |  |                |                                  |  |                | 16.5                             | 46.2                                   | 17.4           | 37.8                             | 55.7                                   | 20.9           |                                  |  |                |
| 48.0   |                                  |  |                |                                  |  |                |                                  |  |                | 32.0                             | 52.7                                   | 20.0           |                                  |  |                |
| 50.0   |                                  |  |                |                                  |  |                |                                  |  |                | 25.0                             | 48.9                                   | 19.0           |                                  |  |                |
| 52.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.2                             | 43.2                                   | 18.0           |                                  |  |                |
| 56.7   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 46.9                                   | 14.8           |
| 60.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 24.9                             | 41.5                                   | 14.9           |
| 62.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.1                             | 35.7                                   | 14.4           |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 38.5 m Plumín<br>19.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 12.4   | 78.0                             | 75.6                                   | 34.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 13.0   | 77.1                             | 75.5                                   | 34.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.0   | 75.5                             | 75.2                                   | 33.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 72.4                             | 74.6                                   | 30.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 69.2                             | 73.9                                   | 28.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.7   |                                  |  |                | 73.0                             | 74.4                                   | 29.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 66.0                             | 73.0                                   | 26.4           | 71.0                             | 74.0                                   | 29.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 62.7                             | 72.0                                   | 24.7           | 67.8                             | 73.2                                   | 27.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 59.3                             | 70.9                                   | 23.2           | 64.5                             | 72.3                                   | 25.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 55.7                             | 69.5                                   | 21.9           | 61.2                             | 71.2                                   | 24.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 52.0                             | 68.0                                   | 20.8           | 57.7                             | 70.0                                   | 22.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.5   |                                  |  |                |                                  |  |                | 65.0                             | 71.3                                   | 23.6           |                                  |  |                |                                  |  |                |
| 30.0   | 48.0                             | 66.3                                   | 19.8           | 54.0                             | 68.6                                   | 21.7           | 62.6                             | 70.6                                   | 24.9           |                                  |  |                |                                  |  |                |
| 32.0   | 43.8                             | 64.3                                   | 18.7           | 50.2                             | 67.0                                   | 20.8           | 59.2                             | 69.4                                   | 23.8           |                                  |  |                |                                  |  |                |
| 34.0   | 39.3                             | 62.0                                   | 17.7           | 46.2                             | 65.1                                   | 19.6           | 55.6                             | 68.1                                   | 22.7           |                                  |  |                |                                  |  |                |
| 36.0   | 34.2                             | 59.2                                   | 16.9           | 41.8                             | 63.0                                   | 18.6           | 51.9                             | 66.6                                   | 21.8           |                                  |  |                |                                  |  |                |
| 38.0   | 28.3                             | 55.8                                   | 15.9           | 37.1                             | 60.5                                   | 17.7           | 48.0                             | 64.9                                   | 20.8           |                                  |  |                |                                  |  |                |
| 40.0   | 20.9                             | 51.3                                   | 14.9           | 31.7                             | 57.5                                   | 16.8           | 43.8                             | 62.9                                   | 19.6           | 55.0                             | 65.6                                   | 20.8           |                                  |  |                |
| 41.0   | 16.0                             | 48.2                                   | 14.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   |                                  |  |                | 25.3                             | 53.7                                   | 15.9           | 39.2                             | 60.6                                   | 18.6           | 51.5                             | 64.2                                   | 21.9           |                                  |  |                |
| 44.0   |                                  |  |                | 16.6                             | 48.2                                   | 15.0           | 34.1                             | 57.8                                   | 17.8           | 47.5                             | 62.4                                   | 20.9           |                                  |  |                |
| 46.0   |                                  |  |                |                                  |  |                | 28.2                             | 54.4                                   | 16.9           | 43.3                             | 60.4                                   | 19.9           |                                  |  |                |
| 48.0   |                                  |  |                |                                  |  |                | 20.8                             | 49.8                                   | 16.0           | 38.7                             | 58.0                                   | 18.9           |                                  |  |                |
| 49.0   |                                  |  |                |                                  |  |                | 15.8                             | 46.6                                   | 15.6           |                                  |  |                |                                  |  |                |
| 50.0   |                                  |  |                |                                  |  |                |                                  |  |                | 33.5                             | 55.2                                   | 18.1           |                                  |  |                |
| 55.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.5                             | 44.8                                   | 14.5           |                                  |  |                |
| 59.2   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 48.6                                   | 13.8           |
| 60.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 33.5                             | 47.8                                   | 14.8           |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.4                             | 37.4                                   | 12.6           |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 41.5 m Plumín<br>22.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 13.0   | 78.0                             | 78.5                                   | 30.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.0   | 76.6                             | 78.3                                   | 30.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 73.7                             | 77.7                                   | 28.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 70.8                             | 77.1                                   | 25.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 19.6   |                                  |  |                | 73.0                             | 77.3                                   | 26.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 67.9                             | 76.3                                   | 24.1           | 72.4                             | 77.1                                   | 26.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 64.8                             | 75.4                                   | 22.4           | 69.5                             | 76.4                                   | 24.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 61.7                             | 74.3                                   | 21.1           | 66.5                             | 75.6                                   | 23.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 58.5                             | 73.2                                   | 19.9           | 63.4                             | 74.6                                   | 21.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 55.2                             | 71.8                                   | 18.8           | 60.3                             | 73.5                                   | 20.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 29.8   |                                  |  |                |                                  |  |                | 65.0                             | 74.0                                   | 22.2           |                                  |  |                |                                  |  |                |
| 30.0   | 51.7                             | 70.3                                   | 18.0           | 57.0                             | 72.2                                   | 19.6           | 64.8                             | 74.0                                   | 22.2           |                                  |  |                |                                  |  |                |
| 32.0   | 48.0                             | 68.6                                   | 17.1           | 53.6                             | 70.8                                   | 18.8           | 61.6                             | 72.9                                   | 21.5           |                                  |  |                |                                  |  |                |
| 34.0   | 44.2                             | 66.6                                   | 16.2           | 50.1                             | 69.2                                   | 18.0           | 58.4                             | 71.7                                   | 20.7           |                                  |  |                |                                  |  |                |
| 36.0   | 40.0                             | 64.3                                   | 15.3           | 46.3                             | 67.4                                   | 17.0           | 55.1                             | 70.4                                   | 19.6           |                                  |  |                |                                  |  |                |
| 38.0   | 35.4                             | 61.6                                   | 14.7           | 42.3                             | 65.3                                   | 16.1           | 51.6                             | 68.9                                   | 18.8           |                                  |  |                |                                  |  |                |
| 40.0   | 30.2                             | 58.4                                   | 13.9           | 38.0                             | 62.8                                   | 15.3           | 48.0                             | 67.1                                   | 17.9           |                                  |  |                |                                  |  |                |
| 41.7   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 68.1                                   | 18.1           |                                  |  |                |
| 42.0   | 23.9                             | 54.4                                   | 13.1           | 33.1                             | 60.0                                   | 14.6           | 44.1                             | 65.1                                   | 16.9           | 54.8                             | 68.0                                   | 19.4           |                                  |  |                |
| 44.0   | 15.4                             | 48.6                                   | 12.4           | 27.5                             | 56.4                                   | 13.9           | 39.9                             | 62.9                                   | 16.1           | 51.3                             | 66.4                                   | 18.8           |                                  |  |                |
| 46.0   |                                  |  |                | 20.5                             | 51.8                                   | 13.1           | 35.3                             | 60.2                                   | 15.4           | 47.6                             | 64.7                                   | 18.0           |                                  |  |                |
| 47.0   |                                  |  |                | 15.9                             | 48.6                                   | 12.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   |                                  |  |                |                                  |  |                | 30.1                             | 57.0                                   | 14.7           | 43.7                             | 62.6                                   | 17.1           |                                  |  |                |
| 50.0   |                                  |  |                |                                  |  |                | 23.8                             | 52.9                                   | 13.9           | 39.4                             | 60.3                                   | 16.3           |                                  |  |                |
| 52.0   |                                  |  |                |                                  |  |                | 15.2                             | 47.0                                   | 13.2           |                                  |  |                |                                  |  |                |
| 55.0   |                                  |  |                |                                  |  |                |                                  |  |                | 26.5                             | 52.4                                   | 14.6           |                                  |  |                |
| 58.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.9                             | 45.2                                   | 12.0           |                                  |  |                |
| 61.7   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 50.4                                   | 13.0           |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 26.4                             | 45.0                                   | 13.1           |
| 68.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.8                             | 37.8                                   | 11.3           |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 44.5 m Plumín<br>25.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 13.6   | 78.0                             | 81.5                                   | 27.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.0   | 77.5                             | 81.4                                   | 27.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 74.9                             | 80.9                                   | 26.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 72.2                             | 80.2                                   | 24.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 69.4                             | 79.5                                   | 22.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.5   |                                  |  |                | 73.0                             | 80.1                                   | 23.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 66.6                             | 78.7                                   | 21.0           | 70.9                             | 79.6                                   | 23.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 63.8                             | 77.7                                   | 19.6           | 68.2                             | 78.8                                   | 21.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 60.9                             | 76.7                                   | 18.6           | 65.4                             | 78.0                                   | 20.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 57.8                             | 75.4                                   | 17.5           | 62.5                             | 76.9                                   | 19.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 54.7                             | 74.1                                   | 16.6           | 59.5                             | 75.8                                   | 18.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 31.1   |                                  |  |                |                                  |  |                | 65.0                             | 76.8                                   | 20.1           |                                  |  |                |                                  |  |                |
| 32.0   | 51.5                             | 72.5                                   | 15.9           | 56.4                             | 74.5                                   | 17.4           | 63.7                             | 76.3                                   | 20.0           |                                  |  |                |                                  |  |                |
| 34.0   | 48.1                             | 70.8                                   | 15.2           | 53.3                             | 73.1                                   | 16.7           | 60.8                             | 75.2                                   | 19.1           |                                  |  |                |                                  |  |                |
| 36.0   | 44.4                             | 68.8                                   | 14.4           | 49.9                             | 71.4                                   | 15.9           | 57.8                             | 74.0                                   | 18.3           |                                  |  |                |                                  |  |                |
| 38.0   | 40.6                             | 66.6                                   | 13.7           | 46.5                             | 69.6                                   | 15.1           | 54.7                             | 72.6                                   | 17.4           |                                  |  |                |                                  |  |                |
| 40.0   | 36.4                             | 64.0                                   | 13.0           | 42.7                             | 67.5                                   | 14.3           | 51.4                             | 71.1                                   | 16.7           |                                  |  |                |                                  |  |                |
| 42.0   | 31.7                             | 61.0                                   | 12.4           | 38.7                             | 65.2                                   | 13.6           | 48.0                             | 69.4                                   | 15.9           |                                  |  |                |                                  |  |                |
| 43.5   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 70.5                                   | 16.0           |                                  |  |                |
| 44.0   | 26.2                             | 57.2                                   | 11.8           | 34.3                             | 62.4                                   | 13.0           | 44.4                             | 67.4                                   | 15.0           | 54.3                             | 70.2                                   | 17.3           |                                  |  |                |
| 46.0   | 19.4                             | 52.3                                   | 11.1           | 29.4                             | 59.1                                   | 12.4           | 40.5                             | 65.1                                   | 14.3           | 51.1                             | 68.7                                   | 16.7           |                                  |  |                |
| 47.0   | 16.5                             | 50.2                                   | 9.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   |                                  |  |                | 23.4                             | 54.9                                   | 11.7           | 36.3                             | 62.6                                   | 13.7           | 47.6                             | 66.9                                   | 16.0           |                                  |  |                |
| 50.0   |                                  |  |                | 15.4                             | 49.0                                   | 11.1           | 31.6                             | 59.5                                   | 13.1           | 44.0                             | 64.9                                   | 15.2           |                                  |  |                |
| 55.0   |                                  |  |                |                                  |  |                | 16.3                             | 48.6                                   | 10.3           | 33.5                             | 58.5                                   | 13.6           |                                  |  |                |
| 60.0   |                                  |  |                |                                  |  |                |                                  |  |                | 18.4                             | 47.9                                   | 12.1           |                                  |  |                |
| 61.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.3                             | 45.6                                   | 9.9            |                                  |  |                |
| 64.1   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 52.1                                   | 12.3           |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 33.5                             | 51.1                                   | 12.9           |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 18.3                             | 40.5                                   | 11.9           |
| 71.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.2                             | 38.1                                   | 10.3           |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 47.5 m Plumín<br>28.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.3   | 78.0                             | 84.4                                   | 24.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 75.8                             | 84.0                                   | 23.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 73.3                             | 83.4                                   | 22.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 70.8                             | 82.7                                   | 20.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 21.4   |                                  |  |                | 73.0                             | 83.0                                   | 21.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 68.2                             | 82.0                                   | 19.9           | 72.2                             | 82.8                                   | 21.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 65.6                             | 81.1                                   | 18.8           | 69.6                             | 82.1                                   | 20.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 62.9                             | 80.1                                   | 18.0           | 67.0                             | 81.2                                   | 19.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 60.1                             | 79.0                                   | 17.3           | 64.4                             | 80.3                                   | 18.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 57.3                             | 77.7                                   | 16.7           | 61.6                             | 79.3                                   | 17.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 54.3                             | 76.3                                   | 16.1           | 58.8                             | 78.1                                   | 17.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.3   |                                  |  |                |                                  |  |                | 65.0                             | 79.5                                   | 18.0           |                                  |  |                |                                  |  |                |
| 34.0   | 51.3                             | 74.8                                   | 15.6           | 55.9                             | 76.8                                   | 16.6           | 62.8                             | 78.7                                   | 18.3           |                                  |  |                |                                  |  |                |
| 36.0   | 48.1                             | 73.0                                   | 14.9           | 53.0                             | 75.3                                   | 16.2           | 60.0                             | 77.5                                   | 17.7           |                                  |  |                |                                  |  |                |
| 38.0   | 44.7                             | 71.1                                   | 14.1           | 49.8                             | 73.7                                   | 15.6           | 57.2                             | 76.3                                   | 17.2           |                                  |  |                |                                  |  |                |
| 40.0   | 41.1                             | 68.9                                   | 13.4           | 46.6                             | 71.8                                   | 14.9           | 54.3                             | 74.9                                   | 16.6           |                                  |  |                |                                  |  |                |
| 42.0   | 37.2                             | 66.4                                   | 12.7           | 43.1                             | 69.8                                   | 14.3           | 51.2                             | 73.3                                   | 16.2           |                                  |  |                |                                  |  |                |
| 44.0   | 33.0                             | 63.4                                   | 12.1           | 39.4                             | 67.5                                   | 13.8           | 48.0                             | 71.6                                   | 15.6           |                                  |  |                |                                  |  |                |
| 45.2   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 73.0                                   | 15.7           |                                  |  |                |
| 46.0   | 28.1                             | 60.0                                   | 11.5           | 35.4                             | 64.8                                   | 13.3           | 44.6                             | 69.6                                   | 14.9           | 54.0                             | 72.5                                   | 16.4           |                                  |  |                |
| 48.0   | 22.3                             | 55.6                                   | 10.8           | 30.9                             | 61.6                                   | 12.5           | 41.0                             | 67.4                                   | 14.3           | 50.9                             | 70.9                                   | 16.0           |                                  |  |                |
| 50.0   | 15.9                             | 50.6                                   | 9.3            | 25.7                             | 57.8                                   | 11.7           | 37.2                             | 64.9                                   | 13.7           | 47.7                             | 69.1                                   | 15.7           |                                  |  |                |
| 53.0   |                                  |  |                | 16.4                             | 50.6                                   | 9.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.0   |                                  |  |                |                                  |  |                | 25.3                             | 56.4                                   | 12.1           | 38.7                             | 63.7                                   | 14.0           |                                  |  |                |
| 58.0   |                                  |  |                |                                  |  |                | 15.8                             | 49.0                                   | 10.5           |                                  |  |                |                                  |  |                |
| 60.0   |                                  |  |                |                                  |  |                |                                  |  |                | 27.5                             | 55.8                                   | 12.6           |                                  |  |                |
| 63.0   |                                  |  |                |                                  |  |                |                                  |  |                | 17.8                             | 48.4                                   | 11.7           |                                  |  |                |
| 66.6   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 53.8                                   | 11.6           |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 27.4                             | 48.4                                   | 11.5           |
| 73.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.7                             | 40.9                                   | 11.0           |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 50.5 m Plumín<br>19.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 14.9   | 78.0                             | 87.3                                   | 22.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 76.7                             | 87.1                                   | 22.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 74.3                             | 86.5                                   | 21.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 72.0                             | 85.9                                   | 20.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 69.6                             | 85.2                                   | 19.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.2   |                                  |  |                | 73.0                             | 85.9                                   | 19.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 67.1                             | 84.4                                   | 18.4           | 70.9                             | 85.3                                   | 19.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 64.6                             | 83.4                                   | 17.8           | 68.5                             | 84.5                                   | 18.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 62.1                             | 82.4                                   | 17.3           | 66.0                             | 83.6                                   | 18.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 59.4                             | 81.3                                   | 16.9           | 63.5                             | 82.7                                   | 17.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 56.7                             | 80.0                                   | 16.4           | 60.9                             | 81.6                                   | 17.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 33.6   |                                  |  |                |                                  |  |                | 65.0                             | 82.2                                   | 17.7           |                                  |  |                |                                  |  |                |
| 34.0   | 54.0                             | 78.6                                   | 16.1           | 58.2                             | 80.4                                   | 16.8           | 64.6                             | 82.0                                   | 17.7           |                                  |  |                |                                  |  |                |
| 36.0   | 51.1                             | 77.0                                   | 15.8           | 55.5                             | 79.0                                   | 16.5           | 62.0                             | 81.0                                   | 17.4           |                                  |  |                |                                  |  |                |
| 38.0   | 48.1                             | 75.3                                   | 15.1           | 52.7                             | 77.6                                   | 16.2           | 59.4                             | 79.8                                   | 17.1           |                                  |  |                |                                  |  |                |
| 40.0   | 44.9                             | 73.3                                   | 14.2           | 49.7                             | 75.9                                   | 15.8           | 56.7                             | 78.6                                   | 16.7           |                                  |  |                |                                  |  |                |
| 42.0   | 41.6                             | 71.1                                   | 13.5           | 46.7                             | 74.1                                   | 15.2           | 53.9                             | 77.1                                   | 16.4           |                                  |  |                |                                  |  |                |
| 44.0   | 38.0                             | 68.7                                   | 12.8           | 43.4                             | 72.0                                   | 14.6           | 51.0                             | 75.6                                   | 16.2           |                                  |  |                |                                  |  |                |
| 46.0   | 34.0                             | 65.9                                   | 12.2           | 40.0                             | 69.8                                   | 14.1           | 48.0                             | 73.8                                   | 15.7           |                                  |  |                |                                  |  |                |
| 46.9   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 75.4                                   | 15.5           |                                  |  |                |
| 48.0   | 29.7                             | 62.6                                   | 11.5           | 36.2                             | 67.1                                   | 13.7           | 44.8                             | 71.9                                   | 15.1           | 53.6                             | 74.7                                   | 16.1           |                                  |  |                |
| 50.0   | 24.6                             | 58.6                                   | 10.8           | 32.1                             | 64.1                                   | 12.9           | 41.5                             | 69.7                                   | 14.5           | 50.7                             | 73.1                                   | 15.9           |                                  |  |                |
| 53.0   | 15.4                             | 51.0                                   | 9.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 55.0   |                                  |  |                | 18.5                             | 53.3                                   | 10.7           | 31.8                             | 62.8                                   | 13.2           | 42.9                             | 68.3                                   | 14.9           |                                  |  |                |
| 56.0   |                                  |  |                | 15.9                             | 51.0                                   | 10.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 60.0   |                                  |  |                |                                  |  |                | 18.0                             | 51.8                                   | 11.3           | 34.2                             | 62.3                                   | 13.6           |                                  |  |                |
| 61.0   |                                  |  |                |                                  |  |                | 15.3                             | 49.4                                   | 10.7           |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                | 21.9                             | 52.7                                   | 12.0           |                                  |  |                |
| 66.0   |                                  |  |                |                                  |  |                |                                  |  |                | 18.5                             | 49.9                                   | 11.7           |                                  |  |                |
| 69.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 55.5                                   | 10.9           |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 33.5                             | 54.4                                   | 11.3           |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 20.7                             | 44.4                                   | 10.5           |
| 76.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.1                             | 41.4                                   | 10.4           |



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 53.5 m Plumín<br>22.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 15.5   | 78.0                             | 90.3                                   | 20.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.0   | 77.5                             | 90.2                                   | 20.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 75.2                             | 89.7                                   | 19.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 73.0                             | 89.1                                   | 18.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 70.8                             | 88.4                                   | 17.6           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 23.1   |                                  |  |                | 73.0                             | 88.7                                   | 17.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 68.5                             | 87.6                                   | 16.9           | 72.0                             | 88.4                                   | 17.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 66.1                             | 86.8                                   | 16.4           | 69.7                             | 87.7                                   | 17.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 63.8                             | 85.8                                   | 16.0           | 67.4                             | 86.9                                   | 16.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 61.3                             | 84.7                                   | 15.6           | 65.1                             | 86.0                                   | 16.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 58.8                             | 83.6                                   | 15.2           | 62.7                             | 85.0                                   | 15.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 56.3                             | 82.3                                   | 14.9           | 60.2                             | 83.9                                   | 15.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.9   |                                  |  |                |                                  |  |                | 65.0                             | 84.9                                   | 16.1           |                                  |  |                |                                  |  |                |
| 36.0   | 53.6                             | 80.8                                   | 14.6           | 57.7                             | 82.7                                   | 15.2           | 63.7                             | 84.4                                   | 16.0           |                                  |  |                |                                  |  |                |
| 38.0   | 50.9                             | 79.2                                   | 14.4           | 55.1                             | 81.3                                   | 15.0           | 61.3                             | 83.3                                   | 15.7           |                                  |  |                |                                  |  |                |
| 40.0   | 48.1                             | 77.5                                   | 13.8           | 52.4                             | 79.8                                   | 14.7           | 58.8                             | 82.1                                   | 15.4           |                                  |  |                |                                  |  |                |
| 42.0   | 45.1                             | 75.6                                   | 13.1           | 49.7                             | 78.2                                   | 14.4           | 56.2                             | 80.8                                   | 15.1           |                                  |  |                |                                  |  |                |
| 44.0   | 42.0                             | 73.4                                   | 12.4           | 46.8                             | 76.3                                   | 13.9           | 53.6                             | 79.4                                   | 14.9           |                                  |  |                |                                  |  |                |
| 46.0   | 38.6                             | 71.0                                   | 11.9           | 43.7                             | 74.3                                   | 13.4           | 50.9                             | 77.8                                   | 14.7           |                                  |  |                |                                  |  |                |
| 48.0   | 35.0                             | 68.3                                   | 11.4           | 40.5                             | 72.0                                   | 13.0           | 48.0                             | 76.1                                   | 14.3           |                                  |  |                |                                  |  |                |
| 48.6   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 77.9                                   | 14.0           |                                  |  |                |
| 50.0   | 31.0                             | 65.1                                   | 10.8           | 37.0                             | 69.5                                   | 12.7           | 45.0                             | 74.1                                   | 13.8           | 53.3                             | 77.0                                   | 14.5           |                                  |  |                |
| 55.0   | 17.6                             | 53.7                                   | 9.2            | 26.7                             | 61.3                                   | 10.9           | 36.8                             | 68.2                                   | 12.8           | 46.2                             | 72.6                                   | 14.2           |                                  |  |                |
| 59.0   |                                  |  |                | 15.4                             | 51.4                                   | 9.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 60.0   |                                  |  |                |                                  |  |                | 26.3                             | 59.9                                   | 11.3           | 38.2                             | 67.0                                   | 12.9           |                                  |  |                |
| 63.0   |                                  |  |                |                                  |  |                | 17.5                             | 52.2                                   | 10.3           |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                |                                  |  |                |                                  |  |                | 29.0                             | 59.8                                   | 11.7           |                                  |  |                |
| 69.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.7                             | 49.2                                   | 10.6           |                                  |  |                |
| 71.5   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 57.3                                   | 10.3           |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 28.2                             | 51.8                                   | 10.2           |
| 79.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.6                             | 41.8                                   | 9.5            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 56.5 m Plumín<br>25.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.1   | 78.0                             | 93.2                                   | 18.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 76.0                             | 92.8                                   | 18.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 73.9                             | 92.2                                   | 17.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 71.8                             | 91.6                                   | 16.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 69.7                             | 90.8                                   | 15.7           | 73.0                             | 91.6                                   | 16.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 67.5                             | 90.0                                   | 15.2           | 70.8                             | 90.9                                   | 15.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 65.2                             | 89.1                                   | 14.8           | 68.7                             | 90.2                                   | 15.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 63.0                             | 88.1                                   | 14.5           | 66.5                             | 89.3                                   | 15.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 60.7                             | 87.0                                   | 14.2           | 64.2                             | 88.4                                   | 14.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 58.3                             | 85.8                                   | 13.9           | 61.9                             | 87.3                                   | 14.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 55.9                             | 84.5                                   | 13.7           | 59.6                             | 86.2                                   | 14.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.1   |                                  |  |                |                                  |  |                | 65.0                             | 87.6                                   | 14.1           |                                  |  |                |                                  |  |                |
| 38.0   | 53.4                             | 83.1                                   | 13.5           | 57.2                             | 84.9                                   | 13.9           | 62.9                             | 86.7                                   | 14.6           |                                  |  |                |                                  |  |                |
| 40.0   | 50.8                             | 81.5                                   | 13.3           | 54.8                             | 83.6                                   | 13.7           | 60.6                             | 85.6                                   | 14.3           |                                  |  |                |                                  |  |                |
| 42.0   | 48.1                             | 79.7                                   | 12.8           | 52.2                             | 82.0                                   | 13.5           | 58.3                             | 84.4                                   | 14.1           |                                  |  |                |                                  |  |                |
| 44.0   | 45.3                             | 77.8                                   | 12.2           | 49.6                             | 80.4                                   | 13.2           | 55.8                             | 83.1                                   | 13.9           |                                  |  |                |                                  |  |                |
| 46.0   | 42.3                             | 75.7                                   | 11.6           | 46.8                             | 78.6                                   | 12.8           | 53.3                             | 81.6                                   | 13.6           |                                  |  |                |                                  |  |                |
| 48.0   | 39.2                             | 73.3                                   | 11.1           | 44.0                             | 76.6                                   | 12.5           | 50.7                             | 80.1                                   | 13.5           |                                  |  |                |                                  |  |                |
| 50.0   | 35.8                             | 70.6                                   | 10.7           | 40.9                             | 74.3                                   | 12.1           | 48.0                             | 78.3                                   | 13.2           |                                  |  |                |                                  |  |                |
| 50.3   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 80.4                                   | 12.9           |                                  |  |                |
| 55.0   | 25.7                             | 62.1                                   | 9.3            | 32.3                             | 67.5                                   | 11.1           | 40.7                             | 73.1                                   | 12.2           | 49.1                             | 76.7                                   | 13.1           |                                  |  |                |
| 58.0   | 17.1                             | 54.2                                   | 8.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 60.0   |                                  |  |                | 20.7                             | 57.2                                   | 9.3            | 32.0                             | 66.2                                   | 11.3           | 41.9                             | 71.7                                   | 12.3           |                                  |  |                |
| 61.0   |                                  |  |                | 17.5                             | 54.2                                   | 9.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                |                                  |  |                | 20.3                             | 55.7                                   | 9.8            | 33.5                             | 65.1                                   | 11.5           |                                  |  |                |
| 66.0   |                                  |  |                |                                  |  |                | 17.0                             | 52.7                                   | 9.5            |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                | 22.5                             | 55.5                                   | 10.3           |                                  |  |                |
| 72.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.2                             | 49.7                                   | 9.8            |                                  |  |                |
| 73.9   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 59.0                                   | 9.7            |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 33.5                             | 57.7                                   | 10.0           |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 22.5                             | 48.1                                   | 9.1            |
| 82.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.2                             | 42.2                                   | 8.7            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 59.5 m Plumín<br>28.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 16.8   | 78.0                             | 96.1                                   | 16.1           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 76.8                             | 95.9                                   | 15.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 74.8                             | 95.3                                   | 15.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 72.8                             | 94.7                                   | 14.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 70.7                             | 94.0                                   | 13.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.9   |                                  |  |                | 73.0                             | 94.5                                   | 13.9           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 68.7                             | 93.3                                   | 13.3           | 71.9                             | 94.1                                   | 13.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 66.5                             | 92.4                                   | 12.9           | 69.8                             | 93.4                                   | 13.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 64.4                             | 91.5                                   | 12.7           | 67.7                             | 92.6                                   | 13.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 62.2                             | 90.4                                   | 12.4           | 65.6                             | 91.7                                   | 12.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 60.0                             | 89.3                                   | 12.2           | 63.4                             | 90.7                                   | 12.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 57.7                             | 88.1                                   | 11.9           | 61.2                             | 89.6                                   | 12.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 37.4   |                                  |  |                |                                  |  |                | 65.0                             | 90.4                                   | 12.7           |                                  |  |                |                                  |  |                |
| 38.0   | 55.4                             | 86.7                                   | 11.7           | 59.0                             | 88.4                                   | 12.1           | 64.4                             | 90.1                                   | 12.7           |                                  |  |                |                                  |  |                |
| 40.0   | 53.0                             | 85.2                                   | 11.5           | 56.7                             | 87.1                                   | 11.9           | 62.2                             | 89.0                                   | 12.5           |                                  |  |                |                                  |  |                |
| 42.0   | 50.5                             | 83.6                                   | 11.3           | 54.3                             | 85.7                                   | 11.7           | 59.9                             | 87.9                                   | 12.2           |                                  |  |                |                                  |  |                |
| 44.0   | 47.9                             | 81.8                                   | 10.9           | 51.8                             | 84.2                                   | 11.5           | 57.7                             | 86.6                                   | 12.0           |                                  |  |                |                                  |  |                |
| 46.0   | 45.2                             | 79.9                                   | 10.6           | 49.3                             | 82.5                                   | 11.3           | 55.3                             | 85.3                                   | 11.8           |                                  |  |                |                                  |  |                |
| 48.0   | 42.3                             | 77.7                                   | 10.2           | 46.7                             | 80.6                                   | 11.1           | 52.9                             | 83.8                                   | 11.7           |                                  |  |                |                                  |  |                |
| 50.0   | 39.3                             | 75.3                                   | 9.9            | 43.9                             | 78.6                                   | 10.8           | 50.4                             | 82.2                                   | 11.5           |                                  |  |                |                                  |  |                |
| 52.1   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 82.8                                   | 11.4           |                                  |  |                |
| 55.0   | 30.8                             | 68.0                                   | 9.0            | 36.3                             | 72.5                                   | 10.4           | 43.7                             | 77.4                                   | 11.0           | 51.4                             | 80.6                                   | 11.3           |                                  |  |                |
| 60.0   | 19.0                             | 56.9                                   | 7.7            | 26.9                             | 64.1                                   | 9.1            | 36.1                             | 71.2                                   | 10.6           | 44.8                             | 76.0                                   | 11.0           |                                  |  |                |
| 61.0   | 15.6                             | 53.5                                   | 7.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 64.0   |                                  |  |                | 16.0                             | 53.6                                   | 7.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                |                                  |  |                | 26.6                             | 62.8                                   | 9.4            | 37.4                             | 70.1                                   | 10.6           |                                  |  |                |
| 69.0   |                                  |  |                |                                  |  |                | 15.5                             | 52.0                                   | 8.4            |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                |                                  |  |                |                                  |  |                | 28.3                             | 62.1                                   | 9.8            |                                  |  |                |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                | 17.0                             | 51.2                                   | 8.6            |                                  |  |                |
| 76.4   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 60.7                                   | 9.1            |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 28.2                             | 54.7                                   | 8.8            |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.9                             | 43.8                                   | 7.7            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 62.5 m Plumín<br>31.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 17.4   | 78.0                             | 99.1                                   | 14.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.0   | 77.5                             | 98.9                                   | 14.5           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 75.6                             | 98.4                                   | 13.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 73.6                             | 97.9                                   | 13.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 71.7                             | 97.2                                   | 12.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 25.8   |                                  |  |                | 73.0                             | 97.3                                   | 12.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 69.7                             | 96.5                                   | 12.2           | 72.8                             | 97.3                                   | 12.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 67.7                             | 95.7                                   | 11.9           | 70.8                             | 96.6                                   | 12.4           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 65.7                             | 94.8                                   | 11.6           | 68.8                             | 95.8                                   | 12.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 63.7                             | 93.8                                   | 11.4           | 66.8                             | 95.0                                   | 11.8           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 61.6                             | 92.8                                   | 11.2           | 64.8                             | 94.1                                   | 11.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 59.5                             | 91.6                                   | 11.0           | 62.7                             | 93.0                                   | 11.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 57.3                             | 90.3                                   | 10.8           | 60.6                             | 91.9                                   | 11.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.7   |                                  |  |                |                                  |  |                | 65.0                             | 93.1                                   | 11.5           |                                  |  |                |                                  |  |                |
| 40.0   | 55.0                             | 89.0                                   | 10.5           | 58.5                             | 90.7                                   | 10.9           | 63.6                             | 92.4                                   | 11.4           |                                  |  |                |                                  |  |                |
| 42.0   | 52.7                             | 87.5                                   | 10.4           | 56.3                             | 89.4                                   | 10.7           | 61.5                             | 91.3                                   | 11.2           |                                  |  |                |                                  |  |                |
| 44.0   | 50.4                             | 85.8                                   | 10.2           | 54.0                             | 88.0                                   | 10.5           | 59.4                             | 90.2                                   | 11.0           |                                  |  |                |                                  |  |                |
| 46.0   | 47.9                             | 84.1                                   | 9.9            | 51.7                             | 86.4                                   | 10.4           | 57.2                             | 88.9                                   | 10.8           |                                  |  |                |                                  |  |                |
| 48.0   | 45.3                             | 82.1                                   | 9.6            | 49.3                             | 84.7                                   | 10.2           | 55.0                             | 87.5                                   | 10.6           |                                  |  |                |                                  |  |                |
| 50.0   | 42.6                             | 80.0                                   | 9.4            | 46.7                             | 82.9                                   | 10.0           | 52.7                             | 86.0                                   | 10.5           |                                  |  |                |                                  |  |                |
| 53.8   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 85.3                                   | 10.3           |                                  |  |                |
| 55.0   | 35.2                             | 73.6                                   | 8.8            | 40.0                             | 77.4                                   | 9.7            | 46.6                             | 81.7                                   | 10.2           | 53.6                             | 84.4                                   | 10.3           |                                  |  |                |
| 60.0   | 26.0                             | 64.9                                   | 7.8            | 32.0                             | 70.4                                   | 9.0            | 39.8                             | 76.2                                   | 9.9            | 47.6                             | 80.2                                   | 10.0           |                                  |  |                |
| 64.0   | 15.2                             | 53.9                                   | 6.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 65.0   |                                  |  |                | 21.5                             | 60.2                                   | 7.8            | 31.7                             | 69.1                                   | 9.3            | 40.9                             | 74.9                                   | 9.8            |                                  |  |                |
| 67.0   |                                  |  |                | 15.6                             | 54.0                                   | 7.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                |                                  |  |                | 21.2                             | 58.7                                   | 8.2            | 33.1                             | 68.1                                   | 9.6            |                                  |  |                |
| 72.0   |                                  |  |                |                                  |  |                | 15.1                             | 52.4                                   | 7.8            |                                  |  |                |                                  |  |                |
| 75.0   |                                  |  |                |                                  |  |                |                                  |  |                | 23.2                             | 58.5                                   | 8.6            |                                  |  |                |
| 78.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.5                             | 51.7                                   | 7.8            |                                  |  |                |
| 78.9   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 62.4                                   | 8.6            |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 33.1                             | 60.7                                   | 8.6            |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 23.1                             | 51.0                                   | 7.8            |
| 88.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.5                             | 44.2                                   | 7.2            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 65.5 m Plumín<br>34.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.1   | 78.0                             | 102.0                                  | 13.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 76.2                             | 101.5                                  | 12.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 74.4                             | 101.0                                  | 12.3           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 72.6                             | 100.4                                  | 11.8           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 70.7                             | 99.7                                   | 11.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.6   |                                  |  |                | 73.0                             | 100.2                                  | 11.6           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 68.8                             | 98.9                                   | 11.1           | 71.7                             | 99.8                                   | 11.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 66.9                             | 98.1                                   | 10.8           | 69.9                             | 99.0                                   | 11.2           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 65.0                             | 97.2                                   | 10.5           | 68.0                             | 98.2                                   | 11.0           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 63.0                             | 96.2                                   | 10.3           | 66.0                             | 97.4                                   | 10.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 61.0                             | 95.1                                   | 10.1           | 64.1                             | 96.4                                   | 10.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 59.0                             | 93.9                                   | 9.9            | 62.1                             | 95.4                                   | 10.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 39.9   |                                  |  |                |                                  |  |                | 65.0                             | 95.8                                   | 10.5           |                                  |  |                |                                  |  |                |
| 40.0   | 56.9                             | 92.6                                   | 9.6            | 60.1                             | 94.2                                   | 10.0           | 64.9                             | 95.8                                   | 10.5           |                                  |  |                |                                  |  |                |
| 42.0   | 54.7                             | 91.2                                   | 9.4            | 58.0                             | 93.0                                   | 9.8            | 63.0                             | 94.8                                   | 10.4           |                                  |  |                |                                  |  |                |
| 44.0   | 52.5                             | 89.7                                   | 9.2            | 55.9                             | 91.7                                   | 9.6            | 61.0                             | 93.7                                   | 10.2           |                                  |  |                |                                  |  |                |
| 46.0   | 50.3                             | 88.1                                   | 9.1            | 53.7                             | 90.2                                   | 9.4            | 58.9                             | 92.5                                   | 10.0           |                                  |  |                |                                  |  |                |
| 48.0   | 47.9                             | 86.3                                   | 8.8            | 51.5                             | 88.7                                   | 9.3            | 56.8                             | 91.2                                   | 9.8            |                                  |  |                |                                  |  |                |
| 50.0   | 45.5                             | 84.4                                   | 8.6            | 49.2                             | 87.0                                   | 9.1            | 54.7                             | 89.8                                   | 9.6            |                                  |  |                |                                  |  |                |
| 55.0   | 38.8                             | 78.7                                   | 8.1            | 43.0                             | 82.0                                   | 8.7            | 49.0                             | 85.8                                   | 9.2            |                                  |  |                |                                  |  |                |
| 55.5   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 87.7                                   | 9.3            |                                  |  |                |
| 60.0   | 31.0                             | 71.4                                   | 7.5            | 36.0                             | 75.8                                   | 8.3            | 42.9                             | 80.8                                   | 8.9            | 50.0                             | 84.2                                   | 9.1            |                                  |  |                |
| 65.0   | 20.8                             | 60.8                                   | 6.6            | 27.6                             | 67.6                                   | 7.5            | 35.8                             | 74.6                                   | 8.6            | 43.9                             | 79.4                                   | 8.8            |                                  |  |                |
| 67.0   | 16.9                             | 56.6                                   | 5.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 70.0   |                                  |  |                | 15.2                             | 54.4                                   | 6.6            | 27.3                             | 66.2                                   | 7.9            | 37.0                             | 73.4                                   | 8.6            |                                  |  |                |
| 75.0   |                                  |  |                |                                  |  |                | 16.8                             | 55.1                                   | 6.6            | 28.8                             | 65.5                                   | 8.1            |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                | 17.3                             | 53.4                                   | 7.5            |                                  |  |                |
| 81.0   |                                  |  |                |                                  |  |                |                                  |  |                | 16.2                             | 52.1                                   | 6.8            |                                  |  |                |
| 81.3   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 64.1                                   | 7.8            |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 28.8                             | 58.1                                   | 7.5            |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 19.1                             | 47.9                                   | 6.6            |
| 91.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.1                             | 44.6                                   | 6.5            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 68.5 m Plumín<br>37.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 18.7   | 78.0                             | 104.9                                  | 12.2           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 76.9                             | 104.6                                  | 12.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 75.1                             | 104.1                                  | 11.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 73.4                             | 103.5                                  | 11.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 71.6                             | 102.9                                  | 10.7           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 27.5   |                                  |  |                | 73.0                             | 103.1                                  | 10.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 69.8                             | 102.2                                  | 10.4           | 72.6                             | 102.9                                  | 10.7           |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 68.0                             | 101.4                                  | 10.1           | 70.8                             | 102.2                                  | 10.5           |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 66.2                             | 100.5                                  | 9.8            | 69.0                             | 101.5                                  | 10.3           |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 64.3                             | 99.5                                   | 9.6            | 67.2                             | 100.7                                  | 10.1           |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 62.4                             | 98.5                                   | 9.4            | 65.3                             | 99.7                                   | 9.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 60.5                             | 97.4                                   | 9.2            | 63.4                             | 98.8                                   | 9.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 58.5                             | 96.2                                   | 8.9            | 61.5                             | 97.7                                   | 9.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 41.2   |                                  |  |                |                                  |  |                | 65.0                             | 98.5                                   | 9.7            |                                  |  |                |                                  |  |                |
| 42.0   | 56.5                             | 94.9                                   | 8.7            | 59.6                             | 96.5                                   | 9.2            | 64.3                             | 98.1                                   | 9.7            |                                  |  |                |                                  |  |                |
| 44.0   | 54.4                             | 93.5                                   | 8.5            | 57.6                             | 95.3                                   | 8.9            | 62.4                             | 97.1                                   | 9.6            |                                  |  |                |                                  |  |                |
| 46.0   | 52.3                             | 91.9                                   | 8.3            | 55.6                             | 93.9                                   | 8.7            | 60.4                             | 96.0                                   | 9.3            |                                  |  |                |                                  |  |                |
| 48.0   | 50.2                             | 90.3                                   | 8.2            | 53.5                             | 92.5                                   | 8.6            | 58.5                             | 94.8                                   | 9.2            |                                  |  |                |                                  |  |                |
| 50.0   | 47.9                             | 88.5                                   | 8.0            | 51.4                             | 90.9                                   | 8.4            | 56.5                             | 93.5                                   | 9.0            |                                  |  |                |                                  |  |                |
| 55.0   | 41.9                             | 83.4                                   | 7.5            | 45.7                             | 86.4                                   | 7.9            | 51.2                             | 89.7                                   | 8.5            |                                  |  |                |                                  |  |                |
| 57.2   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 90.2                                   | 8.6            |                                  |  |                |
| 60.0   | 35.1                             | 77.0                                   | 7.1            | 39.4                             | 80.8                                   | 7.5            | 45.5                             | 85.2                                   | 8.1            | 52.1                             | 88.1                                   | 8.5            |                                  |  |                |
| 65.0   | 26.7                             | 68.4                                   | 6.4            | 32.1                             | 73.7                                   | 7.0            | 39.2                             | 79.6                                   | 7.7            | 46.5                             | 83.7                                   | 8.1            |                                  |  |                |
| 70.0   | 16.5                             | 57.0                                   | 5.3            | 22.9                             | 63.8                                   | 6.4            | 31.9                             | 72.4                                   | 7.3            | 40.3                             | 78.3                                   | 7.8            |                                  |  |                |
| 73.0   |                                  |  |                | 16.8                             | 57.0                                   | 5.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 75.0   |                                  |  |                |                                  |  |                | 22.6                             | 62.4                                   | 6.9            | 33.2                             | 71.4                                   | 7.5            |                                  |  |                |
| 78.0   |                                  |  |                |                                  |  |                | 16.4                             | 55.5                                   | 5.9            |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                |                                  |  |                | 24.3                             | 62.0                                   | 7.1            |                                  |  |                |
| 83.8   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 65.9                                   | 7.1            |
| 84.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.8                             | 52.5                                   | 6.1            |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 33.1                             | 64.0                                   | 7.1            |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 24.2                             | 54.6                                   | 6.5            |
| 94.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.7                             | 45.0                                   | 5.9            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 71.5 m Plumín<br>40.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 19.3   | 78.0                             | 107.9                                  | 10.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 77.4                             | 107.7                                  | 10.9           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 75.8                             | 107.2                                  | 10.4           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 74.1                             | 106.7                                  | 10.0           |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 72.4                             | 106.0                                  | 9.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 70.7                             | 105.4                                  | 9.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.4   |                                  |  |                | 73.0                             | 105.9                                  | 9.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 69.0                             | 104.6                                  | 9.2            | 71.6                             | 105.4                                  | 9.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 67.2                             | 103.8                                  | 9.0            | 69.9                             | 104.7                                  | 9.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 65.5                             | 102.9                                  | 8.8            | 68.2                             | 103.9                                  | 9.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 63.7                             | 101.9                                  | 8.6            | 66.4                             | 103.1                                  | 8.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 61.8                             | 100.8                                  | 8.4            | 64.7                             | 102.1                                  | 8.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 60.0                             | 99.7                                   | 8.2            | 62.8                             | 101.1                                  | 8.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 58.1                             | 98.5                                   | 8.0            | 61.0                             | 100.0                                  | 8.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.5   |                                  |  |                |                                  |  |                | 65.0                             | 101.2                                  | 8.7            |                                  |  |                |                                  |  |                |
| 44.0   | 56.2                             | 97.1                                   | 7.9            | 59.1                             | 98.8                                   | 8.2            | 63.6                             | 100.5                                  | 8.6            |                                  |  |                |                                  |  |                |
| 46.0   | 54.2                             | 95.7                                   | 7.7            | 57.2                             | 97.6                                   | 8.0            | 61.8                             | 99.4                                   | 8.5            |                                  |  |                |                                  |  |                |
| 48.0   | 52.2                             | 94.2                                   | 7.6            | 55.3                             | 96.2                                   | 7.9            | 60.0                             | 98.3                                   | 8.3            |                                  |  |                |                                  |  |                |
| 50.0   | 50.1                             | 92.5                                   | 7.4            | 53.3                             | 94.7                                   | 7.7            | 58.1                             | 97.0                                   | 8.2            |                                  |  |                |                                  |  |                |
| 55.0   | 44.6                             | 87.8                                   | 7.1            | 48.0                             | 90.5                                   | 7.4            | 53.2                             | 93.5                                   | 7.8            |                                  |  |                |                                  |  |                |
| 58.9   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 92.6                                   | 7.7            |                                  |  |                |
| 60.0   | 38.4                             | 82.0                                   | 6.7            | 42.3                             | 85.5                                   | 7.1            | 47.9                             | 89.3                                   | 7.5            | 54.0                             | 91.9                                   | 7.7            |                                  |  |                |
| 65.0   | 31.3                             | 74.7                                   | 6.3            | 35.8                             | 79.2                                   | 6.8            | 42.1                             | 84.2                                   | 7.2            | 48.8                             | 87.8                                   | 7.4            |                                  |  |                |
| 70.0   | 22.1                             | 64.5                                   | 5.7            | 28.1                             | 71.0                                   | 6.3            | 35.7                             | 77.9                                   | 7.0            | 43.1                             | 82.8                                   | 7.2            |                                  |  |                |
| 73.0   | 16.2                             | 57.4                                   | 4.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 75.0   |                                  |  |                | 17.5                             | 58.7                                   | 5.7            | 27.9                             | 69.6                                   | 6.5            | 36.7                             | 76.7                                   | 7.0            |                                  |  |                |
| 76.0   |                                  |  |                | 16.5                             | 57.5                                   | 5.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                | 17.1                             | 57.2                                   | 6.1            | 29.2                             | 68.8                                   | 6.7            |                                  |  |                |
| 81.0   |                                  |  |                |                                  |  |                | 16.1                             | 55.9                                   | 5.5            |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                | 19.2                             | 57.4                                   | 6.4            |                                  |  |                |
| 86.2   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 67.6                                   | 6.5            |
| 87.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.4                             | 52.9                                   | 5.8            |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 29.2                             | 61.4                                   | 6.2            |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 20.7                             | 51.7                                   | 5.5            |
| 97.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.4                             | 45.4                                   | 5.2            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 74.5 m Plumín<br>31.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 19.9   | 78.0                             | 110.8                                  | 9.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.0   | 77.9                             | 110.8                                  | 9.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 76.4                             | 110.3                                  | 9.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 74.8                             | 109.8                                  | 9.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 73.1                             | 109.2                                  | 8.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 71.5                             | 108.5                                  | 8.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 29.3   |                                  |  |                | 73.0                             | 108.8                                  | 8.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 69.9                             | 107.8                                  | 8.5            | 72.4                             | 108.6                                  | 8.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 68.2                             | 107.0                                  | 8.3            | 70.8                             | 107.9                                  | 8.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 66.5                             | 106.2                                  | 8.1            | 69.1                             | 107.1                                  | 8.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 64.8                             | 105.2                                  | 7.9            | 67.4                             | 106.3                                  | 8.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 63.1                             | 104.2                                  | 7.7            | 65.8                             | 105.4                                  | 8.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 61.3                             | 103.2                                  | 7.6            | 64.0                             | 104.5                                  | 7.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 59.5                             | 102.0                                  | 7.5            | 62.3                             | 103.4                                  | 7.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 43.7   |                                  |  |                |                                  |  |                | 65.0                             | 103.9                                  | 7.8            |                                  |  |                |                                  |  |                |
| 44.0   | 57.7                             | 100.7                                  | 7.3            | 60.5                             | 102.3                                  | 7.6            | 64.8                             | 103.8                                  | 7.8            |                                  |  |                |                                  |  |                |
| 46.0   | 55.9                             | 99.4                                   | 7.2            | 58.7                             | 101.1                                  | 7.4            | 63.1                             | 102.8                                  | 7.8            |                                  |  |                |                                  |  |                |
| 48.0   | 54.0                             | 98.0                                   | 7.1            | 56.9                             | 99.8                                   | 7.3            | 61.3                             | 101.7                                  | 7.6            |                                  |  |                |                                  |  |                |
| 50.0   | 52.0                             | 96.4                                   | 7.0            | 55.0                             | 98.5                                   | 7.1            | 59.5                             | 100.6                                  | 7.5            |                                  |  |                |                                  |  |                |
| 55.0   | 46.9                             | 92.1                                   | 6.7            | 50.1                             | 94.5                                   | 6.9            | 54.9                             | 97.3                                   | 7.2            |                                  |  |                |                                  |  |                |
| 60.0   | 41.3                             | 86.8                                   | 6.4            | 44.8                             | 89.9                                   | 6.7            | 50.0                             | 93.4                                   | 6.9            |                                  |  |                |                                  |  |                |
| 60.7   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 95.1                                   | 6.9            |                                  |  |                |
| 65.0   | 34.9                             | 80.3                                   | 6.2            | 39.0                             | 84.2                                   | 6.5            | 44.7                             | 88.6                                   | 6.7            | 50.8                             | 91.7                                   | 6.8            |                                  |  |                |
| 70.0   | 27.4                             | 71.8                                   | 5.6            | 32.2                             | 77.0                                   | 6.2            | 38.8                             | 82.9                                   | 6.6            | 45.5                             | 87.2                                   | 6.6            |                                  |  |                |
| 75.0   | 16.9                             | 59.2                                   | 5.0            | 23.9                             | 67.4                                   | 5.6            | 32.0                             | 75.7                                   | 6.3            | 39.8                             | 81.6                                   | 6.5            |                                  |  |                |
| 76.0   | 15.8                             | 57.8                                   | 4.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 79.0   |                                  |  |                | 16.1                             | 57.9                                   | 4.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                |                                  |  |                | 23.6                             | 66.0                                   | 5.9            | 33.2                             | 74.7                                   | 6.3            |                                  |  |                |
| 84.0   |                                  |  |                |                                  |  |                | 15.7                             | 56.3                                   | 5.2            |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                |                                  |  |                | 25.2                             | 65.6                                   | 6.1            |                                  |  |                |
| 88.7   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 69.3                                   | 5.9            |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.1                             | 53.3                                   | 5.5            | 33.2                             | 67.3                                   | 5.9            |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 25.1                             | 58.1                                   | 5.4            |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 15.0                             | 45.8                                   | 4.7            |



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma principal    |  |                | 83° Ángulo de pluma principal    |  |                | 75° Ángulo de pluma principal    |  |                | 65° Ángulo de pluma principal    |  |                | 45° Ángulo de pluma principal    |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 77.5 m Plumín<br>34.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 20.6   | 78.0                             | 113.7                                  | 8.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 76.9                             | 113.4                                  | 8.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 75.4                             | 112.9                                  | 8.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 73.8                             | 112.3                                  | 8.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 72.3                             | 111.7                                  | 7.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 70.7                             | 111.0                                  | 7.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.1   |                                  |  |                | 73.0                             | 111.7                                  | 7.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 69.1                             | 110.3                                  | 7.5            | 71.5                             | 111.1                                  | 7.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 67.5                             | 109.4                                  | 7.3            | 70.0                             | 110.4                                  | 7.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 65.9                             | 108.6                                  | 7.1            | 68.4                             | 109.6                                  | 7.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 64.2                             | 107.6                                  | 6.9            | 66.8                             | 108.7                                  | 7.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 62.5                             | 106.6                                  | 6.8            | 65.1                             | 107.8                                  | 7.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 60.8                             | 105.5                                  | 6.7            | 63.5                             | 106.8                                  | 6.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 59.1                             | 104.3                                  | 6.5            | 61.8                             | 105.8                                  | 6.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 45.0   |                                  |  |                |                                  |  |                | 65.0                             | 106.7                                  | 7.0            |                                  |  |                |                                  |  |                |
| 46.0   | 57.4                             | 103.0                                  | 6.4            | 60.1                             | 104.6                                  | 6.6            | 64.2                             | 106.2                                  | 7.0            |                                  |  |                |                                  |  |                |
| 48.0   | 55.6                             | 101.7                                  | 6.3            | 58.3                             | 103.4                                  | 6.5            | 62.5                             | 105.2                                  | 6.8            |                                  |  |                |                                  |  |                |
| 50.0   | 53.7                             | 100.2                                  | 6.2            | 56.6                             | 102.1                                  | 6.4            | 60.8                             | 104.1                                  | 6.7            |                                  |  |                |                                  |  |                |
| 55.0   | 48.9                             | 96.1                                   | 5.9            | 52.0                             | 98.4                                   | 6.1            | 56.4                             | 100.9                                  | 6.4            |                                  |  |                |                                  |  |                |
| 60.0   | 43.8                             | 91.3                                   | 5.7            | 47.0                             | 94.1                                   | 5.9            | 51.8                             | 97.2                                   | 6.1            |                                  |  |                |                                  |  |                |
| 62.4   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 97.6                                   | 6.1            |                                  |  |                |
| 65.0   | 38.0                             | 85.4                                   | 5.5            | 41.7                             | 88.9                                   | 5.7            | 46.9                             | 92.9                                   | 5.9            | 52.6                             | 95.6                                   | 6.0            |                                  |  |                |
| 70.0   | 31.4                             | 78.0                                   | 5.2            | 35.7                             | 82.5                                   | 5.6            | 41.5                             | 87.6                                   | 5.8            | 47.7                             | 91.3                                   | 5.8            |                                  |  |                |
| 75.0   | 23.2                             | 68.1                                   | 4.8            | 28.6                             | 74.3                                   | 5.2            | 35.5                             | 81.2                                   | 5.6            | 42.4                             | 86.2                                   | 5.7            |                                  |  |                |
| 79.0   | 15.5                             | 58.2                                   | 4.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 80.0   |                                  |  |                | 19.3                             | 62.8                                   | 4.8            | 28.4                             | 73.0                                   | 5.4            | 36.5                             | 80.0                                   | 5.6            |                                  |  |                |
| 82.0   |                                  |  |                | 15.8                             | 58.3                                   | 4.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                |                                  |  |                | 18.9                             | 61.3                                   | 5.1            | 29.6                             | 72.2                                   | 5.5            |                                  |  |                |
| 87.0   |                                  |  |                |                                  |  |                | 15.4                             | 56.7                                   | 4.7            |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                |                                  |  |                | 20.7                             | 61.3                                   | 5.4            |                                  |  |                |
| 91.1   |                                  |  |                |                                  |  |                |                                  |  |                | 15.9                             | 55.0                                   | 5.3            | 35.0                             | 71.0                                   | 5.1            |
| 92.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 29.6                             | 64.8                                   | 5.1            |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 21.9                             | 55.5                                   | 4.5            |
| 102.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.5                             | 49.8                                   | 4.2            |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 80.5 m Plumín<br>37.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 21.2   | 78.0                             | 116.7                                  | 8.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 77.4                             | 116.5                                  | 8.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 75.9                             | 116.0                                  | 7.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 74.4                             | 115.5                                  | 7.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 72.9                             | 114.9                                  | 7.2            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 71.4                             | 114.2                                  | 7.0            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 31.0   |                                  |  |                | 73.0                             | 114.6                                  | 7.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 69.9                             | 113.5                                  | 6.8            | 72.3                             | 114.2                                  | 7.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 68.4                             | 112.7                                  | 6.7            | 70.8                             | 113.6                                  | 7.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 66.8                             | 111.8                                  | 6.5            | 69.2                             | 112.8                                  | 6.8            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 65.3                             | 110.9                                  | 6.3            | 67.7                             | 112.0                                  | 6.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 63.7                             | 110.0                                  | 6.2            | 66.1                             | 111.1                                  | 6.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 62.0                             | 108.9                                  | 6.1            | 64.5                             | 110.2                                  | 6.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 60.4                             | 107.8                                  | 5.9            | 62.9                             | 109.2                                  | 6.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 58.7                             | 106.6                                  | 5.8            | 61.3                             | 108.1                                  | 6.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.3   |                                  |  |                |                                  |  |                | 65.0                             | 109.4                                  | 6.3            |                                  |  |                |                                  |  |                |
| 48.0   | 57.0                             | 105.3                                  | 5.7            | 59.7                             | 106.9                                  | 5.9            | 63.6                             | 108.5                                  | 6.2            |                                  |  |                |                                  |  |                |
| 50.0   | 55.3                             | 103.9                                  | 5.6            | 58.0                             | 105.7                                  | 5.8            | 62.0                             | 107.5                                  | 6.1            |                                  |  |                |                                  |  |                |
| 55.0   | 50.8                             | 100.1                                  | 5.3            | 53.6                             | 102.2                                  | 5.5            | 57.9                             | 104.5                                  | 5.8            |                                  |  |                |                                  |  |                |
| 60.0   | 46.0                             | 95.6                                   | 5.1            | 49.0                             | 98.1                                   | 5.3            | 53.5                             | 101.0                                  | 5.5            |                                  |  |                |                                  |  |                |
| 64.1   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 100.0                                  | 5.4            |                                  |  |                |
| 65.0   | 40.7                             | 90.2                                   | 4.9            | 44.0                             | 93.3                                   | 5.1            | 48.9                             | 96.9                                   | 5.3            | 54.2                             | 99.4                                   | 5.4            |                                  |  |                |
| 70.0   | 34.8                             | 83.6                                   | 4.8            | 38.6                             | 87.5                                   | 4.9            | 43.9                             | 92.1                                   | 5.1            | 49.6                             | 95.4                                   | 5.2            |                                  |  |                |
| 75.0   | 27.9                             | 75.2                                   | 4.5            | 32.3                             | 80.3                                   | 4.7            | 38.4                             | 86.3                                   | 5.0            | 44.7                             | 90.6                                   | 5.1            |                                  |  |                |
| 80.0   | 18.7                             | 63.3                                   | 4.1            | 24.8                             | 70.9                                   | 4.5            | 32.2                             | 79.1                                   | 4.9            | 39.3                             | 85.0                                   | 4.9            |                                  |  |                |
| 82.0   | 15.2                             | 58.6                                   | 3.6            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                | 15.5                             | 58.7                                   | 3.9            | 24.5                             | 69.6                                   | 4.8            | 33.2                             | 78.0                                   | 4.8            |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                | 15.1                             | 57.1                                   | 4.3            | 25.9                             | 69.0                                   | 4.8            |                                  |  |                |
| 93.6   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 72.7                                   | 4.5            |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.6                             | 55.5                                   | 4.8            | 33.2                             | 70.6                                   | 4.5            |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 25.8                             | 61.6                                   | 4.3            |
| 105.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 17.1                             | 50.2                                   | 3.7            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 83.5 m Plumín<br>40.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 21.8   | 78.0                             | 119.6                                  | 7.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.0   | 77.9                             | 119.6                                  | 7.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 76.4                             | 119.1                                  | 7.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 75.0                             | 118.6                                  | 6.8            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 73.6                             | 118.0                                  | 6.6            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 72.1                             | 117.4                                  | 6.4            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 31.9   |                                  |  |                | 73.0                             | 117.4                                  | 6.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 70.7                             | 116.7                                  | 6.2            | 72.9                             | 117.4                                  | 6.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 69.2                             | 115.9                                  | 6.1            | 71.5                             | 116.7                                  | 6.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 67.7                             | 115.1                                  | 5.9            | 70.0                             | 116.0                                  | 6.2            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 66.2                             | 114.2                                  | 5.8            | 68.5                             | 115.2                                  | 6.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 64.7                             | 113.3                                  | 5.6            | 67.0                             | 114.4                                  | 5.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 63.1                             | 112.3                                  | 5.5            | 65.5                             | 113.5                                  | 5.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 61.6                             | 111.2                                  | 5.4            | 64.0                             | 112.5                                  | 5.6            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 60.0                             | 110.1                                  | 5.3            | 62.4                             | 111.5                                  | 5.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 47.6   |                                  |  |                |                                  |  |                | 65.0                             | 112.1                                  | 5.6            |                                  |  |                |                                  |  |                |
| 48.0   | 58.4                             | 108.9                                  | 5.2            | 60.9                             | 110.4                                  | 5.4            | 64.7                             | 111.9                                  | 5.6            |                                  |  |                |                                  |  |                |
| 50.0   | 56.7                             | 107.6                                  | 5.1            | 59.3                             | 109.2                                  | 5.2            | 63.1                             | 110.9                                  | 5.5            |                                  |  |                |                                  |  |                |
| 55.0   | 52.5                             | 104.0                                  | 4.8            | 55.1                             | 105.9                                  | 5.0            | 59.2                             | 108.1                                  | 5.2            |                                  |  |                |                                  |  |                |
| 60.0   | 48.0                             | 99.7                                   | 4.6            | 50.8                             | 102.1                                  | 4.8            | 55.0                             | 104.8                                  | 5.0            |                                  |  |                |                                  |  |                |
| 65.0   | 43.1                             | 94.7                                   | 4.4            | 46.2                             | 97.6                                   | 4.6            | 50.7                             | 100.9                                  | 4.8            |                                  |  |                |                                  |  |                |
| 65.8   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 102.5                                  | 4.8            |                                  |  |                |
| 70.0   | 37.7                             | 88.7                                   | 4.2            | 41.1                             | 92.2                                   | 4.4            | 46.0                             | 96.4                                   | 4.6            | 51.4                             | 99.3                                   | 4.7            |                                  |  |                |
| 75.0   | 31.6                             | 81.3                                   | 4.0            | 35.5                             | 85.8                                   | 4.2            | 41.0                             | 91.0                                   | 4.4            | 46.8                             | 94.9                                   | 4.5            |                                  |  |                |
| 80.0   | 24.1                             | 71.7                                   | 3.7            | 29.0                             | 77.7                                   | 4.0            | 35.4                             | 84.5                                   | 4.3            | 41.8                             | 89.7                                   | 4.4            |                                  |  |                |
| 84.0   | 15.9                             | 60.4                                   | 3.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 85.0   |                                  |  |                | 20.6                             | 66.6                                   | 3.8            | 28.8                             | 76.4                                   | 4.2            | 36.3                             | 83.4                                   | 4.3            |                                  |  |                |
| 88.0   |                                  |  |                | 15.2                             | 59.1                                   | 3.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                |                                  |  |                | 20.4                             | 65.2                                   | 4.0            | 29.9                             | 75.5                                   | 4.2            |                                  |  |                |
| 92.0   |                                  |  |                |                                  |  |                | 15.8                             | 58.9                                   | 4.0            |                                  |  |                |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                |                                  |  |                | 21.9                             | 65.0                                   | 4.2            |                                  |  |                |
| 96.1   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 74.5                                   | 3.9            |
| 98.0   |                                  |  |                |                                  |  |                |                                  |  |                | 15.3                             | 55.8                                   | 4.1            |                                  |  |                |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 29.9                             | 68.1                                   | 3.9            |
| 105.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 23.0                             | 59.1                                   | 3.4            |
| 108.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.8                             | 50.6                                   | 3.1            |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 124.0  
 Lastre central [ t ]: 52.6

Pieza de articulación de pluma principal: 2821-1  
 Cabeza de pluma principal: 2821-1

| Alcan-<br>ce<br>[ m ]  | 88° Ángulo de pluma<br>principal |  |                | 83° Ángulo de pluma<br>principal |  |                | 75° Ángulo de pluma<br>principal |  |                | 65° Ángulo de pluma<br>principal |  |                | 45° Ángulo de pluma<br>principal |  |                |
|--|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|----------------------------------|--|----------------|
|  | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín<br>Cabeza de plumín (1916-1) 86.5 m Plumín<br>43.0 [ m ] Posición midfall (1916) |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 22.4   | 78.0                             | 122.6                                  | 6.6            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 24.0   | 76.9                             | 122.2                                  | 6.5            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 26.0   | 75.6                             | 121.7                                  | 6.3            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 28.0   | 74.2                             | 121.1                                  | 6.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 30.0   | 72.8                             | 120.5                                  | 5.9            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.0   | 71.4                             | 119.8                                  | 5.7            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 32.8   |                                  |  |                | 73.0                             | 120.3                                  | 5.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 34.0   | 70.0                             | 119.1                                  | 5.6            | 72.1                             | 119.9                                  | 5.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 36.0   | 68.5                             | 118.4                                  | 5.5            | 70.7                             | 119.2                                  | 5.7            |                                  |  |                |                                  |  |                |                                  |  |                |
| 38.0   | 67.1                             | 117.5                                  | 5.3            | 69.3                             | 118.5                                  | 5.5            |                                  |  |                |                                  |  |                |                                  |  |                |
| 40.0   | 65.6                             | 116.6                                  | 5.2            | 67.9                             | 117.7                                  | 5.4            |                                  |  |                |                                  |  |                |                                  |  |                |
| 42.0   | 64.2                             | 115.7                                  | 5.1            | 66.4                             | 116.8                                  | 5.3            |                                  |  |                |                                  |  |                |                                  |  |                |
| 44.0   | 62.7                             | 114.6                                  | 5.0            | 65.0                             | 115.9                                  | 5.1            |                                  |  |                |                                  |  |                |                                  |  |                |
| 46.0   | 61.1                             | 113.6                                  | 4.9            | 63.5                             | 114.9                                  | 5.0            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.0   | 59.6                             | 112.4                                  | 4.8            | 62.0                             | 113.8                                  | 4.9            |                                  |  |                |                                  |  |                |                                  |  |                |
| 48.8   |                                  |  |                |                                  |  |                | 65.0                             | 114.8                                  | 5.1            |                                  |  |                |                                  |  |                |
| 50.0   | 58.0                             | 111.2                                  | 4.6            | 60.5                             | 112.7                                  | 4.8            | 64.1                             | 114.2                                  | 5.1            |                                  |  |                |                                  |  |                |
| 55.0   | 54.0                             | 107.7                                  | 4.4            | 56.5                             | 109.6                                  | 4.6            | 60.3                             | 111.6                                  | 4.8            |                                  |  |                |                                  |  |                |
| 60.0   | 49.8                             | 103.7                                  | 4.2            | 52.4                             | 105.9                                  | 4.4            | 56.4                             | 108.4                                  | 4.6            |                                  |  |                |                                  |  |                |
| 65.0   | 45.2                             | 99.1                                   | 4.0            | 48.1                             | 101.7                                  | 4.2            | 52.3                             | 104.8                                  | 4.4            |                                  |  |                |                                  |  |                |
| 67.6   |                                  |  |                |                                  |  |                |                                  |  |                | 55.0                             | 104.9                                  | 4.3            |                                  |  |                |
| 70.0   | 40.3                             | 93.5                                   | 3.8            | 43.4                             | 96.7                                   | 3.9            | 47.9                             | 100.5                                  | 4.2            | 53.0                             | 103.1                                  | 4.3            |                                  |  |                |
| 75.0   | 34.7                             | 86.9                                   | 3.6            | 38.2                             | 90.9                                   | 3.8            | 43.2                             | 95.5                                   | 4.0            | 48.7                             | 99.0                                   | 4.1            |                                  |  |                |
| 80.0   | 28.3                             | 78.6                                   | 3.4            | 32.4                             | 83.7                                   | 3.6            | 38.1                             | 89.6                                   | 3.8            | 44.0                             | 94.1                                   | 4.0            |                                  |  |                |
| 85.0   | 20.1                             | 67.2                                   | 3.2            | 25.5                             | 74.4                                   | 3.4            | 32.3                             | 82.4                                   | 3.7            | 39.0                             | 88.3                                   | 3.8            |                                  |  |                |
| 87.0   | 15.6                             | 60.8                                   | 3.1            |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                |
| 90.0   |                                  |  |                | 15.9                             | 60.9                                   | 3.3            | 25.3                             | 73.1                                   | 3.6            | 33.3                             | 81.4                                   | 3.7            |                                  |  |                |
| 95.0   |                                  |  |                |                                  |  |                | 15.5                             | 59.3                                   | 3.4            | 26.5                             | 72.5                                   | 3.6            |                                  |  |                |
| 98.5   |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 35.0                             | 76.2                                   | 3.5            |
| 100.0  |                                  |  |                |                                  |  |                |                                  |  |                | 17.4                             | 59.8                                   | 3.5            | 33.2                             | 74.0                                   | 3.4            |
| 101.0  |                                  |  |                |                                  |  |                |                                  |  |                | 16.6                             | 58.5                                   | 3.0            |                                  |  |                |
| 105.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 26.5                             | 65.1                                   | 3.3            |
| 110.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 18.7                             | 54.3                                   | 2.8            |
| 111.0  |                                  |  |                |                                  |  |                |                                  |  |                |                                  |  |                | 16.5                             | 51.1                                   | 2.7            |