

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 41.5 m Plumín<br>22.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 9.3   | 78.0                             | 59.7                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 76.0                             | 59.5                                   | 15.1           | 28.9           |                |                |                |                |                |                |
| 11.0  | 73.3                             | 59.2                                   | 15.1           | 23.8           |                |                |                |                |                |                |
| 12.0  | 70.5                             | 58.8                                   | 15.1           | 19.9           |                |                |                |                |                |                |
| 13.0  | 67.7                             | 58.4                                   | 15.1           | 17.3           |                |                |                |                |                |                |
| 14.0  | 64.8                             | 58.0                                   | 15.1           | 15.1           |                |                |                |                |                |                |
| 16.0  | 58.9                             | 56.8                                   | 13.5           | 12.1           |                |                |                |                |                |                |
| 18.0  | 52.4                             | 55.4                                   | 10.6           | 9.9            |                |                |                |                |                |                |
| 20.0  | 45.3                             | 53.6                                   | 8.7            | 8.3            |                |                |                |                |                |                |
| 22.0  | 37.1                             | 51.2                                   | 7.2            | 7.1            |                |                |                |                |                |                |
| 24.0  | 26.8                             | 48.0                                   | 6.1            | 6.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.2  | 73.0                             | 58.8                                   |                | 22.1           |                |                |                |                |                |                |
| 16.0  | 68.0                             | 58.2                                   | 15.1           | 17.5           |                |                |                |                |                |                |
| 18.0  | 62.2                             | 57.2                                   | 15.1           | 13.6           |                |                |                |                |                |                |
| 20.0  | 56.0                             | 55.9                                   | 12.1           | 11.0           |                |                |                |                |                |                |
| 22.0  | 49.3                             | 54.3                                   | 9.8            | 9.2            |                |                |                |                |                |                |
| 24.0  | 41.8                             | 52.3                                   | 8.0            | 7.7            |                |                |                |                |                |                |
| 26.0  | 32.9                             | 49.6                                   | 6.7            | 6.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 21.9  | 65.0                             | 56.6                                   |                | 14.7           |                |                |                |                |                |                |
| 22.0  | 64.7                             | 56.6                                   | 15.1           | 14.7           |                |                |                |                |                |                |
| 24.0  | 58.7                             | 55.4                                   | 13.6           | 12.1           |                |                |                |                |                |                |
| 26.0  | 52.3                             | 54.0                                   | 10.6           | 9.9            |                |                |                |                |                |                |
| 28.0  | 45.2                             | 52.2                                   | 8.7            | 8.3            |                |                |                |                |                |                |
| 30.0  | 37.0                             | 49.8                                   | 7.2            | 7.1            |                |                |                |                |                |                |
| 32.0  | 26.6                             | 46.5                                   | 6.2            | 6.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 31.0  | 55.0                             | 52.3                                   |                | 10.4           |                |                |                |                |                |                |
| 32.0  | 51.6                             | 51.5                                   | 9.2            | 9.7            |                |                |                |                |                |                |
| 34.0  | 44.4                             | 49.7                                   | 7.6            | 8.2            |                |                |                |                |                |                |
| 36.0  | 36.0                             | 47.2                                   | 6.5            | 7.0            |                |                |                |                |                |                |
| 38.0  | 25.2                             | 43.8                                   | 5.7            | 6.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 45.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 46.2  | 35.0                             | 39.3                                   |                | 2.4            |                |                |                |                |                |                |
| 48.0  | 26.4                             | 36.4                                   | 2.4            |                |                |                |                |                |                |                |
| 49.0  | 19.4                             | 33.8                                   | 2.1            |                |                |                |                |                |                |                |

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 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 44.5 m Plumín<br>22.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 9.3   | 78.0                             | 59.7                                   |                | 30.1           |                |                |                |                |                |                |
| 10.0  | 76.2                             | 59.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 73.5                             | 59.2                                   | 15.1           | 29.5           |                |                |                |                |                |                |
| 12.0  | 70.7                             | 58.9                                   | 15.1           | 27.1           |                |                |                |                |                |                |
| 13.0  | 67.9                             | 58.5                                   | 15.1           | 24.2           |                |                |                |                |                |                |
| 14.0  | 65.0                             | 58.0                                   | 15.1           | 20.8           |                |                |                |                |                |                |
| 16.0  | 59.0                             | 56.9                                   | 14.8           | 16.4           |                |                |                |                |                |                |
| 18.0  | 52.6                             | 55.5                                   | 14.1           | 13.3           |                |                |                |                |                |                |
| 20.0  | 45.5                             | 53.6                                   | 12.1           | 11.0           |                |                |                |                |                |                |
| 22.0  | 37.3                             | 51.3                                   | 9.6            | 9.2            |                |                |                |                |                |                |
| 24.0  | 27.0                             | 48.0                                   | 8.0            | 7.8            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.3  | 73.0                             | 58.8                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 16.0  | 68.2                             | 58.2                                   | 15.1           | 24.6           |                |                |                |                |                |                |
| 18.0  | 62.4                             | 57.2                                   | 15.1           | 18.6           |                |                |                |                |                |                |
| 20.0  | 56.2                             | 56.0                                   | 13.5           | 14.8           |                |                |                |                |                |                |
| 22.0  | 49.5                             | 54.4                                   | 12.0           | 12.3           |                |                |                |                |                |                |
| 24.0  | 42.0                             | 52.3                                   | 9.7            | 10.2           |                |                |                |                |                |                |
| 26.0  | 33.1                             | 49.7                                   | 8.1            | 8.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 22.0  | 65.0                             | 56.6                                   |                | 18.3           |                |                |                |                |                |                |
| 24.0  | 58.9                             | 55.5                                   | 15.1           | 15.7           |                |                |                |                |                |                |
| 26.0  | 52.5                             | 54.0                                   | 12.8           | 13.3           |                |                |                |                |                |                |
| 28.0  | 45.4                             | 52.2                                   | 10.7           | 11.1           |                |                |                |                |                |                |
| 30.0  | 37.2                             | 49.9                                   | 8.8            | 9.3            |                |                |                |                |                |                |
| 32.0  | 26.8                             | 46.6                                   | 7.5            | 8.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 31.0  | 55.0                             | 52.2                                   |                | 8.3            |                |                |                |                |                |                |
| 32.0  | 51.8                             | 51.6                                   | 9.3            | 7.6            |                |                |                |                |                |                |
| 34.0  | 44.6                             | 49.7                                   | 8.0            | 6.5            |                |                |                |                |                |                |
| 36.0  | 36.2                             | 47.3                                   | 6.9            | 5.5            |                |                |                |                |                |                |
| 38.0  | 25.5                             | 43.9                                   | 5.9            | 4.7            |                |                |                |                |                |                |
| 39.0  | 17.7                             | 41.4                                   | 5.5            | 4.2            |                |                |                |                |                |                |

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 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 44.5 m Plumín<br>25.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 9.9   | 78.0                             | 62.6                                   | 15.1           | 28.1           |                |                |                |                |                |                |
| 10.0  | 77.7                             | 62.6                                   | 15.1           | 28.1           |                |                |                |                |                |                |
| 11.0  | 75.4                             | 62.3                                   | 15.1           | 24.2           |                |                |                |                |                |                |
| 12.0  | 73.0                             | 62.0                                   | 15.1           | 20.6           |                |                |                |                |                |                |
| 13.0  | 70.5                             | 61.7                                   | 15.1           | 17.7           |                |                |                |                |                |                |
| 14.0  | 68.1                             | 61.3                                   | 14.8           | 15.7           |                |                |                |                |                |                |
| 16.0  | 63.0                             | 60.3                                   | 13.5           | 12.5           |                |                |                |                |                |                |
| 18.0  | 57.6                             | 59.1                                   | 11.2           | 10.3           |                |                |                |                |                |                |
| 20.0  | 51.9                             | 57.7                                   | 8.9            | 8.7            |                |                |                |                |                |                |
| 22.0  | 45.7                             | 55.8                                   | 7.5            | 7.4            |                |                |                |                |                |                |
| 24.0  | 38.6                             | 53.6                                   | 6.4            | 6.4            |                |                |                |                |                |                |
| 26.0  | 30.2                             | 50.6                                   | 5.5            | 5.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 15.1  | 73.0                             | 61.7                                   | 15.1           | 19.6           |                |                |                |                |                |                |
| 16.0  | 70.8                             | 61.4                                   | 15.1           | 18.0           |                |                |                |                |                |                |
| 18.0  | 65.8                             | 60.5                                   | 14.4           | 14.0           |                |                |                |                |                |                |
| 20.0  | 60.6                             | 59.5                                   | 12.7           | 11.5           |                |                |                |                |                |                |
| 22.0  | 55.1                             | 58.2                                   | 10.1           | 9.5            |                |                |                |                |                |                |
| 24.0  | 49.2                             | 56.6                                   | 8.3            | 8.1            |                |                |                |                |                |                |
| 26.0  | 42.6                             | 54.6                                   | 7.0            | 6.9            |                |                |                |                |                |                |
| 28.0  | 35.1                             | 52.0                                   | 6.0            | 6.0            |                |                |                |                |                |                |
| 30.0  | 25.6                             | 48.5                                   | 5.2            | 5.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 23.2  | 65.0                             | 59.3                                   |                | 13.1           |                |                |                |                |                |                |
| 24.0  | 62.9                             | 58.9                                   | 14.1           | 12.5           |                |                |                |                |                |                |
| 26.0  | 57.5                             | 57.7                                   | 11.1           | 10.3           |                |                |                |                |                |                |
| 28.0  | 51.8                             | 56.2                                   | 8.9            | 8.6            |                |                |                |                |                |                |
| 30.0  | 45.6                             | 54.4                                   | 7.5            | 7.4            |                |                |                |                |                |                |
| 32.0  | 38.5                             | 52.1                                   | 6.4            | 6.4            |                |                |                |                |                |                |
| 34.0  | 30.0                             | 49.1                                   | 5.6            | 5.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 32.7  | 55.0                             | 54.7                                   |                | 9.2            |                |                |                |                |                |                |
| 34.0  | 51.2                             | 53.8                                   | 8.8            | 8.5            |                |                |                |                |                |                |
| 36.0  | 44.9                             | 51.9                                   | 7.4            | 7.3            |                |                |                |                |                |                |
| 38.0  | 37.7                             | 49.6                                   | 6.3            | 6.3            |                |                |                |                |                |                |
| 40.0  | 29.0                             | 46.5                                   | 5.5            | 5.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 45.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 48.8  | 35.0                             | 41.0                                   | 2.1            |                |                |                |                |                |                |                |
| 49.0  | 34.3                             | 40.8                                   | 2.1            |                |                |                |                |                |                |                |

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 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 47.5 m Plumín<br>25.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 9.9   | 78.0                             | 62.6                                   |                | 30.1           |                |                |                |                |                |                |
| 10.0  | 77.9                             | 62.6                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 75.5                             | 62.4                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 73.1                             | 62.1                                   | 15.1           | 28.3           |                |                |                |                |                |                |
| 13.0  | 70.7                             | 61.7                                   | 15.1           | 24.5           |                |                |                |                |                |                |
| 14.0  | 68.2                             | 61.3                                   | 15.1           | 21.7           |                |                |                |                |                |                |
| 16.0  | 63.1                             | 60.3                                   | 15.1           | 16.9           |                |                |                |                |                |                |
| 18.0  | 57.8                             | 59.2                                   | 13.1           | 13.8           |                |                |                |                |                |                |
| 20.0  | 52.1                             | 57.7                                   | 11.0           | 11.5           |                |                |                |                |                |                |
| 22.0  | 45.8                             | 55.9                                   | 9.2            | 9.7            |                |                |                |                |                |                |
| 24.0  | 38.8                             | 53.6                                   | 7.7            | 8.2            |                |                |                |                |                |                |
| 26.0  | 30.4                             | 50.7                                   | 6.5            | 7.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 15.1  | 73.0                             | 61.7                                   |                | 27.2           |                |                |                |                |                |                |
| 16.0  | 70.9                             | 61.4                                   | 15.1           | 25.2           |                |                |                |                |                |                |
| 18.0  | 65.9                             | 60.6                                   | 15.1           | 19.2           |                |                |                |                |                |                |
| 20.0  | 60.7                             | 59.5                                   | 14.7           | 15.4           |                |                |                |                |                |                |
| 22.0  | 55.3                             | 58.2                                   | 12.1           | 12.6           |                |                |                |                |                |                |
| 24.0  | 49.3                             | 56.6                                   | 10.2           | 10.7           |                |                |                |                |                |                |
| 26.0  | 42.8                             | 54.6                                   | 8.5            | 9.0            |                |                |                |                |                |                |
| 28.0  | 35.2                             | 52.1                                   | 7.2            | 7.7            |                |                |                |                |                |                |
| 30.0  | 25.7                             | 48.6                                   | 6.2            | 6.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 23.2  | 65.0                             | 59.3                                   |                | 16.6           |                |                |                |                |                |                |
| 24.0  | 63.0                             | 58.9                                   | 15.1           | 15.7           |                |                |                |                |                |                |
| 26.0  | 57.7                             | 57.7                                   | 13.6           | 13.6           |                |                |                |                |                |                |
| 28.0  | 52.0                             | 56.3                                   | 11.0           | 11.4           |                |                |                |                |                |                |
| 30.0  | 45.7                             | 54.5                                   | 9.2            | 9.7            |                |                |                |                |                |                |
| 32.0  | 38.7                             | 52.2                                   | 7.8            | 8.3            |                |                |                |                |                |                |
| 34.0  | 30.2                             | 49.2                                   | 6.7            | 7.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 32.7  | 55.0                             | 54.7                                   |                | 7.1            |                |                |                |                |                |                |
| 34.0  | 51.3                             | 53.8                                   | 7.7            | 6.4            |                |                |                |                |                |                |
| 36.0  | 45.0                             | 52.0                                   | 6.7            | 5.5            |                |                |                |                |                |                |
| 38.0  | 37.9                             | 49.6                                   | 5.7            | 4.6            |                |                |                |                |                |                |
| 40.0  | 29.2                             | 46.6                                   | 4.9            | 3.9            |                |                |                |                |                |                |
| 42.0  | 16.5                             | 41.8                                   | 4.1            | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 47.5 m Plumín<br>28.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.5  | 78.0                             | 65.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 77.0                             | 65.4                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 74.8                             | 65.2                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 13.0  | 72.7                             | 64.8                                   | 15.1           | 28.1           |                |                |                |                |                |                |
| 14.0  | 70.5                             | 64.5                                   | 15.1           | 25.2           |                |                |                |                |                |                |
| 16.0  | 66.1                             | 63.7                                   | 15.1           | 20.7           |                |                |                |                |                |                |
| 18.0  | 61.5                             | 62.6                                   | 15.1           | 17.4           |                |                |                |                |                |                |
| 20.0  | 56.7                             | 61.4                                   | 14.4           | 14.9           |                |                |                |                |                |                |
| 22.0  | 51.5                             | 59.9                                   | 13.8           | 13.1           |                |                |                |                |                |                |
| 24.0  | 46.0                             | 58.1                                   | 12.3           | 11.6           |                |                |                |                |                |                |
| 26.0  | 39.8                             | 55.9                                   | 10.7           | 10.4           |                |                |                |                |                |                |
| 28.0  | 32.6                             | 53.1                                   | 9.5            | 9.5            |                |                |                |                |                |                |
| 30.0  | 23.5                             | 49.3                                   | 8.6            | 8.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 16.0  | 73.0                             | 64.6                                   | 15.1           | 27.6           |                |                |                |                |                |                |
| 18.0  | 68.6                             | 63.8                                   | 15.1           | 23.0           |                |                |                |                |                |                |
| 20.0  | 64.0                             | 62.9                                   | 15.1           | 18.9           |                |                |                |                |                |                |
| 22.0  | 59.3                             | 61.8                                   | 14.5           | 16.2           |                |                |                |                |                |                |
| 24.0  | 54.4                             | 60.4                                   | 13.3           | 14.0           |                |                |                |                |                |                |
| 26.0  | 49.1                             | 58.8                                   | 12.1           | 12.4           |                |                |                |                |                |                |
| 28.0  | 43.3                             | 56.8                                   | 10.6           | 11.1           |                |                |                |                |                |                |
| 30.0  | 36.7                             | 54.4                                   | 9.4            | 10.0           |                |                |                |                |                |                |
| 32.0  | 28.9                             | 51.2                                   | 8.6            | 9.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 24.4  | 65.0                             | 62.0                                   |                | 17.9           |                |                |                |                |                |                |
| 26.0  | 61.4                             | 61.2                                   | 15.1           | 16.3           |                |                |                |                |                |                |
| 28.0  | 56.6                             | 60.0                                   | 14.6           | 14.6           |                |                |                |                |                |                |
| 30.0  | 51.4                             | 58.5                                   | 13.7           | 13.1           |                |                |                |                |                |                |
| 32.0  | 45.9                             | 56.7                                   | 12.2           | 11.7           |                |                |                |                |                |                |
| 34.0  | 39.7                             | 54.4                                   | 10.7           | 10.4           |                |                |                |                |                |                |
| 36.0  | 32.5                             | 51.6                                   | 9.5            | 9.5            |                |                |                |                |                |                |
| 38.0  | 23.3                             | 47.8                                   | 8.6            | 8.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 34.4  | 55.0                             | 57.2                                   |                | 8.8            |                |                |                |                |                |                |
| 36.0  | 50.9                             | 56.0                                   | 9.4            | 8.1            |                |                |                |                |                |                |
| 38.0  | 45.3                             | 54.2                                   | 8.5            | 7.2            |                |                |                |                |                |                |
| 40.0  | 39.0                             | 51.9                                   | 7.7            | 6.5            |                |                |                |                |                |                |
| 42.0  | 31.7                             | 49.0                                   | 6.9            | 5.8            |                |                |                |                |                |                |
| 44.0  | 22.2                             | 45.1                                   | 6.2            | 5.1            |                |                |                |                |                |                |
| 45.0  | 15.3                             | 42.2                                   | 5.9            | 4.8            |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 50.5 m Plumín<br>19.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 8.6   | 78.0                             | 56.7                                   |                | 30.1           |                |                |                |                |                |                |
| 9.0   | 76.9                             | 56.7                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 73.7                             | 56.4                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 70.5                             | 56.0                                   | 15.1           | 27.5           |                |                |                |                |                |                |
| 12.0  | 67.3                             | 55.6                                   | 15.1           | 24.4           |                |                |                |                |                |                |
| 13.0  | 63.9                             | 55.1                                   | 15.1           | 20.8           |                |                |                |                |                |                |
| 14.0  | 60.4                             | 54.5                                   | 15.1           | 18.2           |                |                |                |                |                |                |
| 16.0  | 53.1                             | 53.2                                   | 15.0           | 14.3           |                |                |                |                |                |                |
| 18.0  | 44.8                             | 51.4                                   | 13.0           | 11.6           |                |                |                |                |                |                |
| 20.0  | 35.0                             | 48.9                                   | 10.2           | 9.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.3  | 73.0                             | 55.9                                   |                | 30.1           |                |                |                |                |                |                |
| 14.0  | 70.9                             | 55.7                                   | 15.1           | 29.3           |                |                |                |                |                |                |
| 16.0  | 64.3                             | 54.8                                   | 15.1           | 21.1           |                |                |                |                |                |                |
| 18.0  | 57.2                             | 53.7                                   | 15.1           | 16.2           |                |                |                |                |                |                |
| 20.0  | 49.5                             | 52.1                                   | 14.7           | 13.0           |                |                |                |                |                |                |
| 22.0  | 40.7                             | 50.0                                   | 11.6           | 10.6           |                |                |                |                |                |                |
| 24.0  | 29.6                             | 47.1                                   | 9.4            | 9.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 20.6  | 65.0                             | 53.8                                   |                | 18.8           |                |                |                |                |                |                |
| 22.0  | 60.3                             | 53.1                                   | 15.1           | 16.7           |                |                |                |                |                |                |
| 24.0  | 52.9                             | 51.7                                   | 14.9           | 14.1           |                |                |                |                |                |                |
| 26.0  | 44.7                             | 49.9                                   | 12.9           | 11.6           |                |                |                |                |                |                |
| 28.0  | 34.8                             | 47.4                                   | 10.3           | 9.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 29.3  | 55.0                             | 49.8                                   |                | 9.1            |                |                |                |                |                |                |
| 30.0  | 52.1                             | 49.3                                   | 11.2           | 8.5            |                |                |                |                |                |                |
| 32.0  | 43.8                             | 47.4                                   | 9.7            | 7.2            |                |                |                |                |                |                |
| 34.0  | 33.7                             | 44.9                                   | 8.4            | 6.0            |                |                |                |                |                |                |
| 36.0  | 19.0                             | 40.8                                   | 7.2            | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 50.5 m Plumín<br>28.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.6  | 78.0                             | 65.6                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 77.1                             | 65.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 75.0                             | 65.2                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 13.0  | 72.8                             | 64.9                                   | 15.1           | 29.7           |                |                |                |                |                |                |
| 14.0  | 70.7                             | 64.5                                   | 15.1           | 29.0           |                |                |                |                |                |                |
| 16.0  | 66.2                             | 63.7                                   | 15.1           | 24.5           |                |                |                |                |                |                |
| 18.0  | 61.6                             | 62.7                                   | 15.1           | 20.3           |                |                |                |                |                |                |
| 20.0  | 56.8                             | 61.4                                   | 15.1           | 17.2           |                |                |                |                |                |                |
| 22.0  | 51.7                             | 59.9                                   | 15.1           | 14.8           |                |                |                |                |                |                |
| 24.0  | 46.1                             | 58.1                                   | 13.6           | 13.0           |                |                |                |                |                |                |
| 26.0  | 39.9                             | 55.9                                   | 11.8           | 11.4           |                |                |                |                |                |                |
| 28.0  | 32.8                             | 53.1                                   | 10.4           | 10.1           |                |                |                |                |                |                |
| 30.0  | 23.7                             | 49.4                                   | 9.1            | 9.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 16.0  | 73.0                             | 64.6                                   |                | 30.1           |                |                |                |                |                |                |
| 18.0  | 68.7                             | 63.8                                   | 15.1           | 26.3           |                |                |                |                |                |                |
| 20.0  | 64.2                             | 62.9                                   | 15.1           | 22.3           |                |                |                |                |                |                |
| 22.0  | 59.5                             | 61.8                                   | 15.1           | 18.8           |                |                |                |                |                |                |
| 24.0  | 54.5                             | 60.5                                   | 15.1           | 16.0           |                |                |                |                |                |                |
| 26.0  | 49.2                             | 58.8                                   | 14.5           | 14.0           |                |                |                |                |                |                |
| 28.0  | 43.4                             | 56.9                                   | 12.7           | 12.2           |                |                |                |                |                |                |
| 30.0  | 36.9                             | 54.4                                   | 11.2           | 10.8           |                |                |                |                |                |                |
| 32.0  | 29.0                             | 51.3                                   | 9.9            | 9.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 24.5  | 65.0                             | 62.0                                   |                | 15.2           |                |                |                |                |                |                |
| 26.0  | 61.5                             | 61.2                                   | 15.1           | 13.7           |                |                |                |                |                |                |
| 28.0  | 56.7                             | 60.0                                   | 14.4           | 12.0           |                |                |                |                |                |                |
| 30.0  | 51.6                             | 58.5                                   | 12.8           | 10.5           |                |                |                |                |                |                |
| 32.0  | 46.0                             | 56.7                                   | 11.3           | 9.2            |                |                |                |                |                |                |
| 34.0  | 39.8                             | 54.5                                   | 10.1           | 8.1            |                |                |                |                |                |                |
| 36.0  | 32.6                             | 51.7                                   | 8.9            | 7.1            |                |                |                |                |                |                |
| 38.0  | 23.5                             | 47.9                                   | 7.9            | 6.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 34.5  | 55.0                             | 57.2                                   |                | 6.2            |                |                |                |                |                |                |
| 36.0  | 51.0                             | 56.1                                   | 6.5            | 5.5            |                |                |                |                |                |                |
| 38.0  | 45.4                             | 54.2                                   | 5.6            | 4.6            |                |                |                |                |                |                |
| 40.0  | 39.1                             | 52.0                                   | 4.8            | 3.9            |                |                |                |                |                |                |
| 42.0  | 31.8                             | 49.1                                   | 4.0            | 3.2            |                |                |                |                |                |                |
| 44.0  | 22.3                             | 45.1                                   | 3.3            | 2.6            |                |                |                |                |                |                |
| 45.0  | 15.5                             | 42.3                                   | 2.9            | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 53.5 m Plumín<br>22.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 9.3   | 78.0                             | 59.7                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 76.0                             | 59.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 73.3                             | 59.2                                   | 15.1           | 27.3           |                |                |                |                |                |                |
| 12.0  | 70.5                             | 58.8                                   | 15.1           | 22.8           |                |                |                |                |                |                |
| 13.0  | 67.7                             | 58.4                                   | 15.1           | 19.8           |                |                |                |                |                |                |
| 14.0  | 64.8                             | 58.0                                   | 15.1           | 17.2           |                |                |                |                |                |                |
| 16.0  | 58.9                             | 56.8                                   | 14.1           | 13.6           |                |                |                |                |                |                |
| 18.0  | 52.4                             | 55.4                                   | 11.7           | 10.9           |                |                |                |                |                |                |
| 20.0  | 45.3                             | 53.6                                   | 9.6            | 9.1            |                |                |                |                |                |                |
| 22.0  | 37.1                             | 51.2                                   | 7.7            | 7.5            |                |                |                |                |                |                |
| 24.0  | 26.8                             | 48.0                                   | 6.5            | 6.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.2  | 73.0                             | 58.8                                   |                | 24.6           |                |                |                |                |                |                |
| 16.0  | 68.0                             | 58.2                                   | 15.1           | 20.0           |                |                |                |                |                |                |
| 18.0  | 62.2                             | 57.2                                   | 15.1           | 15.4           |                |                |                |                |                |                |
| 20.0  | 56.0                             | 55.9                                   | 12.9           | 12.2           |                |                |                |                |                |                |
| 22.0  | 49.3                             | 54.3                                   | 10.9           | 10.1           |                |                |                |                |                |                |
| 24.0  | 41.8                             | 52.3                                   | 8.7            | 8.3            |                |                |                |                |                |                |
| 26.0  | 32.9                             | 49.6                                   | 7.2            | 7.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 21.9  | 65.0                             | 56.6                                   |                | 16.3           |                |                |                |                |                |                |
| 22.0  | 64.7                             | 56.6                                   | 15.1           | 16.2           |                |                |                |                |                |                |
| 24.0  | 58.7                             | 55.4                                   | 15.0           | 13.4           |                |                |                |                |                |                |
| 26.0  | 52.3                             | 54.0                                   | 11.9           | 10.9           |                |                |                |                |                |                |
| 28.0  | 45.2                             | 52.2                                   | 9.6            | 9.1            |                |                |                |                |                |                |
| 30.0  | 37.0                             | 49.8                                   | 7.8            | 7.6            |                |                |                |                |                |                |
| 32.0  | 26.6                             | 46.5                                   | 6.6            | 6.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 31.0  | 55.0                             | 52.3                                   |                | 8.1            |                |                |                |                |                |                |
| 32.0  | 51.6                             | 51.5                                   | 9.6            | 7.4            |                |                |                |                |                |                |
| 34.0  | 44.4                             | 49.7                                   | 8.4            | 6.3            |                |                |                |                |                |                |
| 36.0  | 36.0                             | 47.2                                   | 7.2            | 5.3            |                |                |                |                |                |                |
| 38.0  | 25.2                             | 43.8                                   | 6.2            | 4.5            |                |                |                |                |                |                |
| 39.0  | 17.5                             | 41.3                                   | 5.7            | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 53.5 m Plumín<br>31.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.2  | 78.0                             | 68.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 76.5                             | 68.3                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 13.0  | 74.5                             | 68.0                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 14.0  | 72.6                             | 67.7                                   | 15.1           | 28.0           |                |                |                |                |                |                |
| 16.0  | 68.7                             | 67.0                                   | 15.1           | 23.6           |                |                |                |                |                |                |
| 18.0  | 64.6                             | 66.1                                   | 15.1           | 19.2           |                |                |                |                |                |                |
| 20.0  | 60.4                             | 65.0                                   | 14.8           | 16.3           |                |                |                |                |                |                |
| 22.0  | 56.0                             | 63.7                                   | 13.7           | 14.0           |                |                |                |                |                |                |
| 24.0  | 51.3                             | 62.2                                   | 12.8           | 12.3           |                |                |                |                |                |                |
| 26.0  | 46.3                             | 60.4                                   | 11.2           | 10.8           |                |                |                |                |                |                |
| 28.0  | 40.8                             | 58.2                                   | 9.6            | 9.5            |                |                |                |                |                |                |
| 30.0  | 34.6                             | 55.6                                   | 8.3            | 8.4            |                |                |                |                |                |                |
| 32.0  | 27.1                             | 52.2                                   | 7.5            | 7.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 16.9  | 73.0                             | 67.4                                   |                | 28.4           |                |                |                |                |                |                |
| 18.0  | 70.8                             | 67.1                                   | 15.1           | 26.3           |                |                |                |                |                |                |
| 20.0  | 66.8                             | 66.3                                   | 15.1           | 21.4           |                |                |                |                |                |                |
| 22.0  | 62.7                             | 65.3                                   | 15.1           | 17.8           |                |                |                |                |                |                |
| 24.0  | 58.4                             | 64.1                                   | 14.3           | 15.2           |                |                |                |                |                |                |
| 26.0  | 53.9                             | 62.7                                   | 13.4           | 13.1           |                |                |                |                |                |                |
| 28.0  | 49.1                             | 61.1                                   | 12.2           | 11.6           |                |                |                |                |                |                |
| 30.0  | 43.9                             | 59.1                                   | 10.5           | 10.2           |                |                |                |                |                |                |
| 32.0  | 38.1                             | 56.8                                   | 9.1            | 9.0            |                |                |                |                |                |                |
| 34.0  | 31.4                             | 53.8                                   | 8.0            | 8.1            |                |                |                |                |                |                |
| 36.0  | 22.9                             | 49.9                                   | 7.1            | 7.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 25.8  | 65.0                             | 64.7                                   |                | 13.8           |                |                |                |                |                |                |
| 26.0  | 64.5                             | 64.6                                   | 15.1           | 13.5           |                |                |                |                |                |                |
| 28.0  | 60.3                             | 63.6                                   | 14.0           | 11.8           |                |                |                |                |                |                |
| 30.0  | 55.9                             | 62.3                                   | 12.4           | 10.4           |                |                |                |                |                |                |
| 32.0  | 51.2                             | 60.7                                   | 11.0           | 9.1            |                |                |                |                |                |                |
| 34.0  | 46.2                             | 58.9                                   | 9.7            | 8.0            |                |                |                |                |                |                |
| 36.0  | 40.7                             | 56.8                                   | 8.6            | 7.0            |                |                |                |                |                |                |
| 38.0  | 34.5                             | 54.1                                   | 7.6            | 6.1            |                |                |                |                |                |                |
| 40.0  | 26.9                             | 50.7                                   | 6.7            | 5.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 36.2  | 55.0                             | 59.6                                   |                | 5.2            |                |                |                |                |                |                |
| 38.0  | 50.7                             | 58.3                                   | 5.3            | 4.4            |                |                |                |                |                |                |
| 40.0  | 45.7                             | 56.5                                   | 4.4            | 3.7            |                |                |                |                |                |                |
| 42.0  | 40.1                             | 54.2                                   | 3.7            | 3.1            |                |                |                |                |                |                |
| 44.0  | 33.8                             | 51.5                                   | 3.0            | 2.5            |                |                |                |                |                |                |
| 46.0  | 27.0                             | 48.0                                   | 2.4            |                |                |                |                |                |                |                |
| 47.0  | 22.4                             | 45.7                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 56.5 m Plumín<br>22.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 9.3   | 78.0                             | 59.7                                   |                | 30.1           |                |                |                |                |                |                |
| 10.0  | 76.2                             | 59.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 73.5                             | 59.2                                   | 15.1           | 30.0           |                |                |                |                |                |                |
| 12.0  | 70.7                             | 58.9                                   | 15.1           | 28.5           |                |                |                |                |                |                |
| 13.0  | 67.9                             | 58.5                                   | 15.1           | 26.2           |                |                |                |                |                |                |
| 14.0  | 65.0                             | 58.0                                   | 15.1           | 22.6           |                |                |                |                |                |                |
| 16.0  | 59.0                             | 56.9                                   | 15.1           | 17.7           |                |                |                |                |                |                |
| 18.0  | 52.6                             | 55.5                                   | 14.9           | 14.3           |                |                |                |                |                |                |
| 20.0  | 45.5                             | 53.6                                   | 13.0           | 11.9           |                |                |                |                |                |                |
| 22.0  | 37.3                             | 51.3                                   | 10.4           | 9.8            |                |                |                |                |                |                |
| 24.0  | 27.0                             | 48.0                                   | 8.5            | 8.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.3  | 73.0                             | 58.8                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 16.0  | 68.2                             | 58.2                                   | 15.1           | 25.0           |                |                |                |                |                |                |
| 18.0  | 62.4                             | 57.2                                   | 15.1           | 20.1           |                |                |                |                |                |                |
| 20.0  | 56.2                             | 56.0                                   | 15.1           | 16.0           |                |                |                |                |                |                |
| 22.0  | 49.5                             | 54.4                                   | 14.6           | 13.2           |                |                |                |                |                |                |
| 24.0  | 42.0                             | 52.3                                   | 11.8           | 10.9           |                |                |                |                |                |                |
| 26.0  | 33.1                             | 49.7                                   | 9.6            | 9.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 22.0  | 65.0                             | 56.6                                   |                | 14.2           |                |                |                |                |                |                |
| 24.0  | 58.9                             | 55.5                                   | 15.1           | 11.6           |                |                |                |                |                |                |
| 26.0  | 52.5                             | 54.0                                   | 13.3           | 9.6            |                |                |                |                |                |                |
| 28.0  | 45.4                             | 52.2                                   | 11.2           | 7.9            |                |                |                |                |                |                |
| 30.0  | 37.2                             | 49.9                                   | 9.4            | 6.4            |                |                |                |                |                |                |
| 32.0  | 26.8                             | 46.6                                   | 7.8            | 5.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 31.0  | 55.0                             | 52.2                                   |                | 5.0            |                |                |                |                |                |                |
| 32.0  | 51.8                             | 51.6                                   | 5.9            | 4.4            |                |                |                |                |                |                |
| 34.0  | 44.6                             | 49.7                                   | 4.6            | 3.3            |                |                |                |                |                |                |
| 36.0  | 36.2                             | 47.3                                   | 3.4            | 2.4            |                |                |                |                |                |                |
| 38.0  | 26.9                             | 43.9                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 56.5 m Plumín<br>25.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 9.9   | 78.0                             | 62.6                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 77.7                             | 62.6                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 75.4                             | 62.3                                   | 15.1           | 27.4           |                |                |                |                |                |                |
| 12.0  | 73.0                             | 62.0                                   | 15.1           | 23.4           |                |                |                |                |                |                |
| 13.0  | 70.5                             | 61.7                                   | 15.1           | 20.1           |                |                |                |                |                |                |
| 14.0  | 68.1                             | 61.3                                   | 15.1           | 17.8           |                |                |                |                |                |                |
| 16.0  | 63.0                             | 60.3                                   | 14.6           | 14.2           |                |                |                |                |                |                |
| 18.0  | 57.6                             | 59.1                                   | 12.6           | 11.8           |                |                |                |                |                |                |
| 20.0  | 51.9                             | 57.7                                   | 10.4           | 9.9            |                |                |                |                |                |                |
| 22.0  | 45.7                             | 55.8                                   | 8.7            | 8.5            |                |                |                |                |                |                |
| 24.0  | 38.6                             | 53.6                                   | 7.4            | 7.3            |                |                |                |                |                |                |
| 26.0  | 30.2                             | 50.6                                   | 6.4            | 6.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 15.1  | 73.0                             | 61.7                                   | 15.1           | 21.8           |                |                |                |                |                |                |
| 16.0  | 70.8                             | 61.4                                   | 15.1           | 20.6           |                |                |                |                |                |                |
| 18.0  | 65.8                             | 60.5                                   | 14.9           | 16.0           |                |                |                |                |                |                |
| 20.0  | 60.6                             | 59.5                                   | 14.2           | 13.1           |                |                |                |                |                |                |
| 22.0  | 55.1                             | 58.2                                   | 11.5           | 10.9           |                |                |                |                |                |                |
| 24.0  | 49.2                             | 56.6                                   | 9.7            | 9.3            |                |                |                |                |                |                |
| 26.0  | 42.6                             | 54.6                                   | 8.1            | 8.0            |                |                |                |                |                |                |
| 28.0  | 35.1                             | 52.0                                   | 6.9            | 6.9            |                |                |                |                |                |                |
| 30.0  | 25.6                             | 48.5                                   | 6.0            | 6.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 23.2  | 65.0                             | 59.3                                   |                | 14.7           |                |                |                |                |                |                |
| 24.0  | 62.9                             | 58.9                                   | 15.1           | 14.2           |                |                |                |                |                |                |
| 26.0  | 57.5                             | 57.7                                   | 12.6           | 11.8           |                |                |                |                |                |                |
| 28.0  | 51.8                             | 56.2                                   | 10.3           | 9.9            |                |                |                |                |                |                |
| 30.0  | 45.6                             | 54.4                                   | 8.8            | 8.5            |                |                |                |                |                |                |
| 32.0  | 38.5                             | 52.1                                   | 7.4            | 7.3            |                |                |                |                |                |                |
| 34.0  | 30.0                             | 49.1                                   | 6.5            | 6.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 32.7  | 55.0                             | 54.7                                   |                | 7.2            |                |                |                |                |                |                |
| 34.0  | 51.2                             | 53.8                                   | 8.4            | 6.5            |                |                |                |                |                |                |
| 36.0  | 44.9                             | 51.9                                   | 7.3            | 5.6            |                |                |                |                |                |                |
| 38.0  | 37.7                             | 49.6                                   | 6.3            | 4.7            |                |                |                |                |                |                |
| 40.0  | 29.0                             | 46.5                                   | 5.4            | 4.0            |                |                |                |                |                |                |
| 42.0  | 16.3                             | 41.7                                   | 4.6            | 3.3            |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 59.5 m Plumín<br>25.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 9.9   | 78.0                             | 62.6                                   |                | 30.1           |                |                |                |                |                |                |
| 10.0  | 77.9                             | 62.6                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 75.5                             | 62.4                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 73.1                             | 62.1                                   | 15.1           | 29.4           |                |                |                |                |                |                |
| 13.0  | 70.7                             | 61.7                                   | 15.1           | 26.0           |                |                |                |                |                |                |
| 14.0  | 68.2                             | 61.3                                   | 15.1           | 23.5           |                |                |                |                |                |                |
| 16.0  | 63.1                             | 60.3                                   | 15.1           | 18.2           |                |                |                |                |                |                |
| 18.0  | 57.8                             | 59.2                                   | 14.1           | 14.9           |                |                |                |                |                |                |
| 20.0  | 52.1                             | 57.7                                   | 12.8           | 12.3           |                |                |                |                |                |                |
| 22.0  | 45.8                             | 55.9                                   | 11.0           | 10.4           |                |                |                |                |                |                |
| 24.0  | 38.8                             | 53.6                                   | 9.0            | 8.7            |                |                |                |                |                |                |
| 26.0  | 30.4                             | 50.7                                   | 7.5            | 7.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 15.1  | 73.0                             | 61.7                                   |                | 28.0           |                |                |                |                |                |                |
| 16.0  | 70.9                             | 61.4                                   | 15.1           | 25.6           |                |                |                |                |                |                |
| 18.0  | 65.9                             | 60.6                                   | 15.1           | 20.8           |                |                |                |                |                |                |
| 20.0  | 60.7                             | 59.5                                   | 15.0           | 16.7           |                |                |                |                |                |                |
| 22.0  | 55.3                             | 58.2                                   | 12.8           | 13.6           |                |                |                |                |                |                |
| 24.0  | 49.3                             | 56.6                                   | 11.1           | 11.5           |                |                |                |                |                |                |
| 26.0  | 42.8                             | 54.6                                   | 9.2            | 9.7            |                |                |                |                |                |                |
| 28.0  | 35.2                             | 52.1                                   | 7.7            | 8.2            |                |                |                |                |                |                |
| 30.0  | 25.7                             | 48.6                                   | 6.6            | 7.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 23.2  | 65.0                             | 59.3                                   |                | 12.7           |                |                |                |                |                |                |
| 24.0  | 63.0                             | 58.9                                   | 15.1           | 11.8           |                |                |                |                |                |                |
| 26.0  | 57.7                             | 57.7                                   | 13.2           | 9.8            |                |                |                |                |                |                |
| 28.0  | 52.0                             | 56.3                                   | 11.1           | 8.1            |                |                |                |                |                |                |
| 30.0  | 45.7                             | 54.5                                   | 9.4            | 6.7            |                |                |                |                |                |                |
| 32.0  | 38.7                             | 52.2                                   | 7.8            | 5.5            |                |                |                |                |                |                |
| 34.0  | 30.2                             | 49.2                                   | 6.4            | 4.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 32.7  | 55.0                             | 54.7                                   |                | 4.0            |                |                |                |                |                |                |
| 34.0  | 51.3                             | 53.8                                   | 4.5            | 3.4            |                |                |                |                |                |                |
| 36.0  | 45.0                             | 52.0                                   | 3.3            | 2.5            |                |                |                |                |                |                |
| 38.0  | 38.6                             | 49.6                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 59.5 m Plumín<br>28.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.5  | 78.0                             | 65.5                                   | 15.1           | 28.3           |                |                |                |                |                |                |
| 11.0  | 77.0                             | 65.4                                   | 15.1           | 28.3           |                |                |                |                |                |                |
| 12.0  | 74.8                             | 65.2                                   | 15.1           | 24.4           |                |                |                |                |                |                |
| 13.0  | 72.7                             | 64.8                                   | 15.1           | 21.3           |                |                |                |                |                |                |
| 14.0  | 70.5                             | 64.5                                   | 15.1           | 18.6           |                |                |                |                |                |                |
| 16.0  | 66.1                             | 63.7                                   | 14.4           | 15.0           |                |                |                |                |                |                |
| 18.0  | 61.5                             | 62.6                                   | 13.5           | 12.4           |                |                |                |                |                |                |
| 20.0  | 56.7                             | 61.4                                   | 10.9           | 10.3           |                |                |                |                |                |                |
| 22.0  | 51.5                             | 59.9                                   | 8.8            | 8.6            |                |                |                |                |                |                |
| 24.0  | 46.0                             | 58.1                                   | 7.5            | 7.4            |                |                |                |                |                |                |
| 26.0  | 39.8                             | 55.9                                   | 6.3            | 6.3            |                |                |                |                |                |                |
| 28.0  | 32.6                             | 53.1                                   | 5.5            | 5.5            |                |                |                |                |                |                |
| 30.0  | 23.5                             | 49.3                                   | 4.8            | 4.8            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 16.0  | 73.0                             | 64.6                                   | 15.1           | 20.0           |                |                |                |                |                |                |
| 18.0  | 68.6                             | 63.8                                   | 15.1           | 16.7           |                |                |                |                |                |                |
| 20.0  | 64.0                             | 62.9                                   | 13.0           | 13.6           |                |                |                |                |                |                |
| 22.0  | 59.3                             | 61.8                                   | 10.9           | 11.3           |                |                |                |                |                |                |
| 24.0  | 54.4                             | 60.4                                   | 8.9            | 9.4            |                |                |                |                |                |                |
| 26.0  | 49.1                             | 58.8                                   | 7.5            | 8.1            |                |                |                |                |                |                |
| 28.0  | 43.3                             | 56.8                                   | 6.5            | 7.0            |                |                |                |                |                |                |
| 30.0  | 36.7                             | 54.4                                   | 5.6            | 6.0            |                |                |                |                |                |                |
| 32.0  | 28.9                             | 51.2                                   | 4.9            | 5.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 24.4  | 65.0                             | 62.0                                   |                | 13.4           |                |                |                |                |                |                |
| 26.0  | 61.4                             | 61.2                                   | 11.9           | 12.2           |                |                |                |                |                |                |
| 28.0  | 56.6                             | 60.0                                   | 9.7            | 10.3           |                |                |                |                |                |                |
| 30.0  | 51.4                             | 58.5                                   | 8.1            | 8.7            |                |                |                |                |                |                |
| 32.0  | 45.9                             | 56.7                                   | 7.0            | 7.5            |                |                |                |                |                |                |
| 34.0  | 39.7                             | 54.4                                   | 6.0            | 6.4            |                |                |                |                |                |                |
| 36.0  | 32.5                             | 51.6                                   | 5.3            | 5.7            |                |                |                |                |                |                |
| 38.0  | 23.3                             | 47.8                                   | 4.6            | 5.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 34.4  | 55.0                             | 57.2                                   |                | 6.4            |                |                |                |                |                |                |
| 36.0  | 50.9                             | 56.0                                   | 7.1            | 5.6            |                |                |                |                |                |                |
| 38.0  | 45.3                             | 54.2                                   | 6.2            | 4.8            |                |                |                |                |                |                |
| 40.0  | 39.0                             | 51.9                                   | 5.3            | 4.1            |                |                |                |                |                |                |
| 42.0  | 31.7                             | 49.0                                   | 4.5            | 3.4            |                |                |                |                |                |                |
| 44.0  | 22.2                             | 45.1                                   | 3.8            | 2.8            |                |                |                |                |                |                |
| 45.0  | 15.3                             | 42.2                                   | 3.4            | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 62.5 m Plumín<br>28.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.6  | 78.0                             | 65.6                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 77.1                             | 65.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 75.0                             | 65.2                                   | 15.1           | 28.7           |                |                |                |                |                |                |
| 13.0  | 72.8                             | 64.9                                   | 15.1           | 25.8           |                |                |                |                |                |                |
| 14.0  | 70.7                             | 64.5                                   | 15.1           | 22.4           |                |                |                |                |                |                |
| 16.0  | 66.2                             | 63.7                                   | 14.6           | 17.7           |                |                |                |                |                |                |
| 18.0  | 61.6                             | 62.7                                   | 14.0           | 14.4           |                |                |                |                |                |                |
| 20.0  | 56.8                             | 61.4                                   | 11.5           | 11.8           |                |                |                |                |                |                |
| 22.0  | 51.7                             | 59.9                                   | 9.4            | 9.9            |                |                |                |                |                |                |
| 24.0  | 46.1                             | 58.1                                   | 7.9            | 8.4            |                |                |                |                |                |                |
| 26.0  | 39.9                             | 55.9                                   | 6.6            | 7.1            |                |                |                |                |                |                |
| 28.0  | 32.8                             | 53.1                                   | 5.7            | 6.1            |                |                |                |                |                |                |
| 30.0  | 23.7                             | 49.4                                   | 4.8            | 5.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 16.0  | 73.0                             | 64.6                                   |                | 24.2           |                |                |                |                |                |                |
| 18.0  | 68.7                             | 63.8                                   | 15.1           | 20.0           |                |                |                |                |                |                |
| 20.0  | 64.2                             | 62.9                                   | 15.1           | 16.0           |                |                |                |                |                |                |
| 22.0  | 59.5                             | 61.8                                   | 14.0           | 13.2           |                |                |                |                |                |                |
| 24.0  | 54.5                             | 60.5                                   | 11.5           | 10.9           |                |                |                |                |                |                |
| 26.0  | 49.2                             | 58.8                                   | 9.6            | 9.3            |                |                |                |                |                |                |
| 28.0  | 43.4                             | 56.9                                   | 8.0            | 7.9            |                |                |                |                |                |                |
| 30.0  | 36.9                             | 54.4                                   | 6.7            | 6.7            |                |                |                |                |                |                |
| 32.0  | 29.0                             | 51.3                                   | 5.7            | 5.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 24.5  | 65.0                             | 62.0                                   |                | 11.5           |                |                |                |                |                |                |
| 26.0  | 61.5                             | 61.2                                   | 13.0           | 10.0           |                |                |                |                |                |                |
| 28.0  | 56.7                             | 60.0                                   | 11.1           | 8.4            |                |                |                |                |                |                |
| 30.0  | 51.6                             | 58.5                                   | 9.4            | 6.9            |                |                |                |                |                |                |
| 32.0  | 46.0                             | 56.7                                   | 7.8            | 5.7            |                |                |                |                |                |                |
| 34.0  | 39.8                             | 54.5                                   | 6.5            | 4.7            |                |                |                |                |                |                |
| 36.0  | 32.6                             | 51.7                                   | 5.3            | 3.7            |                |                |                |                |                |                |
| 38.0  | 23.5                             | 47.9                                   | 4.2            | 2.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 34.5  | 55.0                             | 57.2                                   |                | 3.2            |                |                |                |                |                |                |
| 36.0  | 51.0                             | 56.1                                   | 3.3            | 2.5            |                |                |                |                |                |                |
| 38.0  | 45.9                             | 54.2                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 62.5 m Plumín<br>31.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.1  | 78.0                             | 68.5                                   |                | 25.7           |                |                |                |                |                |                |
| 12.0  | 76.3                             | 68.3                                   | 15.1           | 24.9           |                |                |                |                |                |                |
| 13.0  | 74.4                             | 68.0                                   | 15.1           | 21.5           |                |                |                |                |                |                |
| 14.0  | 72.5                             | 67.7                                   | 15.1           | 19.1           |                |                |                |                |                |                |
| 16.0  | 68.5                             | 66.9                                   | 15.0           | 15.4           |                |                |                |                |                |                |
| 18.0  | 64.5                             | 66.0                                   | 13.0           | 12.6           |                |                |                |                |                |                |
| 20.0  | 60.3                             | 64.9                                   | 11.4           | 10.6           |                |                |                |                |                |                |
| 22.0  | 55.9                             | 63.7                                   | 9.3            | 8.9            |                |                |                |                |                |                |
| 24.0  | 51.2                             | 62.1                                   | 7.7            | 7.6            |                |                |                |                |                |                |
| 26.0  | 46.2                             | 60.3                                   | 6.6            | 6.6            |                |                |                |                |                |                |
| 28.0  | 40.7                             | 58.2                                   | 5.7            | 5.7            |                |                |                |                |                |                |
| 30.0  | 34.4                             | 55.5                                   | 4.9            | 5.0            |                |                |                |                |                |                |
| 32.0  | 26.9                             | 52.1                                   | 4.4            | 4.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 16.8  | 73.0                             | 67.4                                   |                | 18.1           |                |                |                |                |                |                |
| 18.0  | 70.7                             | 67.0                                   | 15.1           | 17.2           |                |                |                |                |                |                |
| 20.0  | 66.7                             | 66.2                                   | 14.6           | 14.0           |                |                |                |                |                |                |
| 22.0  | 62.6                             | 65.2                                   | 12.3           | 11.6           |                |                |                |                |                |                |
| 24.0  | 58.3                             | 64.1                                   | 10.3           | 9.8            |                |                |                |                |                |                |
| 26.0  | 53.8                             | 62.7                                   | 8.5            | 8.3            |                |                |                |                |                |                |
| 28.0  | 49.0                             | 61.0                                   | 7.2            | 7.2            |                |                |                |                |                |                |
| 30.0  | 43.8                             | 59.1                                   | 6.3            | 6.3            |                |                |                |                |                |                |
| 32.0  | 38.0                             | 56.7                                   | 5.4            | 5.5            |                |                |                |                |                |                |
| 34.0  | 31.3                             | 53.8                                   | 4.8            | 4.8            |                |                |                |                |                |                |
| 36.0  | 22.8                             | 49.8                                   | 4.2            | 4.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 25.7  | 65.0                             | 64.7                                   |                | 12.2           |                |                |                |                |                |                |
| 26.0  | 64.4                             | 64.6                                   | 13.1           | 12.1           |                |                |                |                |                |                |
| 28.0  | 60.2                             | 63.5                                   | 11.2           | 10.5           |                |                |                |                |                |                |
| 30.0  | 55.8                             | 62.2                                   | 9.3            | 8.9            |                |                |                |                |                |                |
| 32.0  | 51.1                             | 60.7                                   | 7.8            | 7.7            |                |                |                |                |                |                |
| 34.0  | 46.1                             | 58.9                                   | 6.7            | 6.7            |                |                |                |                |                |                |
| 36.0  | 40.6                             | 56.7                                   | 5.8            | 5.8            |                |                |                |                |                |                |
| 38.0  | 34.3                             | 54.1                                   | 5.1            | 5.1            |                |                |                |                |                |                |
| 40.0  | 26.8                             | 50.6                                   | 4.5            | 4.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 36.1  | 55.0                             | 59.6                                   |                | 5.7            |                |                |                |                |                |                |
| 38.0  | 50.6                             | 58.3                                   | 6.2            | 4.9            |                |                |                |                |                |                |
| 40.0  | 45.5                             | 56.4                                   | 5.4            | 4.2            |                |                |                |                |                |                |
| 42.0  | 40.0                             | 54.2                                   | 4.6            | 3.6            |                |                |                |                |                |                |
| 44.0  | 33.6                             | 51.5                                   | 3.9            | 3.0            |                |                |                |                |                |                |
| 46.0  | 25.9                             | 47.9                                   | 3.2            | 2.5            |                |                |                |                |                |                |
| 48.0  | 16.3                             | 42.6                                   | 2.6            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 65.5 m Plumín<br>31.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.2  | 78.0                             | 68.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 76.5                             | 68.3                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 13.0  | 74.5                             | 68.0                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 14.0  | 72.6                             | 67.7                                   | 15.1           | 28.3           |                |                |                |                |                |                |
| 16.0  | 68.7                             | 67.0                                   | 15.1           | 22.8           |                |                |                |                |                |                |
| 18.0  | 64.6                             | 66.1                                   | 15.1           | 18.6           |                |                |                |                |                |                |
| 20.0  | 60.4                             | 65.0                                   | 14.8           | 15.8           |                |                |                |                |                |                |
| 22.0  | 56.0                             | 63.7                                   | 12.8           | 13.5           |                |                |                |                |                |                |
| 24.0  | 51.3                             | 62.2                                   | 11.2           | 11.7           |                |                |                |                |                |                |
| 26.0  | 46.3                             | 60.4                                   | 9.8            | 10.3           |                |                |                |                |                |                |
| 28.0  | 40.8                             | 58.2                                   | 8.5            | 9.0            |                |                |                |                |                |                |
| 30.0  | 34.6                             | 55.6                                   | 7.4            | 7.9            |                |                |                |                |                |                |
| 32.0  | 27.1                             | 52.2                                   | 5.9            | 6.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 16.9  | 73.0                             | 67.4                                   |                | 24.0           |                |                |                |                |                |                |
| 18.0  | 70.8                             | 67.1                                   | 15.1           | 21.6           |                |                |                |                |                |                |
| 20.0  | 66.8                             | 66.3                                   | 15.1           | 18.1           |                |                |                |                |                |                |
| 22.0  | 62.7                             | 65.3                                   | 15.1           | 15.3           |                |                |                |                |                |                |
| 24.0  | 58.4                             | 64.1                                   | 14.2           | 13.0           |                |                |                |                |                |                |
| 26.0  | 53.9                             | 62.7                                   | 12.8           | 11.1           |                |                |                |                |                |                |
| 28.0  | 49.1                             | 61.1                                   | 11.6           | 9.5            |                |                |                |                |                |                |
| 30.0  | 43.9                             | 59.1                                   | 9.9            | 8.1            |                |                |                |                |                |                |
| 32.0  | 38.1                             | 56.8                                   | 8.5            | 6.9            |                |                |                |                |                |                |
| 34.0  | 31.4                             | 53.8                                   | 7.5            | 5.8            |                |                |                |                |                |                |
| 36.0  | 22.9                             | 49.9                                   | 6.5            | 4.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 25.8  | 65.0                             | 64.7                                   |                | 10.2           |                |                |                |                |                |                |
| 26.0  | 64.5                             | 64.6                                   | 12.7           | 10.0           |                |                |                |                |                |                |
| 28.0  | 60.3                             | 63.6                                   | 10.8           | 8.4            |                |                |                |                |                |                |
| 30.0  | 55.9                             | 62.3                                   | 9.1            | 7.0            |                |                |                |                |                |                |
| 32.0  | 51.2                             | 60.7                                   | 7.7            | 5.8            |                |                |                |                |                |                |
| 34.0  | 46.2                             | 58.9                                   | 6.4            | 4.7            |                |                |                |                |                |                |
| 36.0  | 40.7                             | 56.8                                   | 5.2            | 3.8            |                |                |                |                |                |                |
| 38.0  | 34.5                             | 54.1                                   | 4.1            | 3.0            |                |                |                |                |                |                |
| 40.0  | 26.9                             | 50.7                                   | 3.2            | 2.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 36.2  | 55.0                             | 59.6                                   |                | 2.3            |                |                |                |                |                |                |
| 38.0  | 51.1                             | 58.3                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 65.5 m Plumín<br>34.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.8  | 78.0                             | 71.4                                   | 15.1           | 23.4           |                |                |                |                |                |                |
| 12.0  | 77.6                             | 71.4                                   | 15.1           | 23.4           |                |                |                |                |                |                |
| 13.0  | 75.8                             | 71.1                                   | 15.1           | 22.1           |                |                |                |                |                |                |
| 14.0  | 74.1                             | 70.8                                   | 15.1           | 19.3           |                |                |                |                |                |                |
| 16.0  | 70.5                             | 70.2                                   | 15.1           | 15.5           |                |                |                |                |                |                |
| 18.0  | 66.9                             | 69.3                                   | 13.7           | 12.9           |                |                |                |                |                |                |
| 20.0  | 63.1                             | 68.4                                   | 11.4           | 10.8           |                |                |                |                |                |                |
| 22.0  | 59.3                             | 67.2                                   | 9.6            | 9.3            |                |                |                |                |                |                |
| 24.0  | 55.2                             | 65.9                                   | 8.0            | 7.9            |                |                |                |                |                |                |
| 26.0  | 50.9                             | 64.4                                   | 6.8            | 6.8            |                |                |                |                |                |                |
| 28.0  | 46.4                             | 62.6                                   | 5.9            | 6.0            |                |                |                |                |                |                |
| 30.0  | 41.4                             | 60.4                                   | 5.1            | 5.2            |                |                |                |                |                |                |
| 32.0  | 35.9                             | 57.9                                   | 4.4            | 4.5            |                |                |                |                |                |                |
| 34.0  | 29.4                             | 54.7                                   | 3.9            | 4.0            |                |                |                |                |                |                |
| 36.0  | 21.2                             | 50.5                                   | 3.5            | 3.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 17.7  | 73.0                             | 70.3                                   |                | 16.6           |                |                |                |                |                |                |
| 18.0  | 72.5                             | 70.2                                   | 15.1           | 16.6           |                |                |                |                |                |                |
| 20.0  | 68.9                             | 69.5                                   | 13.9           | 14.3           |                |                |                |                |                |                |
| 22.0  | 65.2                             | 68.6                                   | 11.5           | 11.9           |                |                |                |                |                |                |
| 24.0  | 61.4                             | 67.6                                   | 9.5            | 10.1           |                |                |                |                |                |                |
| 26.0  | 57.5                             | 66.3                                   | 8.0            | 8.6            |                |                |                |                |                |                |
| 28.0  | 53.3                             | 64.9                                   | 6.9            | 7.4            |                |                |                |                |                |                |
| 30.0  | 48.9                             | 63.3                                   | 6.0            | 6.5            |                |                |                |                |                |                |
| 32.0  | 44.2                             | 61.3                                   | 5.2            | 5.6            |                |                |                |                |                |                |
| 34.0  | 39.0                             | 59.0                                   | 4.6            | 4.9            |                |                |                |                |                |                |
| 36.0  | 33.1                             | 56.2                                   | 4.1            | 4.4            |                |                |                |                |                |                |
| 38.0  | 26.0                             | 52.7                                   | 3.6            | 3.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 27.0  | 65.0                             | 67.4                                   |                | 11.1           |                |                |                |                |                |                |
| 28.0  | 63.1                             | 67.0                                   | 11.5           | 10.9           |                |                |                |                |                |                |
| 30.0  | 59.2                             | 65.8                                   | 9.4            | 9.2            |                |                |                |                |                |                |
| 32.0  | 55.1                             | 64.5                                   | 8.0            | 7.9            |                |                |                |                |                |                |
| 34.0  | 50.9                             | 62.9                                   | 6.9            | 6.9            |                |                |                |                |                |                |
| 36.0  | 46.3                             | 61.1                                   | 6.0            | 6.1            |                |                |                |                |                |                |
| 38.0  | 41.3                             | 59.0                                   | 5.2            | 5.3            |                |                |                |                |                |                |
| 40.0  | 35.8                             | 56.4                                   | 4.5            | 4.6            |                |                |                |                |                |                |
| 42.0  | 29.3                             | 53.3                                   | 4.1            | 4.2            |                |                |                |                |                |                |
| 44.0  | 21.0                             | 49.0                                   | 3.6            | 3.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 37.9  | 55.0                             | 62.1                                   |                | 4.9            |                |                |                |                |                |                |
| 38.0  | 54.7                             | 62.1                                   | 6.0            | 4.9            |                |                |                |                |                |                |
| 40.0  | 50.4                             | 60.5                                   | 5.2            | 4.2            |                |                |                |                |                |                |
| 42.0  | 45.8                             | 58.7                                   | 4.4            | 3.5            |                |                |                |                |                |                |
| 44.0  | 40.8                             | 56.5                                   | 3.7            | 2.9            |                |                |                |                |                |                |
| 46.0  | 35.2                             | 53.9                                   | 3.1            | 2.4            |                |                |                |                |                |                |
| 48.0  | 29.3                             | 50.6                                   | 2.5            |                |                |                |                |                |                |                |
| 49.0  | 25.5                             | 48.6                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 68.5 m Plumín<br>34.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.8  | 78.0                             | 71.4                                   |                | 30.1           |                |                |                |                |                |                |
| 12.0  | 77.7                             | 71.4                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 13.0  | 75.9                             | 71.1                                   | 15.1           | 29.7           |                |                |                |                |                |                |
| 14.0  | 74.2                             | 70.9                                   | 15.1           | 26.9           |                |                |                |                |                |                |
| 16.0  | 70.6                             | 70.2                                   | 15.1           | 21.5           |                |                |                |                |                |                |
| 18.0  | 67.0                             | 69.4                                   | 14.6           | 17.8           |                |                |                |                |                |                |
| 20.0  | 63.3                             | 68.4                                   | 13.9           | 14.9           |                |                |                |                |                |                |
| 22.0  | 59.4                             | 67.3                                   | 12.5           | 12.9           |                |                |                |                |                |                |
| 24.0  | 55.3                             | 65.9                                   | 10.6           | 11.0           |                |                |                |                |                |                |
| 26.0  | 51.0                             | 64.4                                   | 9.0            | 9.7            |                |                |                |                |                |                |
| 28.0  | 46.5                             | 62.6                                   | 7.9            | 8.5            |                |                |                |                |                |                |
| 30.0  | 41.5                             | 60.5                                   | 6.9            | 7.4            |                |                |                |                |                |                |
| 32.0  | 36.0                             | 57.9                                   | 6.1            | 6.5            |                |                |                |                |                |                |
| 34.0  | 29.6                             | 54.8                                   | 5.1            | 5.5            |                |                |                |                |                |                |
| 36.0  | 21.3                             | 50.6                                   | 4.0            | 4.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 17.8  | 73.0                             | 70.3                                   | 15.1           | 22.3           |                |                |                |                |                |                |
| 18.0  | 72.6                             | 70.2                                   | 15.1           | 21.9           |                |                |                |                |                |                |
| 20.0  | 69.0                             | 69.5                                   | 15.1           | 18.4           |                |                |                |                |                |                |
| 22.0  | 65.3                             | 68.6                                   | 15.1           | 15.6           |                |                |                |                |                |                |
| 24.0  | 61.5                             | 67.6                                   | 15.0           | 13.3           |                |                |                |                |                |                |
| 26.0  | 57.6                             | 66.4                                   | 12.8           | 11.4           |                |                |                |                |                |                |
| 28.0  | 53.4                             | 65.0                                   | 10.7           | 9.7            |                |                |                |                |                |                |
| 30.0  | 49.0                             | 63.3                                   | 9.3            | 8.3            |                |                |                |                |                |                |
| 32.0  | 44.3                             | 61.4                                   | 8.1            | 7.1            |                |                |                |                |                |                |
| 34.0  | 39.1                             | 59.1                                   | 7.0            | 6.0            |                |                |                |                |                |                |
| 36.0  | 33.2                             | 56.3                                   | 6.2            | 5.1            |                |                |                |                |                |                |
| 38.0  | 26.2                             | 52.7                                   | 5.4            | 4.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 27.0  | 65.0                             | 67.4                                   |                | 9.2            |                |                |                |                |                |                |
| 28.0  | 63.2                             | 67.0                                   | 10.7           | 8.4            |                |                |                |                |                |                |
| 30.0  | 59.3                             | 65.9                                   | 9.1            | 7.1            |                |                |                |                |                |                |
| 32.0  | 55.2                             | 64.5                                   | 7.7            | 5.9            |                |                |                |                |                |                |
| 34.0  | 51.0                             | 63.0                                   | 6.4            | 4.9            |                |                |                |                |                |                |
| 36.0  | 46.4                             | 61.2                                   | 5.2            | 3.9            |                |                |                |                |                |                |
| 38.0  | 41.4                             | 59.0                                   | 4.2            | 3.1            |                |                |                |                |                |                |
| 40.0  | 35.9                             | 56.5                                   | 3.3            | 2.4            |                |                |                |                |                |                |
| 42.0  | 30.2                             | 53.3                                   | 2.4            |                |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 38.0  | 55.0                             | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 68.5 m Plumín<br>37.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 12.4  | 78.0                             | 74.3                                   | 15.1           | 22.7           |                |                |                |                |                |                |
| 13.0  | 77.0                             | 74.2                                   | 15.1           | 22.7           |                |                |                |                |                |                |
| 14.0  | 75.4                             | 73.9                                   | 15.1           | 20.7           |                |                |                |                |                |                |
| 16.0  | 72.2                             | 73.3                                   | 15.1           | 16.7           |                |                |                |                |                |                |
| 18.0  | 68.9                             | 72.6                                   | 15.1           | 14.1           |                |                |                |                |                |                |
| 20.0  | 65.5                             | 71.7                                   | 12.5           | 11.8           |                |                |                |                |                |                |
| 22.0  | 62.0                             | 70.7                                   | 10.5           | 10.1           |                |                |                |                |                |                |
| 24.0  | 58.4                             | 69.5                                   | 8.9            | 8.8            |                |                |                |                |                |                |
| 26.0  | 54.7                             | 68.2                                   | 7.6            | 7.6            |                |                |                |                |                |                |
| 28.0  | 50.7                             | 66.6                                   | 6.6            | 6.7            |                |                |                |                |                |                |
| 30.0  | 46.5                             | 64.8                                   | 5.8            | 5.9            |                |                |                |                |                |                |
| 32.0  | 42.0                             | 62.7                                   | 5.1            | 5.2            |                |                |                |                |                |                |
| 34.0  | 37.0                             | 60.2                                   | 4.5            | 4.6            |                |                |                |                |                |                |
| 36.0  | 31.4                             | 57.3                                   | 4.0            | 4.1            |                |                |                |                |                |                |
| 38.0  | 24.5                             | 53.5                                   | 3.6            | 3.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 18.6  | 73.0                             | 73.2                                   | 15.1           | 16.3           |                |                |                |                |                |                |
| 20.0  | 70.7                             | 72.7                                   | 15.1           | 15.5           |                |                |                |                |                |                |
| 22.0  | 67.4                             | 71.9                                   | 14.2           | 13.1           |                |                |                |                |                |                |
| 24.0  | 63.9                             | 71.0                                   | 11.6           | 11.0           |                |                |                |                |                |                |
| 26.0  | 60.4                             | 69.9                                   | 9.8            | 9.5            |                |                |                |                |                |                |
| 28.0  | 56.7                             | 68.6                                   | 8.3            | 8.2            |                |                |                |                |                |                |
| 30.0  | 52.9                             | 67.2                                   | 7.2            | 7.2            |                |                |                |                |                |                |
| 32.0  | 48.9                             | 65.5                                   | 6.3            | 6.4            |                |                |                |                |                |                |
| 34.0  | 44.5                             | 63.6                                   | 5.6            | 5.7            |                |                |                |                |                |                |
| 36.0  | 39.8                             | 61.3                                   | 4.9            | 5.0            |                |                |                |                |                |                |
| 38.0  | 34.6                             | 58.7                                   | 4.3            | 4.5            |                |                |                |                |                |                |
| 40.0  | 28.5                             | 55.4                                   | 3.9            | 4.0            |                |                |                |                |                |                |
| 42.0  | 20.7                             | 51.0                                   | 3.5            | 3.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 28.3  | 65.0                             | 70.1                                   | 11.3           | 10.9           |                |                |                |                |                |                |
| 30.0  | 61.9                             | 69.3                                   | 10.6           | 10.2           |                |                |                |                |                |                |
| 32.0  | 58.3                             | 68.1                                   | 8.9            | 8.9            |                |                |                |                |                |                |
| 34.0  | 54.6                             | 66.7                                   | 7.7            | 7.7            |                |                |                |                |                |                |
| 36.0  | 50.6                             | 65.2                                   | 6.7            | 6.8            |                |                |                |                |                |                |
| 38.0  | 46.4                             | 63.4                                   | 5.9            | 6.0            |                |                |                |                |                |                |
| 40.0  | 41.9                             | 61.3                                   | 5.2            | 5.3            |                |                |                |                |                |                |
| 42.0  | 36.9                             | 58.8                                   | 4.6            | 4.7            |                |                |                |                |                |                |
| 44.0  | 31.3                             | 55.8                                   | 4.2            | 4.2            |                |                |                |                |                |                |
| 46.0  | 24.4                             | 52.0                                   | 3.7            | 3.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 39.6  | 55.0                             | 64.5                                   |                | 4.3            |                |                |                |                |                |                |
| 40.0  | 54.2                             | 64.3                                   | 5.1            | 4.2            |                |                |                |                |                |                |
| 42.0  | 50.2                             | 62.7                                   | 4.4            | 3.5            |                |                |                |                |                |                |
| 44.0  | 46.0                             | 60.9                                   | 3.7            | 3.0            |                |                |                |                |                |                |
| 46.0  | 41.4                             | 58.8                                   | 3.1            | 2.4            |                |                |                |                |                |                |
| 48.0  | 36.9                             | 56.2                                   | 2.5            |                |                |                |                |                |                |                |
| 49.0  | 34.1                             | 54.8                                   | 2.2            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 71.5 m Plumín<br>37.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 12.4  | 78.0                             | 74.4                                   |                | 28.5           |                |                |                |                |                |                |
| 13.0  | 77.1                             | 74.2                                   | 15.1           | 28.5           |                |                |                |                |                |                |
| 14.0  | 75.5                             | 74.0                                   | 15.1           | 25.5           |                |                |                |                |                |                |
| 16.0  | 72.3                             | 73.4                                   | 15.1           | 20.3           |                |                |                |                |                |                |
| 18.0  | 69.0                             | 72.6                                   | 15.1           | 16.8           |                |                |                |                |                |                |
| 20.0  | 65.6                             | 71.8                                   | 13.6           | 14.0           |                |                |                |                |                |                |
| 22.0  | 62.1                             | 70.7                                   | 12.4           | 12.0           |                |                |                |                |                |                |
| 24.0  | 58.5                             | 69.6                                   | 10.7           | 10.3           |                |                |                |                |                |                |
| 26.0  | 54.8                             | 68.2                                   | 9.0            | 8.9            |                |                |                |                |                |                |
| 28.0  | 50.8                             | 66.6                                   | 7.7            | 7.7            |                |                |                |                |                |                |
| 30.0  | 46.6                             | 64.8                                   | 6.7            | 6.8            |                |                |                |                |                |                |
| 32.0  | 42.1                             | 62.8                                   | 5.8            | 5.9            |                |                |                |                |                |                |
| 34.0  | 37.1                             | 60.3                                   | 5.0            | 5.1            |                |                |                |                |                |                |
| 36.0  | 31.5                             | 57.3                                   | 4.2            | 4.3            |                |                |                |                |                |                |
| 38.0  | 24.6                             | 53.5                                   | 3.2            | 3.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 18.6  | 73.0                             | 73.2                                   |                | 19.7           |                |                |                |                |                |                |
| 20.0  | 70.8                             | 72.7                                   | 15.1           | 18.4           |                |                |                |                |                |                |
| 22.0  | 67.5                             | 71.9                                   | 15.1           | 15.5           |                |                |                |                |                |                |
| 24.0  | 64.0                             | 71.0                                   | 13.3           | 13.0           |                |                |                |                |                |                |
| 26.0  | 60.5                             | 69.9                                   | 11.9           | 11.3           |                |                |                |                |                |                |
| 28.0  | 56.8                             | 68.6                                   | 9.9            | 9.7            |                |                |                |                |                |                |
| 30.0  | 53.0                             | 67.2                                   | 8.4            | 8.4            |                |                |                |                |                |                |
| 32.0  | 49.0                             | 65.5                                   | 7.3            | 7.2            |                |                |                |                |                |                |
| 34.0  | 44.6                             | 63.6                                   | 6.3            | 6.1            |                |                |                |                |                |                |
| 36.0  | 39.9                             | 61.4                                   | 5.5            | 5.1            |                |                |                |                |                |                |
| 38.0  | 34.7                             | 58.7                                   | 4.8            | 4.3            |                |                |                |                |                |                |
| 40.0  | 28.6                             | 55.4                                   | 4.2            | 3.5            |                |                |                |                |                |                |
| 42.0  | 20.9                             | 51.1                                   | 3.6            | 2.8            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 28.3  | 65.0                             | 70.2                                   |                | 8.0            |                |                |                |                |                |                |
| 30.0  | 62.0                             | 69.3                                   | 8.8            | 6.9            |                |                |                |                |                |                |
| 32.0  | 58.4                             | 68.1                                   | 7.4            | 5.8            |                |                |                |                |                |                |
| 34.0  | 54.7                             | 66.8                                   | 6.1            | 4.8            |                |                |                |                |                |                |
| 36.0  | 50.7                             | 65.2                                   | 5.0            | 3.9            |                |                |                |                |                |                |
| 38.0  | 46.5                             | 63.4                                   | 4.0            | 3.1            |                |                |                |                |                |                |
| 40.0  | 42.0                             | 61.3                                   | 3.1            | 2.3            |                |                |                |                |                |                |
| 42.0  | 37.5                             | 58.8                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 71.5 m Plumín<br>40.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.0  | 78.0                             | 77.3                                   | 15.1           | 23.7           |                |                |                |                |                |                |
| 14.0  | 76.5                             | 77.0                                   | 15.1           | 23.4           |                |                |                |                |                |                |
| 16.0  | 73.6                             | 76.5                                   | 15.1           | 19.4           |                |                |                |                |                |                |
| 18.0  | 70.5                             | 75.8                                   | 15.1           | 16.1           |                |                |                |                |                |                |
| 20.0  | 67.4                             | 75.0                                   | 14.2           | 13.9           |                |                |                |                |                |                |
| 22.0  | 64.3                             | 74.1                                   | 12.2           | 11.9           |                |                |                |                |                |                |
| 24.0  | 61.0                             | 73.0                                   | 10.7           | 10.4           |                |                |                |                |                |                |
| 26.0  | 57.7                             | 71.8                                   | 9.3            | 9.2            |                |                |                |                |                |                |
| 28.0  | 54.2                             | 70.4                                   | 8.1            | 8.1            |                |                |                |                |                |                |
| 30.0  | 50.5                             | 68.8                                   | 7.1            | 7.3            |                |                |                |                |                |                |
| 32.0  | 46.6                             | 67.0                                   | 6.4            | 6.5            |                |                |                |                |                |                |
| 34.0  | 42.5                             | 65.0                                   | 5.7            | 5.9            |                |                |                |                |                |                |
| 36.0  | 38.0                             | 62.6                                   | 5.1            | 5.3            |                |                |                |                |                |                |
| 38.0  | 32.9                             | 59.7                                   | 4.6            | 4.8            |                |                |                |                |                |                |
| 40.0  | 27.0                             | 56.2                                   | 4.2            | 4.4            |                |                |                |                |                |                |
| 42.0  | 19.4                             | 51.6                                   | 3.8            | 4.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 19.5  | 73.0                             | 76.0                                   | 15.1           | 17.3           |                |                |                |                |                |                |
| 20.0  | 72.2                             | 75.9                                   | 15.1           | 17.2           |                |                |                |                |                |                |
| 22.0  | 69.2                             | 75.1                                   | 15.0           | 15.0           |                |                |                |                |                |                |
| 24.0  | 66.0                             | 74.3                                   | 13.8           | 12.9           |                |                |                |                |                |                |
| 26.0  | 62.8                             | 73.3                                   | 11.6           | 11.2           |                |                |                |                |                |                |
| 28.0  | 59.5                             | 72.2                                   | 10.1           | 9.9            |                |                |                |                |                |                |
| 30.0  | 56.1                             | 70.9                                   | 8.7            | 8.7            |                |                |                |                |                |                |
| 32.0  | 52.6                             | 69.4                                   | 7.7            | 7.8            |                |                |                |                |                |                |
| 34.0  | 48.8                             | 67.7                                   | 6.9            | 7.0            |                |                |                |                |                |                |
| 36.0  | 44.8                             | 65.8                                   | 6.1            | 6.3            |                |                |                |                |                |                |
| 38.0  | 40.5                             | 63.6                                   | 5.5            | 5.6            |                |                |                |                |                |                |
| 40.0  | 35.8                             | 61.0                                   | 5.0            | 5.1            |                |                |                |                |                |                |
| 42.0  | 30.4                             | 57.9                                   | 4.5            | 4.7            |                |                |                |                |                |                |
| 44.0  | 23.9                             | 54.0                                   | 4.1            | 4.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 29.5  | 65.0                             | 72.9                                   |                | 10.6           |                |                |                |                |                |                |
| 30.0  | 64.2                             | 72.7                                   | 12.1           | 10.2           |                |                |                |                |                |                |
| 32.0  | 61.0                             | 71.6                                   | 10.7           | 9.0            |                |                |                |                |                |                |
| 34.0  | 57.6                             | 70.4                                   | 9.4            | 8.0            |                |                |                |                |                |                |
| 36.0  | 54.1                             | 69.0                                   | 8.2            | 7.0            |                |                |                |                |                |                |
| 38.0  | 50.5                             | 67.4                                   | 7.2            | 6.2            |                |                |                |                |                |                |
| 40.0  | 46.6                             | 65.6                                   | 6.5            | 5.5            |                |                |                |                |                |                |
| 42.0  | 42.4                             | 63.5                                   | 5.8            | 4.8            |                |                |                |                |                |                |
| 44.0  | 37.9                             | 61.1                                   | 5.2            | 4.2            |                |                |                |                |                |                |
| 46.0  | 32.8                             | 58.3                                   | 4.7            | 3.6            |                |                |                |                |                |                |
| 48.0  | 26.9                             | 54.8                                   | 4.1            | 3.1            |                |                |                |                |                |                |
| 50.0  | 19.3                             | 50.1                                   | 3.5            | 2.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 41.3  | 55.0                             | 67.0                                   |                | 3.6            |                |                |                |                |                |                |
| 42.0  | 53.8                             | 66.6                                   | 4.1            | 3.4            |                |                |                |                |                |                |
| 44.0  | 50.1                             | 65.0                                   | 3.5            | 2.8            |                |                |                |                |                |                |
| 46.0  | 46.2                             | 63.1                                   | 2.9            | 2.3            |                |                |                |                |                |                |
| 48.0  | 42.3                             | 61.0                                   | 2.3            |                |                |                |                |                |                |                |
| 49.0  | 40.1                             | 59.9                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 74.5 m Plumín<br>31.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.1  | 78.0                             | 68.5                                   |                | 21.2           |                |                |                |                |                |                |
| 12.0  | 76.3                             | 68.3                                   | 15.1           | 21.0           |                |                |                |                |                |                |
| 13.0  | 74.4                             | 68.0                                   | 15.1           | 18.2           |                |                |                |                |                |                |
| 14.0  | 72.5                             | 67.7                                   | 15.0           | 16.1           |                |                |                |                |                |                |
| 16.0  | 68.5                             | 66.9                                   | 14.4           | 12.9           |                |                |                |                |                |                |
| 18.0  | 64.5                             | 66.0                                   | 11.1           | 10.2           |                |                |                |                |                |                |
| 20.0  | 60.3                             | 64.9                                   | 8.7            | 8.4            |                |                |                |                |                |                |
| 22.0  | 55.9                             | 63.7                                   | 7.0            | 6.9            |                |                |                |                |                |                |
| 24.0  | 51.2                             | 62.1                                   | 5.8            | 5.7            |                |                |                |                |                |                |
| 26.0  | 46.2                             | 60.3                                   | 4.8            | 4.8            |                |                |                |                |                |                |
| 28.0  | 40.7                             | 58.2                                   | 4.1            | 4.1            |                |                |                |                |                |                |
| 30.0  | 34.4                             | 55.5                                   | 3.4            | 3.5            |                |                |                |                |                |                |
| 32.0  | 26.9                             | 52.1                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 16.8  | 73.0                             | 67.4                                   |                | 15.1           |                |                |                |                |                |                |
| 18.0  | 70.7                             | 67.0                                   | 15.1           | 14.5           |                |                |                |                |                |                |
| 20.0  | 66.7                             | 66.2                                   | 12.7           | 11.5           |                |                |                |                |                |                |
| 22.0  | 62.6                             | 65.2                                   | 9.7            | 9.3            |                |                |                |                |                |                |
| 24.0  | 58.3                             | 64.1                                   | 7.9            | 7.7            |                |                |                |                |                |                |
| 26.0  | 53.8                             | 62.7                                   | 6.4            | 6.4            |                |                |                |                |                |                |
| 28.0  | 49.0                             | 61.0                                   | 5.4            | 5.4            |                |                |                |                |                |                |
| 30.0  | 43.8                             | 59.1                                   | 4.6            | 4.6            |                |                |                |                |                |                |
| 32.0  | 38.0                             | 56.7                                   | 3.8            | 3.9            |                |                |                |                |                |                |
| 34.0  | 31.3                             | 53.8                                   | 3.3            | 3.4            |                |                |                |                |                |                |
| 36.0  | 22.8                             | 49.8                                   | 2.8            | 2.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 25.7  | 65.0                             | 64.7                                   |                | 9.6            |                |                |                |                |                |                |
| 26.0  | 64.4                             | 64.6                                   | 10.0           | 9.6            |                |                |                |                |                |                |
| 28.0  | 60.2                             | 63.5                                   | 8.6            | 8.3            |                |                |                |                |                |                |
| 30.0  | 55.8                             | 62.2                                   | 7.1            | 7.0            |                |                |                |                |                |                |
| 32.0  | 51.1                             | 60.7                                   | 5.9            | 5.9            |                |                |                |                |                |                |
| 34.0  | 46.1                             | 58.9                                   | 5.0            | 5.0            |                |                |                |                |                |                |
| 36.0  | 40.6                             | 56.7                                   | 4.2            | 4.3            |                |                |                |                |                |                |
| 38.0  | 34.3                             | 54.1                                   | 3.6            | 3.6            |                |                |                |                |                |                |
| 40.0  | 26.8                             | 50.6                                   | 3.1            | 2.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 36.1  | 55.0                             | 59.6                                   |                | 3.5            |                |                |                |                |                |                |
| 38.0  | 50.6                             | 58.3                                   | 3.7            | 2.7            |                |                |                |                |                |                |
| 40.0  | 45.5                             | 56.4                                   | 2.8            | 2.0            |                |                |                |                |                |                |
| 42.0  | 40.5                             | 54.2                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 74.5 m Plumín<br>40.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.1  | 78.0                             | 77.3                                   | 15.1           | 28.3           |                |                |                |                |                |                |
| 14.0  | 76.6                             | 77.1                                   | 15.1           | 28.0           |                |                |                |                |                |                |
| 16.0  | 73.6                             | 76.5                                   | 15.1           | 22.6           |                |                |                |                |                |                |
| 18.0  | 70.6                             | 75.8                                   | 15.1           | 18.5           |                |                |                |                |                |                |
| 20.0  | 67.5                             | 75.0                                   | 14.6           | 15.8           |                |                |                |                |                |                |
| 22.0  | 64.4                             | 74.1                                   | 13.3           | 13.5           |                |                |                |                |                |                |
| 24.0  | 61.1                             | 73.1                                   | 12.3           | 11.8           |                |                |                |                |                |                |
| 26.0  | 57.8                             | 71.8                                   | 10.6           | 10.3           |                |                |                |                |                |                |
| 28.0  | 54.3                             | 70.5                                   | 9.1            | 9.0            |                |                |                |                |                |                |
| 30.0  | 50.6                             | 68.9                                   | 7.9            | 8.0            |                |                |                |                |                |                |
| 32.0  | 46.7                             | 67.1                                   | 6.7            | 6.9            |                |                |                |                |                |                |
| 34.0  | 42.6                             | 65.0                                   | 5.7            | 5.9            |                |                |                |                |                |                |
| 36.0  | 38.1                             | 62.6                                   | 4.8            | 5.0            |                |                |                |                |                |                |
| 38.0  | 33.0                             | 59.8                                   | 3.9            | 4.1            |                |                |                |                |                |                |
| 40.0  | 27.1                             | 56.3                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 19.5  | 73.0                             | 76.0                                   |                | 19.1           |                |                |                |                |                |                |
| 20.0  | 72.3                             | 75.9                                   | 15.1           | 18.4           |                |                |                |                |                |                |
| 22.0  | 69.2                             | 75.2                                   | 15.1           | 15.5           |                |                |                |                |                |                |
| 24.0  | 66.1                             | 74.3                                   | 14.4           | 13.2           |                |                |                |                |                |                |
| 26.0  | 62.9                             | 73.3                                   | 13.0           | 11.3           |                |                |                |                |                |                |
| 28.0  | 59.6                             | 72.2                                   | 11.6           | 9.7            |                |                |                |                |                |                |
| 30.0  | 56.2                             | 70.9                                   | 9.9            | 8.4            |                |                |                |                |                |                |
| 32.0  | 52.7                             | 69.4                                   | 8.5            | 7.2            |                |                |                |                |                |                |
| 34.0  | 48.9                             | 67.8                                   | 7.5            | 6.1            |                |                |                |                |                |                |
| 36.0  | 44.9                             | 65.9                                   | 6.6            | 5.2            |                |                |                |                |                |                |
| 38.0  | 40.6                             | 63.7                                   | 5.8            | 4.3            |                |                |                |                |                |                |
| 40.0  | 35.9                             | 61.1                                   | 4.8            | 3.6            |                |                |                |                |                |                |
| 42.0  | 30.5                             | 58.0                                   | 3.9            | 2.9            |                |                |                |                |                |                |
| 44.0  | 24.0                             | 54.1                                   | 3.1            | 2.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 29.6  | 65.0                             | 72.9                                   |                | 7.0            |                |                |                |                |                |                |
| 30.0  | 64.3                             | 72.7                                   | 8.5            | 6.7            |                |                |                |                |                |                |
| 32.0  | 61.1                             | 71.6                                   | 7.2            | 5.6            |                |                |                |                |                |                |
| 34.0  | 57.7                             | 70.4                                   | 6.0            | 4.7            |                |                |                |                |                |                |
| 36.0  | 54.2                             | 69.0                                   | 4.9            | 3.8            |                |                |                |                |                |                |
| 38.0  | 50.5                             | 67.5                                   | 3.9            | 3.0            |                |                |                |                |                |                |
| 40.0  | 46.7                             | 65.7                                   | 3.0            | 2.3            |                |                |                |                |                |                |
| 42.0  | 42.9                             | 63.6                                   | 2.2            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 77.5 m Plumín<br>34.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.8  | 78.0                             | 71.4                                   | 15.1           | 19.0           |                |                |                |                |                |                |
| 12.0  | 77.6                             | 71.4                                   | 15.1           | 19.0           |                |                |                |                |                |                |
| 13.0  | 75.8                             | 71.1                                   | 15.1           | 18.2           |                |                |                |                |                |                |
| 14.0  | 74.1                             | 70.8                                   | 15.1           | 16.0           |                |                |                |                |                |                |
| 16.0  | 70.5                             | 70.2                                   | 13.4           | 12.7           |                |                |                |                |                |                |
| 18.0  | 66.9                             | 69.3                                   | 11.2           | 10.3           |                |                |                |                |                |                |
| 20.0  | 63.1                             | 68.4                                   | 8.7            | 8.4            |                |                |                |                |                |                |
| 22.0  | 59.3                             | 67.2                                   | 7.1            | 7.0            |                |                |                |                |                |                |
| 24.0  | 55.2                             | 65.9                                   | 5.8            | 5.8            |                |                |                |                |                |                |
| 26.0  | 50.9                             | 64.4                                   | 4.8            | 4.8            |                |                |                |                |                |                |
| 28.0  | 46.4                             | 62.6                                   | 4.0            | 4.1            |                |                |                |                |                |                |
| 30.0  | 41.4                             | 60.4                                   | 3.4            | 3.5            |                |                |                |                |                |                |
| 32.0  | 35.9                             | 57.9                                   | 2.8            | 2.9            |                |                |                |                |                |                |
| 34.0  | 29.4                             | 54.7                                   | 2.3            | 2.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 17.7  | 73.0                             | 70.3                                   |                | 13.4           |                |                |                |                |                |                |
| 18.0  | 72.5                             | 70.2                                   | 15.0           | 13.4           |                |                |                |                |                |                |
| 20.0  | 68.9                             | 69.5                                   | 12.5           | 11.4           |                |                |                |                |                |                |
| 22.0  | 65.2                             | 68.6                                   | 9.8            | 9.2            |                |                |                |                |                |                |
| 24.0  | 61.4                             | 67.6                                   | 7.8            | 7.7            |                |                |                |                |                |                |
| 26.0  | 57.5                             | 66.3                                   | 6.4            | 6.4            |                |                |                |                |                |                |
| 28.0  | 53.3                             | 64.9                                   | 5.3            | 5.4            |                |                |                |                |                |                |
| 30.0  | 48.9                             | 63.3                                   | 4.5            | 4.6            |                |                |                |                |                |                |
| 32.0  | 44.2                             | 61.3                                   | 3.8            | 3.9            |                |                |                |                |                |                |
| 34.0  | 39.0                             | 59.0                                   | 3.2            | 3.3            |                |                |                |                |                |                |
| 36.0  | 33.1                             | 56.2                                   | 2.8            | 2.8            |                |                |                |                |                |                |
| 38.0  | 26.0                             | 52.7                                   | 2.4            | 2.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 27.0  | 65.0                             | 67.4                                   |                | 8.4            |                |                |                |                |                |                |
| 28.0  | 63.1                             | 67.0                                   | 8.5            | 8.4            |                |                |                |                |                |                |
| 30.0  | 59.2                             | 65.8                                   | 7.0            | 6.9            |                |                |                |                |                |                |
| 32.0  | 55.1                             | 64.5                                   | 5.9            | 5.9            |                |                |                |                |                |                |
| 34.0  | 50.9                             | 62.9                                   | 4.9            | 5.0            |                |                |                |                |                |                |
| 36.0  | 46.3                             | 61.1                                   | 4.2            | 4.3            |                |                |                |                |                |                |
| 38.0  | 41.3                             | 59.0                                   | 3.6            | 3.6            |                |                |                |                |                |                |
| 40.0  | 35.8                             | 56.4                                   | 3.0            | 3.0            |                |                |                |                |                |                |
| 42.0  | 29.3                             | 53.3                                   | 2.6            | 2.4            |                |                |                |                |                |                |
| 44.0  | 22.1                             | 49.0                                   | 2.2            |                |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 37.9  | 55.0                             | 62.1                                   |                | 2.8            |                |                |                |                |                |                |
| 38.0  | 54.7                             | 62.1                                   | 3.6            | 2.7            |                |                |                |                |                |                |
| 40.0  | 50.4                             | 60.5                                   | 2.8            | 2.0            |                |                |                |                |                |                |
| 41.0  | 48.5                             | 59.6                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 77.5 m Plumín<br>43.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.7  | 78.0                             | 80.2                                   | 15.1           | 28.1           |                |                |                |                |                |                |
| 14.0  | 77.6                             | 80.2                                   | 15.1           | 28.1           |                |                |                |                |                |                |
| 16.0  | 74.8                             | 79.6                                   | 15.1           | 24.1           |                |                |                |                |                |                |
| 18.0  | 72.0                             | 79.0                                   | 15.1           | 20.1           |                |                |                |                |                |                |
| 20.0  | 69.2                             | 78.3                                   | 15.1           | 17.2           |                |                |                |                |                |                |
| 22.0  | 66.3                             | 77.4                                   | 13.6           | 14.8           |                |                |                |                |                |                |
| 24.0  | 63.3                             | 76.5                                   | 12.2           | 12.9           |                |                |                |                |                |                |
| 26.0  | 60.3                             | 75.4                                   | 11.0           | 11.5           |                |                |                |                |                |                |
| 28.0  | 57.1                             | 74.1                                   | 9.6            | 10.1           |                |                |                |                |                |                |
| 30.0  | 53.9                             | 72.7                                   | 8.4            | 9.0            |                |                |                |                |                |                |
| 32.0  | 50.4                             | 71.1                                   | 7.4            | 8.0            |                |                |                |                |                |                |
| 34.0  | 46.8                             | 69.3                                   | 6.2            | 6.7            |                |                |                |                |                |                |
| 36.0  | 43.0                             | 67.3                                   | 5.0            | 5.4            |                |                |                |                |                |                |
| 38.0  | 38.9                             | 64.9                                   | 3.9            | 4.2            |                |                |                |                |                |                |
| 40.0  | 34.3                             | 62.2                                   | 3.0            | 3.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 20.4  | 73.0                             | 78.9                                   |                | 17.5           |                |                |                |                |                |                |
| 22.0  | 70.8                             | 78.4                                   | 15.1           | 15.3           |                |                |                |                |                |                |
| 24.0  | 67.9                             | 77.6                                   | 15.1           | 13.0           |                |                |                |                |                |                |
| 26.0  | 65.0                             | 76.7                                   | 13.8           | 11.1           |                |                |                |                |                |                |
| 28.0  | 62.0                             | 75.7                                   | 12.3           | 9.5            |                |                |                |                |                |                |
| 30.0  | 58.9                             | 74.5                                   | 10.7           | 8.2            |                |                |                |                |                |                |
| 32.0  | 55.7                             | 73.2                                   | 9.2            | 7.0            |                |                |                |                |                |                |
| 34.0  | 52.3                             | 71.7                                   | 7.9            | 6.1            |                |                |                |                |                |                |
| 36.0  | 48.9                             | 70.0                                   | 6.7            | 5.1            |                |                |                |                |                |                |
| 38.0  | 45.2                             | 68.1                                   | 5.6            | 4.3            |                |                |                |                |                |                |
| 40.0  | 41.2                             | 65.9                                   | 4.6            | 3.5            |                |                |                |                |                |                |
| 42.0  | 36.9                             | 63.4                                   | 3.8            | 2.8            |                |                |                |                |                |                |
| 44.0  | 32.0                             | 60.5                                   | 2.9            | 2.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 30.8  | 65.0                             | 75.6                                   |                | 5.9            |                |                |                |                |                |                |
| 32.0  | 63.3                             | 75.1                                   | 6.7            | 5.3            |                |                |                |                |                |                |
| 34.0  | 60.2                             | 73.9                                   | 5.6            | 4.4            |                |                |                |                |                |                |
| 36.0  | 57.1                             | 72.7                                   | 4.6            | 3.6            |                |                |                |                |                |                |
| 38.0  | 53.8                             | 71.3                                   | 3.6            | 2.9            |                |                |                |                |                |                |
| 40.0  | 50.4                             | 69.7                                   | 2.7            | 2.1            |                |                |                |                |                |                |
| 41.0  | 48.9                             | 68.8                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 80.5 m Plumín<br>34.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.8  | 78.0                             | 71.4                                   |                | 30.1           |                |                |                |                |                |                |
| 12.0  | 77.7                             | 71.4                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 13.0  | 75.9                             | 71.1                                   | 15.1           | 30.0           |                |                |                |                |                |                |
| 14.0  | 74.2                             | 70.9                                   | 15.1           | 26.8           |                |                |                |                |                |                |
| 16.0  | 70.6                             | 70.2                                   | 15.1           | 21.4           |                |                |                |                |                |                |
| 18.0  | 67.0                             | 69.4                                   | 15.1           | 17.3           |                |                |                |                |                |                |
| 20.0  | 63.3                             | 68.4                                   | 15.1           | 14.2           |                |                |                |                |                |                |
| 22.0  | 59.4                             | 67.3                                   | 14.2           | 11.7           |                |                |                |                |                |                |
| 24.0  | 55.3                             | 65.9                                   | 9.5            | 9.4            |                |                |                |                |                |                |
| 26.0  | 51.0                             | 64.4                                   | 5.9            | 6.1            |                |                |                |                |                |                |
| 28.0  | 46.5                             | 62.6                                   | 3.8            | 4.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 17.8  | 73.0                             | 70.3                                   | 15.1           | 17.8           |                |                |                |                |                |                |
| 18.0  | 72.6                             | 70.2                                   | 15.1           | 17.3           |                |                |                |                |                |                |
| 20.0  | 69.0                             | 69.5                                   | 15.1           | 13.9           |                |                |                |                |                |                |
| 22.0  | 65.3                             | 68.6                                   | 15.1           | 11.3           |                |                |                |                |                |                |
| 24.0  | 61.5                             | 67.6                                   | 13.7           | 9.2            |                |                |                |                |                |                |
| 26.0  | 57.6                             | 66.4                                   | 11.3           | 7.5            |                |                |                |                |                |                |
| 28.0  | 53.4                             | 65.0                                   | 9.2            | 6.1            |                |                |                |                |                |                |
| 30.0  | 49.0                             | 63.3                                   | 7.3            | 4.9            |                |                |                |                |                |                |
| 32.0  | 44.3                             | 61.4                                   | 5.7            | 3.8            |                |                |                |                |                |                |
| 34.0  | 39.1                             | 59.1                                   | 3.8            | 2.8            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 27.0  | 65.0                             | 67.4                                   |                | 5.7            |                |                |                |                |                |                |
| 28.0  | 63.2                             | 67.0                                   | 7.0            | 5.0            |                |                |                |                |                |                |
| 30.0  | 59.3                             | 65.9                                   | 5.4            | 3.8            |                |                |                |                |                |                |
| 32.0  | 55.2                             | 64.5                                   | 4.0            | 2.8            |                |                |                |                |                |                |
| 34.0  | 51.3                             | 63.0                                   | 2.7            |                |                |                |                |                |                |                |
| 35.0  | 49.1                             | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 80.5 m Plumín<br>37.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 12.4  | 78.0                             | 74.3                                   | 15.1           | 19.6           |                |                |                |                |                |                |
| 13.0  | 77.0                             | 74.2                                   | 15.1           | 19.6           |                |                |                |                |                |                |
| 14.0  | 75.4                             | 73.9                                   | 15.1           | 18.1           |                |                |                |                |                |                |
| 16.0  | 72.2                             | 73.3                                   | 14.4           | 14.6           |                |                |                |                |                |                |
| 18.0  | 68.9                             | 72.6                                   | 12.9           | 12.0           |                |                |                |                |                |                |
| 20.0  | 65.5                             | 71.7                                   | 10.4           | 9.9            |                |                |                |                |                |                |
| 22.0  | 62.0                             | 70.7                                   | 8.4            | 8.3            |                |                |                |                |                |                |
| 24.0  | 58.4                             | 69.5                                   | 7.1            | 7.1            |                |                |                |                |                |                |
| 26.0  | 54.7                             | 68.2                                   | 6.0            | 6.1            |                |                |                |                |                |                |
| 28.0  | 50.7                             | 66.6                                   | 5.1            | 5.2            |                |                |                |                |                |                |
| 30.0  | 46.5                             | 64.8                                   | 4.5            | 4.6            |                |                |                |                |                |                |
| 32.0  | 42.0                             | 62.7                                   | 3.9            | 4.0            |                |                |                |                |                |                |
| 34.0  | 37.0                             | 60.2                                   | 3.4            | 3.5            |                |                |                |                |                |                |
| 36.0  | 31.4                             | 57.3                                   | 2.8            | 2.8            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 18.6  | 73.0                             | 73.2                                   | 15.0           | 13.9           |                |                |                |                |                |                |
| 20.0  | 70.7                             | 72.7                                   | 14.5           | 13.2           |                |                |                |                |                |                |
| 22.0  | 67.4                             | 71.9                                   | 11.6           | 10.9           |                |                |                |                |                |                |
| 24.0  | 63.9                             | 71.0                                   | 9.3            | 9.0            |                |                |                |                |                |                |
| 26.0  | 60.4                             | 69.9                                   | 7.8            | 7.7            |                |                |                |                |                |                |
| 28.0  | 56.7                             | 68.6                                   | 6.6            | 6.6            |                |                |                |                |                |                |
| 30.0  | 52.9                             | 67.2                                   | 5.7            | 5.7            |                |                |                |                |                |                |
| 32.0  | 48.9                             | 65.5                                   | 5.0            | 5.0            |                |                |                |                |                |                |
| 34.0  | 44.5                             | 63.6                                   | 4.3            | 4.4            |                |                |                |                |                |                |
| 36.0  | 39.8                             | 61.3                                   | 3.7            | 3.8            |                |                |                |                |                |                |
| 38.0  | 34.6                             | 58.7                                   | 3.2            | 3.4            |                |                |                |                |                |                |
| 40.0  | 28.5                             | 55.4                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| 42.0  | 20.7                             | 51.0                                   | 2.5            | 2.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 28.3  | 65.0                             | 70.1                                   | 9.0            | 8.9            |                |                |                |                |                |                |
| 30.0  | 61.9                             | 69.3                                   | 8.5            | 7.8            |                |                |                |                |                |                |
| 32.0  | 58.3                             | 68.1                                   | 7.2            | 6.6            |                |                |                |                |                |                |
| 34.0  | 54.6                             | 66.7                                   | 6.1            | 5.6            |                |                |                |                |                |                |
| 36.0  | 50.6                             | 65.2                                   | 5.3            | 4.7            |                |                |                |                |                |                |
| 38.0  | 46.4                             | 63.4                                   | 4.7            | 3.9            |                |                |                |                |                |                |
| 40.0  | 41.9                             | 61.3                                   | 4.1            | 3.2            |                |                |                |                |                |                |
| 42.0  | 36.9                             | 58.8                                   | 3.6            | 2.6            |                |                |                |                |                |                |
| 44.0  | 31.8                             | 55.8                                   | 2.8            |                |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 39.6  | 55.0                             | 64.5                                   |                | 2.2            |                |                |                |                |                |                |
| 40.0  | 54.2                             | 64.3                                   | 2.8            | 2.1            |                |                |                |                |                |                |
| 41.0  | 52.5                             | 63.6                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 83.5 m Plumín<br>37.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 12.4  | 78.0                             | 74.4                                   |                | 28.5           |                |                |                |                |                |                |
| 13.0  | 77.1                             | 74.2                                   | 15.1           | 28.5           |                |                |                |                |                |                |
| 14.0  | 75.5                             | 74.0                                   | 15.1           | 27.0           |                |                |                |                |                |                |
| 16.0  | 72.3                             | 73.4                                   | 15.1           | 21.7           |                |                |                |                |                |                |
| 18.0  | 69.0                             | 72.6                                   | 15.1           | 17.5           |                |                |                |                |                |                |
| 20.0  | 65.6                             | 71.8                                   | 13.8           | 14.4           |                |                |                |                |                |                |
| 22.0  | 62.1                             | 70.7                                   | 12.2           | 11.9           |                |                |                |                |                |                |
| 24.0  | 58.5                             | 69.6                                   | 9.9            | 9.9            |                |                |                |                |                |                |
| 26.0  | 54.8                             | 68.2                                   | 6.8            | 7.0            |                |                |                |                |                |                |
| 28.0  | 50.8                             | 66.6                                   | 4.2            | 4.4            |                |                |                |                |                |                |
| 30.0  | 46.6                             | 64.8                                   | 2.8            | 3.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 18.6  | 73.0                             | 73.2                                   |                | 16.1           |                |                |                |                |                |                |
| 20.0  | 70.8                             | 72.7                                   | 15.1           | 13.9           |                |                |                |                |                |                |
| 22.0  | 67.5                             | 71.9                                   | 15.1           | 11.3           |                |                |                |                |                |                |
| 24.0  | 64.0                             | 71.0                                   | 13.3           | 9.2            |                |                |                |                |                |                |
| 26.0  | 60.5                             | 69.9                                   | 11.0           | 7.5            |                |                |                |                |                |                |
| 28.0  | 56.8                             | 68.6                                   | 9.0            | 6.1            |                |                |                |                |                |                |
| 30.0  | 53.0                             | 67.2                                   | 7.3            | 4.9            |                |                |                |                |                |                |
| 32.0  | 49.0                             | 65.5                                   | 5.7            | 3.9            |                |                |                |                |                |                |
| 34.0  | 44.6                             | 63.6                                   | 4.3            | 2.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 28.3  | 65.0                             | 70.2                                   |                | 4.6            |                |                |                |                |                |                |
| 30.0  | 62.0                             | 69.3                                   | 5.0            | 3.6            |                |                |                |                |                |                |
| 32.0  | 58.4                             | 68.1                                   | 3.7            | 2.6            |                |                |                |                |                |                |
| 34.0  | 54.9                             | 66.8                                   | 2.6            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 83.5 m Plumín<br>40.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.0  | 78.0                             | 77.3                                   | 15.1           | 16.8           |                |                |                |                |                |                |
| 14.0  | 76.5                             | 77.0                                   | 15.1           | 16.8           |                |                |                |                |                |                |
| 16.0  | 73.6                             | 76.5                                   | 13.5           | 13.8           |                |                |                |                |                |                |
| 18.0  | 70.5                             | 75.8                                   | 11.4           | 11.2           |                |                |                |                |                |                |
| 20.0  | 67.4                             | 75.0                                   | 9.6            | 9.3            |                |                |                |                |                |                |
| 22.0  | 64.3                             | 74.1                                   | 7.8            | 7.7            |                |                |                |                |                |                |
| 24.0  | 61.0                             | 73.0                                   | 6.5            | 6.5            |                |                |                |                |                |                |
| 26.0  | 57.7                             | 71.8                                   | 5.5            | 5.5            |                |                |                |                |                |                |
| 28.0  | 54.2                             | 70.4                                   | 4.6            | 4.7            |                |                |                |                |                |                |
| 30.0  | 50.5                             | 68.8                                   | 4.0            | 4.0            |                |                |                |                |                |                |
| 32.0  | 46.6                             | 67.0                                   | 3.4            | 3.5            |                |                |                |                |                |                |
| 34.0  | 42.5                             | 65.0                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| 36.0  | 38.0                             | 62.6                                   | 2.5            | 2.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 19.5  | 73.0                             | 76.0                                   | 11.7           | 11.8           |                |                |                |                |                |                |
| 20.0  | 72.2                             | 75.9                                   | 11.7           | 11.8           |                |                |                |                |                |                |
| 22.0  | 69.2                             | 75.1                                   | 10.3           | 10.1           |                |                |                |                |                |                |
| 24.0  | 66.0                             | 74.3                                   | 8.6            | 8.4            |                |                |                |                |                |                |
| 26.0  | 62.8                             | 73.3                                   | 7.1            | 7.1            |                |                |                |                |                |                |
| 28.0  | 59.5                             | 72.2                                   | 6.0            | 6.1            |                |                |                |                |                |                |
| 30.0  | 56.1                             | 70.9                                   | 5.1            | 5.2            |                |                |                |                |                |                |
| 32.0  | 52.6                             | 69.4                                   | 4.4            | 4.5            |                |                |                |                |                |                |
| 34.0  | 48.8                             | 67.7                                   | 3.8            | 3.9            |                |                |                |                |                |                |
| 36.0  | 44.8                             | 65.8                                   | 3.3            | 3.3            |                |                |                |                |                |                |
| 38.0  | 40.5                             | 63.6                                   | 2.8            | 2.9            |                |                |                |                |                |                |
| 40.0  | 35.8                             | 61.0                                   | 2.4            | 2.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 29.5  | 65.0                             | 72.9                                   |                | 7.4            |                |                |                |                |                |                |
| 30.0  | 64.2                             | 72.7                                   | 7.3            | 7.3            |                |                |                |                |                |                |
| 32.0  | 61.0                             | 71.6                                   | 6.5            | 6.6            |                |                |                |                |                |                |
| 34.0  | 57.6                             | 70.4                                   | 5.6            | 5.6            |                |                |                |                |                |                |
| 36.0  | 54.1                             | 69.0                                   | 4.7            | 4.7            |                |                |                |                |                |                |
| 38.0  | 50.5                             | 67.4                                   | 4.1            | 3.9            |                |                |                |                |                |                |
| 40.0  | 46.6                             | 65.6                                   | 3.5            | 3.2            |                |                |                |                |                |                |
| 42.0  | 42.4                             | 63.5                                   | 3.1            | 2.6            |                |                |                |                |                |                |
| 44.0  | 38.3                             | 61.1                                   | 2.6            |                |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 41.4  | 55.0                             | 67.0                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 86.5 m Plumín<br>40.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.1  | 78.0                             | 77.3                                   | 15.1           | 26.6           |                |                |                |                |                |                |
| 14.0  | 76.6                             | 77.1                                   | 15.1           | 26.6           |                |                |                |                |                |                |
| 16.0  | 73.6                             | 76.5                                   | 15.1           | 21.7           |                |                |                |                |                |                |
| 18.0  | 70.6                             | 75.8                                   | 15.1           | 17.7           |                |                |                |                |                |                |
| 20.0  | 67.5                             | 75.0                                   | 14.5           | 14.5           |                |                |                |                |                |                |
| 22.0  | 64.4                             | 74.1                                   | 12.3           | 12.0           |                |                |                |                |                |                |
| 24.0  | 61.1                             | 73.1                                   | 10.6           | 10.0           |                |                |                |                |                |                |
| 26.0  | 57.8                             | 71.8                                   | 7.7            | 8.2            |                |                |                |                |                |                |
| 28.0  | 54.3                             | 70.5                                   | 5.1            | 5.3            |                |                |                |                |                |                |
| 30.0  | 50.6                             | 68.9                                   | 3.0            | 3.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 19.5  | 73.0                             | 76.0                                   |                | 14.6           |                |                |                |                |                |                |
| 20.0  | 72.3                             | 75.9                                   | 15.1           | 13.9           |                |                |                |                |                |                |
| 22.0  | 69.2                             | 75.2                                   | 15.1           | 11.3           |                |                |                |                |                |                |
| 24.0  | 66.1                             | 74.3                                   | 12.9           | 9.2            |                |                |                |                |                |                |
| 26.0  | 62.9                             | 73.3                                   | 10.7           | 7.5            |                |                |                |                |                |                |
| 28.0  | 59.6                             | 72.2                                   | 8.8            | 6.1            |                |                |                |                |                |                |
| 30.0  | 56.2                             | 70.9                                   | 7.1            | 4.9            |                |                |                |                |                |                |
| 32.0  | 52.7                             | 69.4                                   | 5.7            | 3.9            |                |                |                |                |                |                |
| 34.0  | 48.9                             | 67.8                                   | 4.3            | 3.0            |                |                |                |                |                |                |
| 36.0  | 44.9                             | 65.9                                   | 3.1            | 2.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 29.6  | 65.0                             | 72.9                                   |                | 3.7            |                |                |                |                |                |                |
| 30.0  | 64.3                             | 72.7                                   | 4.7            | 3.5            |                |                |                |                |                |                |
| 32.0  | 61.1                             | 71.6                                   | 3.4            | 2.5            |                |                |                |                |                |                |
| 34.0  | 57.9                             | 70.4                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 86.5 m Plumín<br>43.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.6  | 78.0                             | 80.2                                   |                | 14.9           |                |                |                |                |                |                |
| 14.0  | 77.5                             | 80.1                                   | 15.1           | 14.9           |                |                |                |                |                |                |
| 16.0  | 74.7                             | 79.6                                   | 13.9           | 12.8           |                |                |                |                |                |                |
| 18.0  | 71.9                             | 79.0                                   | 11.1           | 10.4           |                |                |                |                |                |                |
| 20.0  | 69.1                             | 78.3                                   | 8.7            | 8.6            |                |                |                |                |                |                |
| 22.0  | 66.2                             | 77.4                                   | 7.1            | 7.1            |                |                |                |                |                |                |
| 24.0  | 63.2                             | 76.4                                   | 5.8            | 5.9            |                |                |                |                |                |                |
| 26.0  | 60.2                             | 75.3                                   | 4.9            | 5.0            |                |                |                |                |                |                |
| 28.0  | 57.0                             | 74.1                                   | 4.1            | 4.2            |                |                |                |                |                |                |
| 30.0  | 53.8                             | 72.7                                   | 3.5            | 3.6            |                |                |                |                |                |                |
| 32.0  | 50.4                             | 71.1                                   | 3.0            | 3.1            |                |                |                |                |                |                |
| 34.0  | 46.8                             | 69.3                                   | 2.5            | 2.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 20.3  | 73.0                             | 78.9                                   |                | 10.0           |                |                |                |                |                |                |
| 22.0  | 70.7                             | 78.3                                   | 9.8            | 9.5            |                |                |                |                |                |                |
| 24.0  | 67.8                             | 77.6                                   | 7.8            | 7.8            |                |                |                |                |                |                |
| 26.0  | 64.9                             | 76.7                                   | 6.5            | 6.5            |                |                |                |                |                |                |
| 28.0  | 61.9                             | 75.6                                   | 5.4            | 5.5            |                |                |                |                |                |                |
| 30.0  | 58.8                             | 74.5                                   | 4.6            | 4.7            |                |                |                |                |                |                |
| 32.0  | 55.6                             | 73.1                                   | 3.9            | 4.0            |                |                |                |                |                |                |
| 34.0  | 52.3                             | 71.7                                   | 3.3            | 3.4            |                |                |                |                |                |                |
| 36.0  | 48.8                             | 70.0                                   | 2.8            | 2.9            |                |                |                |                |                |                |
| 38.0  | 45.1                             | 68.1                                   | 2.4            | 2.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 30.8  | 65.0                             | 75.6                                   |                | 6.1            |                |                |                |                |                |                |
| 32.0  | 63.2                             | 75.0                                   | 5.6            | 6.0            |                |                |                |                |                |                |
| 34.0  | 60.1                             | 73.9                                   | 4.7            | 5.1            |                |                |                |                |                |                |
| 36.0  | 57.0                             | 72.7                                   | 4.1            | 4.4            |                |                |                |                |                |                |
| 38.0  | 53.7                             | 71.2                                   | 3.4            | 3.7            |                |                |                |                |                |                |
| 40.0  | 50.3                             | 69.7                                   | 3.0            | 3.2            |                |                |                |                |                |                |
| 42.0  | 46.7                             | 67.9                                   | 2.5            | 2.7            |                |                |                |                |                |                |
| 44.0  | 42.8                             | 65.8                                   | 2.2            | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 89.5 m Plumín<br>46.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.3  | 78.0                             | 83.1                                   | 15.1           | 13.9           |                |                |                |                |                |                |
| 16.0  | 75.8                             | 82.7                                   | 14.1           | 13.0           |                |                |                |                |                |                |
| 18.0  | 73.2                             | 82.1                                   | 11.1           | 10.5           |                |                |                |                |                |                |
| 20.0  | 70.5                             | 81.5                                   | 8.7            | 8.5            |                |                |                |                |                |                |
| 22.0  | 67.9                             | 80.7                                   | 7.1            | 7.1            |                |                |                |                |                |                |
| 24.0  | 65.1                             | 79.8                                   | 5.8            | 5.9            |                |                |                |                |                |                |
| 26.0  | 62.3                             | 78.8                                   | 4.9            | 5.0            |                |                |                |                |                |                |
| 28.0  | 59.5                             | 77.6                                   | 4.1            | 4.2            |                |                |                |                |                |                |
| 30.0  | 56.5                             | 76.4                                   | 3.5            | 3.6            |                |                |                |                |                |                |
| 32.0  | 53.4                             | 74.9                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| 34.0  | 50.2                             | 73.3                                   | 2.5            | 2.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 21.2  | 73.0                             | 81.8                                   |                | 9.1            |                |                |                |                |                |                |
| 22.0  | 72.0                             | 81.5                                   | 8.4            | 9.1            |                |                |                |                |                |                |
| 24.0  | 69.3                             | 80.8                                   | 7.1            | 7.7            |                |                |                |                |                |                |
| 26.0  | 66.6                             | 80.0                                   | 6.0            | 6.5            |                |                |                |                |                |                |
| 28.0  | 63.9                             | 79.0                                   | 5.0            | 5.4            |                |                |                |                |                |                |
| 30.0  | 61.0                             | 77.9                                   | 4.3            | 4.7            |                |                |                |                |                |                |
| 32.0  | 58.1                             | 76.7                                   | 3.7            | 4.0            |                |                |                |                |                |                |
| 34.0  | 55.1                             | 75.4                                   | 3.1            | 3.4            |                |                |                |                |                |                |
| 36.0  | 52.0                             | 73.9                                   | 2.7            | 2.9            |                |                |                |                |                |                |
| 38.0  | 48.7                             | 72.2                                   | 2.3            | 2.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 32.1  | 65.0                             | 78.3                                   | 5.3            | 5.4            |                |                |                |                |                |                |
| 34.0  | 62.3                             | 77.4                                   | 5.0            | 5.1            |                |                |                |                |                |                |
| 36.0  | 59.4                             | 76.2                                   | 4.2            | 4.3            |                |                |                |                |                |                |
| 38.0  | 56.4                             | 74.9                                   | 3.6            | 3.7            |                |                |                |                |                |                |
| 40.0  | 53.4                             | 73.5                                   | 3.0            | 3.1            |                |                |                |                |                |                |
| 42.0  | 50.2                             | 71.9                                   | 2.6            | 2.6            |                |                |                |                |                |                |
| 44.0  | 46.8                             | 70.1                                   | 2.2            | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 92.5 m Plumín<br>49.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.9  | 78.0                             | 86.1                                   | 11.7           | 12.7           |                |                |                |                |                |                |
| 16.0  | 76.6                             | 85.8                                   | 11.7           | 12.7           |                |                |                |                |                |                |
| 18.0  | 74.2                             | 85.3                                   | 10.2           | 10.2           |                |                |                |                |                |                |
| 20.0  | 71.8                             | 84.6                                   | 8.5            | 8.4            |                |                |                |                |                |                |
| 22.0  | 69.3                             | 83.9                                   | 6.9            | 7.0            |                |                |                |                |                |                |
| 24.0  | 66.7                             | 83.1                                   | 5.7            | 5.8            |                |                |                |                |                |                |
| 26.0  | 64.2                             | 82.1                                   | 4.8            | 4.9            |                |                |                |                |                |                |
| 28.0  | 61.5                             | 81.1                                   | 4.0            | 4.1            |                |                |                |                |                |                |
| 30.0  | 58.8                             | 79.9                                   | 3.4            | 3.5            |                |                |                |                |                |                |
| 32.0  | 56.0                             | 78.6                                   | 2.9            | 2.9            |                |                |                |                |                |                |
| 34.0  | 53.1                             | 77.2                                   | 2.4            | 2.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 22.1  | 73.0                             | 84.6                                   |                | 8.2            |                |                |                |                |                |                |
| 24.0  | 70.7                             | 84.0                                   | 7.0            | 7.6            |                |                |                |                |                |                |
| 26.0  | 68.1                             | 83.2                                   | 5.8            | 6.3            |                |                |                |                |                |                |
| 28.0  | 65.6                             | 82.4                                   | 5.0            | 5.4            |                |                |                |                |                |                |
| 30.0  | 63.0                             | 81.4                                   | 4.2            | 4.5            |                |                |                |                |                |                |
| 32.0  | 60.3                             | 80.3                                   | 3.6            | 3.9            |                |                |                |                |                |                |
| 34.0  | 57.6                             | 79.0                                   | 3.1            | 3.3            |                |                |                |                |                |                |
| 36.0  | 54.7                             | 77.7                                   | 2.6            | 2.8            |                |                |                |                |                |                |
| 38.0  | 51.8                             | 76.1                                   | 2.2            | 2.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 33.3  | 65.0                             | 81.0                                   |                | 4.8            |                |                |                |                |                |                |
| 34.0  | 64.1                             | 80.7                                   | 4.6            | 4.8            |                |                |                |                |                |                |
| 36.0  | 61.5                             | 79.7                                   | 4.1            | 4.2            |                |                |                |                |                |                |
| 38.0  | 58.8                             | 78.5                                   | 3.5            | 3.6            |                |                |                |                |                |                |
| 40.0  | 56.0                             | 77.2                                   | 3.0            | 3.1            |                |                |                |                |                |                |
| 42.0  | 53.1                             | 75.7                                   | 2.5            | 2.5            |                |                |                |                |                |                |
| 44.0  | 50.0                             | 74.1                                   | 2.1            | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 35.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 95.5 m Plumín<br>52.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 15.5  | 78.0                             | 89.0                                   | 9.2            | 10.4           |                |                |                |                |                |                |
| 16.0  | 77.4                             | 88.9                                   | 9.2            | 10.4           |                |                |                |                |                |                |
| 18.0  | 75.2                             | 88.4                                   | 8.3            | 9.3            |                |                |                |                |                |                |
| 20.0  | 72.9                             | 87.8                                   | 7.3            | 7.8            |                |                |                |                |                |                |
| 22.0  | 70.5                             | 87.1                                   | 6.0            | 6.2            |                |                |                |                |                |                |
| 24.0  | 68.2                             | 86.3                                   | 5.2            | 5.2            |                |                |                |                |                |                |
| 26.0  | 65.8                             | 85.5                                   | 4.2            | 4.3            |                |                |                |                |                |                |
| 28.0  | 63.3                             | 84.5                                   | 3.5            | 3.6            |                |                |                |                |                |                |
| 30.0  | 60.8                             | 83.4                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| 32.0  | 58.2                             | 82.2                                   | 2.4            | 2.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 23.0  | 73.0                             | 87.5                                   | 6.6            | 6.8            |                |                |                |                |                |                |
| 24.0  | 71.8                             | 87.2                                   | 6.6            | 6.7            |                |                |                |                |                |                |
| 26.0  | 69.5                             | 86.5                                   | 5.6            | 5.7            |                |                |                |                |                |                |
| 28.0  | 67.1                             | 85.6                                   | 4.7            | 4.8            |                |                |                |                |                |                |
| 30.0  | 64.7                             | 84.7                                   | 3.9            | 4.0            |                |                |                |                |                |                |
| 32.0  | 62.2                             | 83.7                                   | 3.2            | 3.4            |                |                |                |                |                |                |
| 34.0  | 59.6                             | 82.6                                   | 2.7            | 2.8            |                |                |                |                |                |                |
| 36.0  | 57.0                             | 81.3                                   | 2.2            | 2.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 34.6  | 65.0                             | 83.7                                   |                | 3.7            |                |                |                |                |                |                |
| 36.0  | 63.3                             | 83.1                                   | 3.6            | 3.7            |                |                |                |                |                |                |
| 38.0  | 60.8                             | 82.0                                   | 3.0            | 3.1            |                |                |                |                |                |                |
| 40.0  | 58.2                             | 80.8                                   | 2.5            | 2.6            |                |                |                |                |                |                |
| 42.0  | 55.5                             | 79.5                                   | 2.0            | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 32.5 m Plumín<br>13.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 7.5   | 78.0                             | 53.9                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 8.0   | 75.7                             | 53.7                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 9.0   | 71.0                             | 53.4                                   | 15.1           | 23.4           |                |                |                |                |                |                |
| 10.0  | 66.2                             | 53.0                                   | 15.1           | 17.7           |                |                |                |                |                |                |
| 11.0  | 61.2                             | 52.4                                   | 14.9           | 14.1           |                |                |                |                |                |                |
| 12.0  | 55.9                             | 51.8                                   | 12.6           | 11.6           |                |                |                |                |                |                |
| 13.0  | 50.2                             | 51.0                                   | 10.9           | 9.9            |                |                |                |                |                |                |
| 14.0  | 43.8                             | 50.0                                   | 9.2            | 8.5            |                |                |                |                |                |                |
| 16.0  | 27.5                             | 47.1                                   | 6.8            | 6.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.9  | 73.0                             | 53.2                                   |                | 25.9           |                |                |                |                |                |                |
| 12.0  | 72.7                             | 53.2                                   | 15.1           | 25.9           |                |                |                |                |                |                |
| 13.0  | 68.0                             | 52.8                                   | 15.1           | 19.4           |                |                |                |                |                |                |
| 14.0  | 63.0                             | 52.3                                   | 15.1           | 15.1           |                |                |                |                |                |                |
| 16.0  | 52.3                             | 50.9                                   | 11.5           | 10.4           |                |                |                |                |                |                |
| 18.0  | 39.3                             | 48.9                                   | 8.2            | 7.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 18.9  | 65.0                             | 51.3                                   |                | 16.0           |                |                |                |                |                |                |
| 20.0  | 59.3                             | 50.7                                   | 14.9           | 13.0           |                |                |                |                |                |                |
| 22.0  | 47.9                             | 49.1                                   | 10.1           | 9.2            |                |                |                |                |                |                |
| 24.0  | 33.6                             | 46.7                                   | 7.3            | 7.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 27.1  | 55.0                             | 47.6                                   |                | 11.0           |                |                |                |                |                |                |
| 28.0  | 49.7                             | 46.9                                   | 9.1            | 9.5            |                |                |                |                |                |                |
| 30.0  | 35.9                             | 44.7                                   | 6.8            | 7.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 45.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 40.9  | 35.0                             | 36.2                                   |                | 3.0            |                |                |                |                |                |                |
| 42.0  | 24.7                             | 34.6                                   | 3.3            | 2.6            |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 35.5 m Plumín<br>16.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 8.1   | 78.0                             | 56.8                                   |                | 30.1           |                |                |                |                |                |                |
| 9.0   | 74.7                             | 56.6                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 70.9                             | 56.2                                   | 15.1           | 23.8           |                |                |                |                |                |                |
| 11.0  | 67.1                             | 55.8                                   | 15.1           | 19.2           |                |                |                |                |                |                |
| 12.0  | 63.0                             | 55.3                                   | 15.1           | 15.8           |                |                |                |                |                |                |
| 13.0  | 58.9                             | 54.7                                   | 13.9           | 13.5           |                |                |                |                |                |                |
| 14.0  | 54.5                             | 54.0                                   | 12.3           | 11.7           |                |                |                |                |                |                |
| 16.0  | 44.7                             | 52.2                                   | 9.7            | 9.3            |                |                |                |                |                |                |
| 18.0  | 32.6                             | 49.6                                   | 7.6            | 7.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 12.8  | 73.0                             | 56.1                                   |                | 26.1           |                |                |                |                |                |                |
| 13.0  | 72.3                             | 56.0                                   | 15.1           | 26.1           |                |                |                |                |                |                |
| 14.0  | 68.5                             | 55.6                                   | 15.1           | 20.5           |                |                |                |                |                |                |
| 16.0  | 60.4                             | 54.6                                   | 14.6           | 14.2           |                |                |                |                |                |                |
| 18.0  | 51.5                             | 53.2                                   | 11.6           | 10.8           |                |                |                |                |                |                |
| 20.0  | 41.2                             | 51.2                                   | 8.9            | 8.6            |                |                |                |                |                |                |
| 22.0  | 27.7                             | 48.2                                   | 7.2            | 7.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 20.2  | 65.0                             | 54.0                                   | 15.1           | 16.5           |                |                |                |                |                |                |
| 22.0  | 57.3                             | 53.0                                   | 14.2           | 12.7           |                |                |                |                |                |                |
| 24.0  | 48.0                             | 51.4                                   | 10.4           | 9.9            |                |                |                |                |                |                |
| 26.0  | 36.9                             | 49.1                                   | 8.0            | 7.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 28.8  | 55.0                             | 50.1                                   |                | 11.4           |                |                |                |                |                |                |
| 30.0  | 49.4                             | 49.2                                   | 10.7           | 10.1           |                |                |                |                |                |                |
| 32.0  | 38.6                             | 47.0                                   | 8.2            | 8.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 45.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 43.4  | 35.0                             | 38.0                                   |                | 2.3            |                |                |                |                |                |                |
| 44.0  | 30.8                             | 37.3                                   | 2.6            | 2.1            |                |                |                |                |                |                |
| 45.0  | 24.2                             | 35.3                                   | 2.2            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 38.5 m Plumín<br>16.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 8.2   | 78.0                             | 56.8                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 9.0   | 74.9                             | 56.6                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 71.2                             | 56.3                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 67.3                             | 55.8                                   | 15.1           | 26.8           |                |                |                |                |                |                |
| 12.0  | 63.3                             | 55.3                                   | 15.1           | 22.4           |                |                |                |                |                |                |
| 13.0  | 59.1                             | 54.7                                   | 15.1           | 19.1           |                |                |                |                |                |                |
| 14.0  | 54.7                             | 54.0                                   | 15.1           | 16.3           |                |                |                |                |                |                |
| 16.0  | 45.0                             | 52.3                                   | 13.5           | 12.8           |                |                |                |                |                |                |
| 18.0  | 32.9                             | 49.7                                   | 11.0           | 10.4           |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 12.9  | 73.0                             | 56.1                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 13.0  | 72.5                             | 56.0                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 14.0  | 68.7                             | 55.7                                   | 15.1           | 29.0           |                |                |                |                |                |                |
| 16.0  | 60.6                             | 54.6                                   | 15.1           | 20.1           |                |                |                |                |                |                |
| 18.0  | 51.7                             | 53.2                                   | 15.1           | 15.0           |                |                |                |                |                |                |
| 20.0  | 41.5                             | 51.2                                   | 12.4           | 11.8           |                |                |                |                |                |                |
| 22.0  | 28.0                             | 48.2                                   | 10.3           | 9.8            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 20.2  | 65.0                             | 54.0                                   |                | 20.0           |                |                |                |                |                |                |
| 22.0  | 57.5                             | 53.0                                   | 15.1           | 17.0           |                |                |                |                |                |                |
| 24.0  | 48.2                             | 51.4                                   | 14.3           | 13.6           |                |                |                |                |                |                |
| 26.0  | 37.1                             | 49.1                                   | 10.9           | 10.8           |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 28.9  | 55.0                             | 50.0                                   |                | 8.9            |                |                |                |                |                |                |
| 30.0  | 49.6                             | 49.2                                   | 10.0           | 8.0            |                |                |                |                |                |                |
| 32.0  | 38.9                             | 47.1                                   | 8.5            | 6.7            |                |                |                |                |                |                |
| 34.0  | 24.0                             | 43.7                                   | 7.2            | 5.5            |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 38.5 m Plumín<br>19.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 8.7   | 78.0                             | 59.7                                   |                | 30.1           |                |                |                |                |                |                |
| 9.0   | 77.2                             | 59.7                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 74.1                             | 59.4                                   | 15.1           | 28.9           |                |                |                |                |                |                |
| 11.0  | 70.9                             | 59.0                                   | 15.1           | 23.3           |                |                |                |                |                |                |
| 12.0  | 67.6                             | 58.6                                   | 15.1           | 19.7           |                |                |                |                |                |                |
| 13.0  | 64.3                             | 58.2                                   | 15.1           | 16.9           |                |                |                |                |                |                |
| 14.0  | 60.8                             | 57.6                                   | 14.9           | 14.8           |                |                |                |                |                |                |
| 16.0  | 53.5                             | 56.2                                   | 12.6           | 11.7           |                |                |                |                |                |                |
| 18.0  | 45.3                             | 54.5                                   | 10.4           | 9.6            |                |                |                |                |                |                |
| 20.0  | 35.6                             | 52.0                                   | 8.3            | 8.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.7  | 73.0                             | 58.9                                   |                | 25.3           |                |                |                |                |                |                |
| 14.0  | 72.0                             | 58.8                                   | 15.1           | 25.2           |                |                |                |                |                |                |
| 16.0  | 65.5                             | 58.0                                   | 15.1           | 17.7           |                |                |                |                |                |                |
| 18.0  | 58.5                             | 56.9                                   | 13.8           | 13.6           |                |                |                |                |                |                |
| 20.0  | 51.0                             | 55.4                                   | 11.4           | 11.0           |                |                |                |                |                |                |
| 22.0  | 42.4                             | 53.4                                   | 9.1            | 9.0            |                |                |                |                |                |                |
| 24.0  | 31.9                             | 50.7                                   | 7.5            | 7.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 21.4  | 65.0                             | 56.7                                   |                | 16.7           |                |                |                |                |                |                |
| 22.0  | 63.0                             | 56.5                                   | 15.1           | 16.0           |                |                |                |                |                |                |
| 24.0  | 55.9                             | 55.2                                   | 13.9           | 12.5           |                |                |                |                |                |                |
| 26.0  | 48.0                             | 53.6                                   | 11.2           | 10.2           |                |                |                |                |                |                |
| 28.0  | 38.9                             | 51.4                                   | 8.9            | 8.5            |                |                |                |                |                |                |
| 30.0  | 27.2                             | 48.3                                   | 7.4            | 7.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 30.5  | 55.0                             | 52.5                                   |                | 10.5           |                |                |                |                |                |                |
| 32.0  | 49.2                             | 51.4                                   | 10.8           | 9.5            |                |                |                |                |                |                |
| 34.0  | 40.3                             | 49.3                                   | 8.7            | 8.4            |                |                |                |                |                |                |
| 36.0  | 29.2                             | 46.3                                   | 7.3            | 7.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 45.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 46.0  | 35.0                             | 39.7                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 41.5 m Plumín<br>19.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 8.8   | 78.0                             | 59.8                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 9.0   | 77.4                             | 59.7                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 74.2                             | 59.4                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 71.1                             | 59.1                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 67.8                             | 58.7                                   | 15.1           | 27.5           |                |                |                |                |                |                |
| 13.0  | 64.5                             | 58.2                                   | 15.1           | 23.2           |                |                |                |                |                |                |
| 14.0  | 61.0                             | 57.6                                   | 15.1           | 20.2           |                |                |                |                |                |                |
| 16.0  | 53.7                             | 56.3                                   | 15.1           | 15.7           |                |                |                |                |                |                |
| 18.0  | 45.5                             | 54.5                                   | 13.5           | 12.7           |                |                |                |                |                |                |
| 20.0  | 35.8                             | 52.1                                   | 11.1           | 10.3           |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.8  | 73.0                             | 58.9                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 14.0  | 72.2                             | 58.9                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 16.0  | 65.7                             | 58.0                                   | 15.1           | 24.6           |                |                |                |                |                |                |
| 18.0  | 58.7                             | 56.9                                   | 15.1           | 18.5           |                |                |                |                |                |                |
| 20.0  | 51.2                             | 55.4                                   | 15.1           | 14.6           |                |                |                |                |                |                |
| 22.0  | 42.6                             | 53.5                                   | 12.6           | 11.9           |                |                |                |                |                |                |
| 24.0  | 32.2                             | 50.8                                   | 10.5           | 9.8            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 21.5  | 65.0                             | 56.7                                   |                | 18.1           |                |                |                |                |                |                |
| 22.0  | 63.2                             | 56.5                                   | 15.1           | 17.4           |                |                |                |                |                |                |
| 24.0  | 56.1                             | 55.3                                   | 15.1           | 14.8           |                |                |                |                |                |                |
| 26.0  | 48.2                             | 53.6                                   | 14.6           | 12.6           |                |                |                |                |                |                |
| 28.0  | 39.1                             | 51.5                                   | 12.0           | 10.9           |                |                |                |                |                |                |
| 30.0  | 27.5                             | 48.3                                   | 9.9            | 9.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 30.6  | 55.0                             | 52.5                                   |                | 7.7            |                |                |                |                |                |                |
| 32.0  | 49.4                             | 51.4                                   | 8.3            | 6.8            |                |                |                |                |                |                |
| 34.0  | 40.5                             | 49.4                                   | 7.1            | 5.7            |                |                |                |                |                |                |
| 36.0  | 29.4                             | 46.4                                   | 6.0            | 4.7            |                |                |                |                |                |                |
| 37.0  | 21.8                             | 44.3                                   | 5.5            | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 41.5 m Plumín<br>22.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 9.4   | 78.0                             | 62.7                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 76.3                             | 62.5                                   | 15.1           | 29.5           |                |                |                |                |                |                |
| 11.0  | 73.6                             | 62.2                                   | 15.1           | 24.2           |                |                |                |                |                |                |
| 12.0  | 70.8                             | 61.9                                   | 15.1           | 20.2           |                |                |                |                |                |                |
| 13.0  | 68.0                             | 61.5                                   | 15.1           | 17.5           |                |                |                |                |                |                |
| 14.0  | 65.2                             | 61.0                                   | 15.1           | 15.3           |                |                |                |                |                |                |
| 16.0  | 59.2                             | 59.9                                   | 13.7           | 12.2           |                |                |                |                |                |                |
| 18.0  | 52.8                             | 58.5                                   | 10.7           | 10.0           |                |                |                |                |                |                |
| 20.0  | 45.7                             | 56.7                                   | 8.8            | 8.4            |                |                |                |                |                |                |
| 22.0  | 37.6                             | 54.4                                   | 7.3            | 7.1            |                |                |                |                |                |                |
| 24.0  | 27.4                             | 51.2                                   | 6.2            | 6.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.6  | 73.0                             | 61.8                                   | 15.1           | 22.0           |                |                |                |                |                |                |
| 16.0  | 69.0                             | 61.3                                   | 15.1           | 18.3           |                |                |                |                |                |                |
| 18.0  | 63.3                             | 60.3                                   | 15.1           | 14.1           |                |                |                |                |                |                |
| 20.0  | 57.2                             | 59.1                                   | 12.6           | 11.4           |                |                |                |                |                |                |
| 22.0  | 50.6                             | 57.6                                   | 10.1           | 9.5            |                |                |                |                |                |                |
| 24.0  | 43.3                             | 55.7                                   | 8.3            | 8.0            |                |                |                |                |                |                |
| 26.0  | 34.7                             | 53.1                                   | 6.9            | 6.8            |                |                |                |                |                |                |
| 28.0  | 23.2                             | 49.5                                   | 5.9            | 5.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 22.7  | 65.0                             | 59.5                                   |                | 14.6           |                |                |                |                |                |                |
| 24.0  | 61.1                             | 58.8                                   | 14.4           | 13.0           |                |                |                |                |                |                |
| 26.0  | 54.9                             | 57.5                                   | 11.6           | 10.6           |                |                |                |                |                |                |
| 28.0  | 48.0                             | 55.8                                   | 9.4            | 8.9            |                |                |                |                |                |                |
| 30.0  | 40.3                             | 53.7                                   | 7.7            | 7.5            |                |                |                |                |                |                |
| 32.0  | 31.0                             | 50.8                                   | 6.6            | 6.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 32.2  | 55.0                             | 55.0                                   |                | 9.4            |                |                |                |                |                |                |
| 34.0  | 49.1                             | 53.6                                   | 9.0            | 8.4            |                |                |                |                |                |                |
| 36.0  | 41.5                             | 51.6                                   | 7.5            | 7.5            |                |                |                |                |                |                |
| 38.0  | 32.5                             | 48.9                                   | 6.5            | 6.6            |                |                |                |                |                |                |
| 40.0  | 19.9                             | 44.8                                   | 5.6            | 5.8            |                |                |                |                |                |                |



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 44.5 m Plumín<br>22.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 9.4   | 78.0                             | 62.7                                   |                | 30.1           |                |                |                |                |                |                |
| 10.0  | 76.4                             | 62.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 73.7                             | 62.3                                   | 15.1           | 29.8           |                |                |                |                |                |                |
| 12.0  | 71.0                             | 61.9                                   | 15.1           | 27.2           |                |                |                |                |                |                |
| 13.0  | 68.2                             | 61.5                                   | 15.1           | 24.5           |                |                |                |                |                |                |
| 14.0  | 65.3                             | 61.0                                   | 15.1           | 21.1           |                |                |                |                |                |                |
| 16.0  | 59.3                             | 59.9                                   | 14.8           | 16.5           |                |                |                |                |                |                |
| 18.0  | 52.9                             | 58.5                                   | 14.1           | 13.4           |                |                |                |                |                |                |
| 20.0  | 45.9                             | 56.7                                   | 12.2           | 11.2           |                |                |                |                |                |                |
| 22.0  | 37.8                             | 54.4                                   | 9.7            | 9.3            |                |                |                |                |                |                |
| 24.0  | 27.6                             | 51.3                                   | 8.1            | 7.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.6  | 73.0                             | 61.8                                   |                | 30.1           |                |                |                |                |                |                |
| 16.0  | 69.2                             | 61.3                                   | 15.1           | 25.7           |                |                |                |                |                |                |
| 18.0  | 63.4                             | 60.4                                   | 15.1           | 19.3           |                |                |                |                |                |                |
| 20.0  | 57.3                             | 59.2                                   | 14.3           | 15.4           |                |                |                |                |                |                |
| 22.0  | 50.8                             | 57.7                                   | 13.4           | 12.7           |                |                |                |                |                |                |
| 24.0  | 43.4                             | 55.7                                   | 10.8           | 10.5           |                |                |                |                |                |                |
| 26.0  | 34.8                             | 53.2                                   | 8.8            | 8.9            |                |                |                |                |                |                |
| 28.0  | 23.5                             | 49.6                                   | 7.4            | 7.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 22.7  | 65.0                             | 59.5                                   |                | 16.7           |                |                |                |                |                |                |
| 24.0  | 61.3                             | 58.8                                   | 15.1           | 15.1           |                |                |                |                |                |                |
| 26.0  | 55.0                             | 57.5                                   | 13.7           | 13.1           |                |                |                |                |                |                |
| 28.0  | 48.2                             | 55.9                                   | 11.5           | 11.3           |                |                |                |                |                |                |
| 30.0  | 40.5                             | 53.7                                   | 9.4            | 9.8            |                |                |                |                |                |                |
| 32.0  | 31.2                             | 50.9                                   | 8.0            | 8.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 32.3  | 55.0                             | 55.0                                   |                | 6.8            |                |                |                |                |                |                |
| 34.0  | 49.2                             | 53.7                                   | 7.2            | 5.9            |                |                |                |                |                |                |
| 36.0  | 41.7                             | 51.6                                   | 6.1            | 5.0            |                |                |                |                |                |                |
| 38.0  | 32.7                             | 48.9                                   | 5.2            | 4.1            |                |                |                |                |                |                |
| 40.0  | 20.1                             | 44.9                                   | 4.3            | 3.4            |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 44.5 m Plumín<br>25.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.0  | 78.0                             | 65.6                                   | 15.1           | 27.8           |                |                |                |                |                |                |
| 11.0  | 75.6                             | 65.4                                   | 15.1           | 24.5           |                |                |                |                |                |                |
| 12.0  | 73.2                             | 65.1                                   | 15.1           | 20.8           |                |                |                |                |                |                |
| 13.0  | 70.8                             | 64.7                                   | 15.1           | 17.9           |                |                |                |                |                |                |
| 14.0  | 68.3                             | 64.3                                   | 14.9           | 15.8           |                |                |                |                |                |                |
| 16.0  | 63.2                             | 63.4                                   | 13.6           | 12.6           |                |                |                |                |                |                |
| 18.0  | 57.9                             | 62.2                                   | 11.3           | 10.4           |                |                |                |                |                |                |
| 20.0  | 52.2                             | 60.7                                   | 9.0            | 8.7            |                |                |                |                |                |                |
| 22.0  | 46.0                             | 58.9                                   | 7.6            | 7.5            |                |                |                |                |                |                |
| 24.0  | 39.0                             | 56.7                                   | 6.4            | 6.4            |                |                |                |                |                |                |
| 26.0  | 30.7                             | 53.8                                   | 5.6            | 5.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 15.5  | 73.0                             | 64.7                                   | 15.1           | 19.4           |                |                |                |                |                |                |
| 16.0  | 71.7                             | 64.5                                   | 15.1           | 18.8           |                |                |                |                |                |                |
| 18.0  | 66.7                             | 63.7                                   | 14.7           | 14.6           |                |                |                |                |                |                |
| 20.0  | 61.6                             | 62.7                                   | 13.3           | 11.9           |                |                |                |                |                |                |
| 22.0  | 56.1                             | 61.4                                   | 10.5           | 9.8            |                |                |                |                |                |                |
| 24.0  | 50.3                             | 59.9                                   | 8.6            | 8.3            |                |                |                |                |                |                |
| 26.0  | 43.9                             | 57.9                                   | 7.2            | 7.1            |                |                |                |                |                |                |
| 28.0  | 36.6                             | 55.5                                   | 6.2            | 6.2            |                |                |                |                |                |                |
| 30.0  | 27.5                             | 52.3                                   | 5.4            | 5.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 24.0  | 65.0                             | 62.2                                   | 14.6           | 13.0           |                |                |                |                |                |                |
| 26.0  | 59.6                             | 61.1                                   | 12.0           | 11.0           |                |                |                |                |                |                |
| 28.0  | 54.1                             | 59.7                                   | 9.6            | 9.2            |                |                |                |                |                |                |
| 30.0  | 48.1                             | 58.1                                   | 8.0            | 7.9            |                |                |                |                |                |                |
| 32.0  | 41.4                             | 56.0                                   | 6.8            | 6.7            |                |                |                |                |                |                |
| 34.0  | 33.6                             | 53.3                                   | 5.9            | 5.9            |                |                |                |                |                |                |
| 36.0  | 23.4                             | 49.6                                   | 5.1            | 5.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 34.0  | 55.0                             | 57.4                                   |                | 8.5            |                |                |                |                |                |                |
| 36.0  | 49.0                             | 55.9                                   | 8.2            | 7.6            |                |                |                |                |                |                |
| 38.0  | 42.4                             | 53.9                                   | 6.9            | 6.7            |                |                |                |                |                |                |
| 40.0  | 34.8                             | 51.3                                   | 6.0            | 6.0            |                |                |                |                |                |                |
| 42.0  | 25.1                             | 47.8                                   | 5.3            | 5.3            |                |                |                |                |                |                |
| 43.0  | 18.5                             | 45.3                                   | 4.9            | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 47.5 m Plumín<br>25.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.0  | 78.0                             | 65.6                                   |                | 30.1           |                |                |                |                |                |                |
| 11.0  | 75.7                             | 65.4                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 73.4                             | 65.1                                   | 15.1           | 28.8           |                |                |                |                |                |                |
| 13.0  | 70.9                             | 64.7                                   | 15.1           | 24.8           |                |                |                |                |                |                |
| 14.0  | 68.5                             | 64.3                                   | 15.1           | 21.9           |                |                |                |                |                |                |
| 16.0  | 63.4                             | 63.4                                   | 15.1           | 17.0           |                |                |                |                |                |                |
| 18.0  | 58.1                             | 62.2                                   | 13.3           | 13.9           |                |                |                |                |                |                |
| 20.0  | 52.4                             | 60.8                                   | 11.0           | 11.6           |                |                |                |                |                |                |
| 22.0  | 46.2                             | 59.0                                   | 9.3            | 9.8            |                |                |                |                |                |                |
| 24.0  | 39.2                             | 56.8                                   | 7.7            | 8.2            |                |                |                |                |                |                |
| 26.0  | 30.9                             | 53.8                                   | 6.6            | 7.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 15.5  | 73.0                             | 64.7                                   |                | 27.0           |                |                |                |                |                |                |
| 16.0  | 71.8                             | 64.5                                   | 15.1           | 26.5           |                |                |                |                |                |                |
| 18.0  | 66.9                             | 63.7                                   | 15.1           | 20.1           |                |                |                |                |                |                |
| 20.0  | 61.7                             | 62.7                                   | 15.1           | 16.0           |                |                |                |                |                |                |
| 22.0  | 56.3                             | 61.4                                   | 12.9           | 13.0           |                |                |                |                |                |                |
| 24.0  | 50.5                             | 59.9                                   | 11.2           | 11.0           |                |                |                |                |                |                |
| 26.0  | 44.1                             | 58.0                                   | 9.3            | 9.3            |                |                |                |                |                |                |
| 28.0  | 36.7                             | 55.6                                   | 7.7            | 7.9            |                |                |                |                |                |                |
| 30.0  | 27.7                             | 52.3                                   | 6.6            | 6.8            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 24.0  | 65.0                             | 62.2                                   |                | 15.1           |                |                |                |                |                |                |
| 26.0  | 59.8                             | 61.1                                   | 15.1           | 13.1           |                |                |                |                |                |                |
| 28.0  | 54.2                             | 59.8                                   | 12.7           | 11.4           |                |                |                |                |                |                |
| 30.0  | 48.2                             | 58.1                                   | 10.5           | 9.9            |                |                |                |                |                |                |
| 32.0  | 41.5                             | 56.0                                   | 8.7            | 8.6            |                |                |                |                |                |                |
| 34.0  | 33.7                             | 53.4                                   | 7.4            | 7.5            |                |                |                |                |                |                |
| 36.0  | 23.6                             | 49.7                                   | 6.3            | 6.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 34.0  | 55.0                             | 57.4                                   |                | 5.8            |                |                |                |                |                |                |
| 36.0  | 49.1                             | 55.9                                   | 5.8            | 4.9            |                |                |                |                |                |                |
| 38.0  | 42.5                             | 53.9                                   | 4.9            | 4.1            |                |                |                |                |                |                |
| 40.0  | 34.9                             | 51.3                                   | 4.1            | 3.3            |                |                |                |                |                |                |
| 42.0  | 25.3                             | 47.8                                   | 3.4            | 2.7            |                |                |                |                |                |                |
| 43.0  | 18.7                             | 45.4                                   | 3.0            | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 47.5 m Plumín<br>28.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.6  | 78.0                             | 68.5                                   |                | 30.1           |                |                |                |                |                |                |
| 11.0  | 77.2                             | 68.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 75.1                             | 68.2                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 13.0  | 72.9                             | 67.9                                   | 15.1           | 28.5           |                |                |                |                |                |                |
| 14.0  | 70.8                             | 67.5                                   | 15.1           | 25.4           |                |                |                |                |                |                |
| 16.0  | 66.3                             | 66.7                                   | 15.1           | 20.8           |                |                |                |                |                |                |
| 18.0  | 61.7                             | 65.7                                   | 15.1           | 17.5           |                |                |                |                |                |                |
| 20.0  | 56.9                             | 64.5                                   | 14.4           | 15.0           |                |                |                |                |                |                |
| 22.0  | 51.8                             | 63.0                                   | 13.8           | 13.1           |                |                |                |                |                |                |
| 24.0  | 46.3                             | 61.2                                   | 12.4           | 11.7           |                |                |                |                |                |                |
| 26.0  | 40.1                             | 59.0                                   | 10.8           | 10.5           |                |                |                |                |                |                |
| 28.0  | 33.0                             | 56.3                                   | 9.6            | 9.5            |                |                |                |                |                |                |
| 30.0  | 24.1                             | 52.5                                   | 8.6            | 8.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 16.3  | 73.0                             | 67.5                                   |                | 27.4           |                |                |                |                |                |                |
| 18.0  | 69.4                             | 66.9                                   | 15.1           | 23.8           |                |                |                |                |                |                |
| 20.0  | 64.9                             | 66.1                                   | 15.1           | 19.5           |                |                |                |                |                |                |
| 22.0  | 60.2                             | 65.0                                   | 14.9           | 16.6           |                |                |                |                |                |                |
| 24.0  | 55.3                             | 63.7                                   | 13.9           | 14.3           |                |                |                |                |                |                |
| 26.0  | 50.1                             | 62.1                                   | 13.0           | 12.7           |                |                |                |                |                |                |
| 28.0  | 44.4                             | 60.2                                   | 11.4           | 11.3           |                |                |                |                |                |                |
| 30.0  | 38.0                             | 57.9                                   | 10.0           | 10.1           |                |                |                |                |                |                |
| 32.0  | 30.4                             | 54.9                                   | 9.0            | 9.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 25.2  | 65.0                             | 64.9                                   |                | 16.5           |                |                |                |                |                |                |
| 26.0  | 63.2                             | 64.5                                   | 15.1           | 15.7           |                |                |                |                |                |                |
| 28.0  | 58.5                             | 63.4                                   | 15.1           | 14.0           |                |                |                |                |                |                |
| 30.0  | 53.5                             | 62.0                                   | 14.0           | 12.6           |                |                |                |                |                |                |
| 32.0  | 48.1                             | 60.3                                   | 12.9           | 11.3           |                |                |                |                |                |                |
| 34.0  | 42.2                             | 58.3                                   | 11.2           | 10.2           |                |                |                |                |                |                |
| 36.0  | 35.4                             | 55.7                                   | 9.9            | 9.2            |                |                |                |                |                |                |
| 38.0  | 27.2                             | 52.4                                   | 9.0            | 8.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 35.7  | 55.0                             | 59.9                                   |                | 7.6            |                |                |                |                |                |                |
| 36.0  | 54.2                             | 59.7                                   | 8.5            | 7.4            |                |                |                |                |                |                |
| 38.0  | 48.9                             | 58.1                                   | 7.7            | 6.6            |                |                |                |                |                |                |
| 40.0  | 43.0                             | 56.1                                   | 6.9            | 5.9            |                |                |                |                |                |                |
| 42.0  | 36.5                             | 53.7                                   | 6.2            | 5.2            |                |                |                |                |                |                |
| 44.0  | 28.5                             | 50.5                                   | 5.5            | 4.7            |                |                |                |                |                |                |
| 46.0  | 17.4                             | 45.8                                   | 4.9            | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 50.5 m Plumín<br>19.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 8.7   | 78.0                             | 59.7                                   |                | 30.1           |                |                |                |                |                |                |
| 9.0   | 77.2                             | 59.7                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 74.1                             | 59.4                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 70.9                             | 59.0                                   | 15.1           | 27.7           |                |                |                |                |                |                |
| 12.0  | 67.6                             | 58.6                                   | 15.1           | 24.8           |                |                |                |                |                |                |
| 13.0  | 64.3                             | 58.2                                   | 15.1           | 21.1           |                |                |                |                |                |                |
| 14.0  | 60.8                             | 57.6                                   | 15.1           | 18.4           |                |                |                |                |                |                |
| 16.0  | 53.5                             | 56.2                                   | 15.0           | 14.4           |                |                |                |                |                |                |
| 18.0  | 45.3                             | 54.5                                   | 13.2           | 11.7           |                |                |                |                |                |                |
| 20.0  | 35.6                             | 52.0                                   | 10.3           | 9.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.7  | 73.0                             | 58.9                                   |                | 30.1           |                |                |                |                |                |                |
| 14.0  | 72.0                             | 58.8                                   | 15.1           | 30.0           |                |                |                |                |                |                |
| 16.0  | 65.5                             | 58.0                                   | 15.1           | 22.2           |                |                |                |                |                |                |
| 18.0  | 58.5                             | 56.9                                   | 15.1           | 17.0           |                |                |                |                |                |                |
| 20.0  | 51.0                             | 55.4                                   | 15.1           | 13.5           |                |                |                |                |                |                |
| 22.0  | 42.4                             | 53.4                                   | 12.1           | 11.0           |                |                |                |                |                |                |
| 24.0  | 31.9                             | 50.7                                   | 9.8            | 9.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 21.4  | 65.0                             | 56.7                                   |                | 17.3           |                |                |                |                |                |                |
| 22.0  | 63.0                             | 56.5                                   | 15.1           | 16.4           |                |                |                |                |                |                |
| 24.0  | 55.9                             | 55.2                                   | 15.0           | 13.8           |                |                |                |                |                |                |
| 26.0  | 48.0                             | 53.6                                   | 14.2           | 11.7           |                |                |                |                |                |                |
| 28.0  | 38.9                             | 51.4                                   | 11.2           | 10.0           |                |                |                |                |                |                |
| 30.0  | 27.2                             | 48.3                                   | 9.2            | 8.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 30.5  | 55.0                             | 52.5                                   |                | 7.7            |                |                |                |                |                |                |
| 32.0  | 49.2                             | 51.4                                   | 8.9            | 6.8            |                |                |                |                |                |                |
| 34.0  | 40.3                             | 49.3                                   | 7.7            | 5.7            |                |                |                |                |                |                |
| 36.0  | 29.2                             | 46.3                                   | 6.5            | 4.7            |                |                |                |                |                |                |
| 37.0  | 21.6                             | 44.2                                   | 6.0            | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 50.5 m Plumín<br>28.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.7  | 78.0                             | 68.6                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 77.3                             | 68.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 75.2                             | 68.2                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 13.0  | 73.1                             | 67.9                                   | 15.1           | 29.8           |                |                |                |                |                |                |
| 14.0  | 70.9                             | 67.6                                   | 15.1           | 29.0           |                |                |                |                |                |                |
| 16.0  | 66.5                             | 66.7                                   | 15.1           | 24.7           |                |                |                |                |                |                |
| 18.0  | 61.9                             | 65.7                                   | 15.1           | 20.4           |                |                |                |                |                |                |
| 20.0  | 57.0                             | 64.5                                   | 15.1           | 17.3           |                |                |                |                |                |                |
| 22.0  | 51.9                             | 63.0                                   | 15.1           | 14.9           |                |                |                |                |                |                |
| 24.0  | 46.4                             | 61.2                                   | 13.7           | 13.1           |                |                |                |                |                |                |
| 26.0  | 40.3                             | 59.1                                   | 11.9           | 11.5           |                |                |                |                |                |                |
| 28.0  | 33.2                             | 56.3                                   | 10.4           | 10.2           |                |                |                |                |                |                |
| 30.0  | 24.2                             | 52.6                                   | 9.2            | 9.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 16.4  | 73.0                             | 67.5                                   | 15.1           | 29.4           |                |                |                |                |                |                |
| 18.0  | 69.5                             | 67.0                                   | 15.1           | 25.7           |                |                |                |                |                |                |
| 20.0  | 65.0                             | 66.1                                   | 15.1           | 22.1           |                |                |                |                |                |                |
| 22.0  | 60.3                             | 65.0                                   | 15.1           | 19.2           |                |                |                |                |                |                |
| 24.0  | 55.4                             | 63.7                                   | 15.1           | 16.4           |                |                |                |                |                |                |
| 26.0  | 50.2                             | 62.1                                   | 14.8           | 14.3           |                |                |                |                |                |                |
| 28.0  | 44.5                             | 60.2                                   | 13.0           | 12.5           |                |                |                |                |                |                |
| 30.0  | 38.1                             | 57.9                                   | 11.4           | 11.1           |                |                |                |                |                |                |
| 32.0  | 30.6                             | 54.9                                   | 10.2           | 10.0           |                |                |                |                |                |                |
| 34.0  | 20.6                             | 50.7                                   | 8.9            | 8.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 25.3  | 65.0                             | 64.9                                   |                | 13.8           |                |                |                |                |                |                |
| 26.0  | 63.3                             | 64.6                                   | 15.1           | 13.1           |                |                |                |                |                |                |
| 28.0  | 58.6                             | 63.4                                   | 13.6           | 11.4           |                |                |                |                |                |                |
| 30.0  | 53.6                             | 62.0                                   | 12.0           | 10.0           |                |                |                |                |                |                |
| 32.0  | 48.2                             | 60.3                                   | 10.6           | 8.7            |                |                |                |                |                |                |
| 34.0  | 42.3                             | 58.3                                   | 9.4            | 7.6            |                |                |                |                |                |                |
| 36.0  | 35.6                             | 55.8                                   | 8.3            | 6.6            |                |                |                |                |                |                |
| 38.0  | 27.4                             | 52.4                                   | 7.3            | 5.8            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 35.7  | 55.0                             | 59.9                                   |                | 4.9            |                |                |                |                |                |                |
| 36.0  | 54.3                             | 59.8                                   | 5.7            | 4.8            |                |                |                |                |                |                |
| 38.0  | 49.0                             | 58.1                                   | 4.8            | 4.0            |                |                |                |                |                |                |
| 40.0  | 43.2                             | 56.2                                   | 4.0            | 3.3            |                |                |                |                |                |                |
| 42.0  | 36.6                             | 53.7                                   | 3.3            | 2.7            |                |                |                |                |                |                |
| 44.0  | 28.7                             | 50.5                                   | 2.6            | 2.1            |                |                |                |                |                |                |
| 45.0  | 25.0                             | 48.5                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 53.5 m Plumín<br>22.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 9.4   | 78.0                             | 62.7                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 76.3                             | 62.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 73.6                             | 62.2                                   | 15.1           | 27.7           |                |                |                |                |                |                |
| 12.0  | 70.8                             | 61.9                                   | 15.1           | 23.1           |                |                |                |                |                |                |
| 13.0  | 68.0                             | 61.5                                   | 15.1           | 20.0           |                |                |                |                |                |                |
| 14.0  | 65.2                             | 61.0                                   | 15.1           | 17.4           |                |                |                |                |                |                |
| 16.0  | 59.2                             | 59.9                                   | 14.3           | 13.7           |                |                |                |                |                |                |
| 18.0  | 52.8                             | 58.5                                   | 11.8           | 11.0           |                |                |                |                |                |                |
| 20.0  | 45.7                             | 56.7                                   | 9.7            | 9.1            |                |                |                |                |                |                |
| 22.0  | 37.6                             | 54.4                                   | 7.8            | 7.6            |                |                |                |                |                |                |
| 24.0  | 27.4                             | 51.2                                   | 6.5            | 6.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.6  | 73.0                             | 61.8                                   | 15.1           | 24.4           |                |                |                |                |                |                |
| 16.0  | 69.0                             | 61.3                                   | 15.1           | 20.9           |                |                |                |                |                |                |
| 18.0  | 63.3                             | 60.3                                   | 15.1           | 16.0           |                |                |                |                |                |                |
| 20.0  | 57.2                             | 59.1                                   | 13.4           | 12.7           |                |                |                |                |                |                |
| 22.0  | 50.6                             | 57.6                                   | 11.3           | 10.4           |                |                |                |                |                |                |
| 24.0  | 43.3                             | 55.7                                   | 9.1            | 8.6            |                |                |                |                |                |                |
| 26.0  | 34.7                             | 53.1                                   | 7.4            | 7.3            |                |                |                |                |                |                |
| 28.0  | 23.2                             | 49.5                                   | 6.3            | 6.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 22.7  | 65.0                             | 59.5                                   |                | 15.8           |                |                |                |                |                |                |
| 24.0  | 61.1                             | 58.8                                   | 15.1           | 14.2           |                |                |                |                |                |                |
| 26.0  | 54.9                             | 57.5                                   | 13.1           | 11.8           |                |                |                |                |                |                |
| 28.0  | 48.0                             | 55.8                                   | 10.5           | 9.8            |                |                |                |                |                |                |
| 30.0  | 40.3                             | 53.7                                   | 8.4            | 8.1            |                |                |                |                |                |                |
| 32.0  | 31.0                             | 50.8                                   | 7.1            | 7.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 32.2  | 55.0                             | 55.0                                   |                | 6.8            |                |                |                |                |                |                |
| 34.0  | 49.1                             | 53.6                                   | 7.6            | 5.8            |                |                |                |                |                |                |
| 36.0  | 41.5                             | 51.6                                   | 6.5            | 4.9            |                |                |                |                |                |                |
| 38.0  | 32.5                             | 48.9                                   | 5.5            | 4.1            |                |                |                |                |                |                |
| 40.0  | 19.9                             | 44.8                                   | 4.6            | 3.3            |                |                |                |                |                |                |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 53.5 m Plumín<br>31.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.3  | 78.0                             | 71.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 76.7                             | 71.3                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 13.0  | 74.7                             | 71.1                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 14.0  | 72.8                             | 70.7                                   | 15.1           | 28.4           |                |                |                |                |                |                |
| 16.0  | 68.9                             | 70.0                                   | 15.1           | 23.7           |                |                |                |                |                |                |
| 18.0  | 64.8                             | 69.1                                   | 15.1           | 19.4           |                |                |                |                |                |                |
| 20.0  | 60.6                             | 68.0                                   | 14.9           | 16.4           |                |                |                |                |                |                |
| 22.0  | 56.2                             | 66.8                                   | 13.7           | 14.1           |                |                |                |                |                |                |
| 24.0  | 51.6                             | 65.3                                   | 12.8           | 12.3           |                |                |                |                |                |                |
| 26.0  | 46.6                             | 63.5                                   | 11.3           | 10.9           |                |                |                |                |                |                |
| 28.0  | 41.1                             | 61.3                                   | 9.7            | 9.6            |                |                |                |                |                |                |
| 30.0  | 34.9                             | 58.7                                   | 8.4            | 8.5            |                |                |                |                |                |                |
| 32.0  | 27.5                             | 55.4                                   | 7.5            | 7.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 17.3  | 73.0                             | 70.4                                   | 15.1           | 27.2           |                |                |                |                |                |                |
| 18.0  | 71.6                             | 70.2                                   | 15.1           | 25.6           |                |                |                |                |                |                |
| 20.0  | 67.6                             | 69.4                                   | 15.1           | 22.1           |                |                |                |                |                |                |
| 22.0  | 63.5                             | 68.4                                   | 15.1           | 18.3           |                |                |                |                |                |                |
| 24.0  | 59.2                             | 67.3                                   | 14.5           | 15.6           |                |                |                |                |                |                |
| 26.0  | 54.8                             | 66.0                                   | 13.5           | 13.5           |                |                |                |                |                |                |
| 28.0  | 50.0                             | 64.4                                   | 12.6           | 11.9           |                |                |                |                |                |                |
| 30.0  | 44.9                             | 62.5                                   | 10.8           | 10.5           |                |                |                |                |                |                |
| 32.0  | 39.2                             | 60.2                                   | 9.3            | 9.2            |                |                |                |                |                |                |
| 34.0  | 32.7                             | 57.4                                   | 8.2            | 8.3            |                |                |                |                |                |                |
| 36.0  | 24.7                             | 53.7                                   | 7.3            | 7.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 26.5  | 65.0                             | 67.6                                   |                | 12.4           |                |                |                |                |                |                |
| 28.0  | 62.0                             | 66.9                                   | 13.2           | 11.2           |                |                |                |                |                |                |
| 30.0  | 57.6                             | 65.7                                   | 11.6           | 9.8            |                |                |                |                |                |                |
| 32.0  | 53.1                             | 64.3                                   | 10.3           | 8.6            |                |                |                |                |                |                |
| 34.0  | 48.2                             | 62.6                                   | 9.1            | 7.5            |                |                |                |                |                |                |
| 36.0  | 42.9                             | 60.6                                   | 8.0            | 6.6            |                |                |                |                |                |                |
| 38.0  | 37.0                             | 58.1                                   | 7.0            | 5.7            |                |                |                |                |                |                |
| 40.0  | 30.1                             | 55.0                                   | 6.1            | 4.9            |                |                |                |                |                |                |
| 42.0  | 21.0                             | 50.8                                   | 5.3            | 4.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 37.5  | 55.0                             | 62.3                                   |                | 4.0            |                |                |                |                |                |                |
| 38.0  | 53.7                             | 62.0                                   | 4.4            | 3.8            |                |                |                |                |                |                |
| 40.0  | 48.9                             | 60.4                                   | 3.7            | 3.1            |                |                |                |                |                |                |
| 42.0  | 43.7                             | 58.4                                   | 3.0            | 2.5            |                |                |                |                |                |                |
| 44.0  | 38.5                             | 56.0                                   | 2.3            |                |                |                |                |                |                |                |
| 45.0  | 35.3                             | 54.7                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 56.5 m Plumín<br>22.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 9.4   | 78.0                             | 62.7                                   |                | 30.1           |                |                |                |                |                |                |
| 10.0  | 76.4                             | 62.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 73.7                             | 62.3                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 71.0                             | 61.9                                   | 15.1           | 28.5           |                |                |                |                |                |                |
| 13.0  | 68.2                             | 61.5                                   | 15.1           | 26.6           |                |                |                |                |                |                |
| 14.0  | 65.3                             | 61.0                                   | 15.1           | 22.9           |                |                |                |                |                |                |
| 16.0  | 59.3                             | 59.9                                   | 15.1           | 17.9           |                |                |                |                |                |                |
| 18.0  | 52.9                             | 58.5                                   | 14.9           | 14.5           |                |                |                |                |                |                |
| 20.0  | 45.9                             | 56.7                                   | 13.2           | 12.0           |                |                |                |                |                |                |
| 22.0  | 37.8                             | 54.4                                   | 10.5           | 9.9            |                |                |                |                |                |                |
| 24.0  | 27.6                             | 51.3                                   | 8.6            | 8.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.6  | 73.0                             | 61.8                                   |                | 28.7           |                |                |                |                |                |                |
| 16.0  | 69.2                             | 61.3                                   | 15.1           | 24.7           |                |                |                |                |                |                |
| 18.0  | 63.4                             | 60.4                                   | 15.1           | 20.1           |                |                |                |                |                |                |
| 20.0  | 57.3                             | 59.2                                   | 15.1           | 16.5           |                |                |                |                |                |                |
| 22.0  | 50.8                             | 57.7                                   | 15.1           | 13.7           |                |                |                |                |                |                |
| 24.0  | 43.4                             | 55.7                                   | 12.3           | 11.3           |                |                |                |                |                |                |
| 26.0  | 34.8                             | 53.2                                   | 9.9            | 9.5            |                |                |                |                |                |                |
| 28.0  | 23.5                             | 49.6                                   | 8.2            | 8.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 22.7  | 65.0                             | 59.5                                   |                | 12.8           |                |                |                |                |                |                |
| 24.0  | 61.3                             | 58.8                                   | 14.9           | 11.2           |                |                |                |                |                |                |
| 26.0  | 55.0                             | 57.5                                   | 12.6           | 9.2            |                |                |                |                |                |                |
| 28.0  | 48.2                             | 55.9                                   | 10.5           | 7.5            |                |                |                |                |                |                |
| 30.0  | 40.5                             | 53.7                                   | 8.8            | 6.1            |                |                |                |                |                |                |
| 32.0  | 31.2                             | 50.9                                   | 7.2            | 4.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 32.3  | 55.0                             | 55.0                                   |                | 3.8            |                |                |                |                |                |                |
| 34.0  | 49.2                             | 53.7                                   | 3.9            | 2.9            |                |                |                |                |                |                |
| 36.0  | 42.4                             | 51.6                                   | 2.7            |                |                |                |                |                |                |                |
| 37.0  | 38.3                             | 50.4                                   | 2.2            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/ Pieza de articulación de pluma principal: 2821-1  
 Radio de descarga: 360 ° Cabeza de pluma principal: 2821-1  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 56.5 m Plumín<br>25.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.0  | 78.0                             | 65.6                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 75.6                             | 65.4                                   | 15.1           | 27.8           |                |                |                |                |                |                |
| 12.0  | 73.2                             | 65.1                                   | 15.1           | 23.7           |                |                |                |                |                |                |
| 13.0  | 70.8                             | 64.7                                   | 15.1           | 20.3           |                |                |                |                |                |                |
| 14.0  | 68.3                             | 64.3                                   | 15.1           | 18.0           |                |                |                |                |                |                |
| 16.0  | 63.2                             | 63.4                                   | 14.6           | 14.3           |                |                |                |                |                |                |
| 18.0  | 57.9                             | 62.2                                   | 12.7           | 11.9           |                |                |                |                |                |                |
| 20.0  | 52.2                             | 60.7                                   | 10.4           | 10.0           |                |                |                |                |                |                |
| 22.0  | 46.0                             | 58.9                                   | 8.8            | 8.6            |                |                |                |                |                |                |
| 24.0  | 39.0                             | 56.7                                   | 7.4            | 7.4            |                |                |                |                |                |                |
| 26.0  | 30.7                             | 53.8                                   | 6.4            | 6.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 15.5  | 73.0                             | 64.7                                   | 15.1           | 21.5           |                |                |                |                |                |                |
| 16.0  | 71.7                             | 64.5                                   | 15.1           | 21.5           |                |                |                |                |                |                |
| 18.0  | 66.7                             | 63.7                                   | 15.0           | 16.6           |                |                |                |                |                |                |
| 20.0  | 61.6                             | 62.7                                   | 14.4           | 13.5           |                |                |                |                |                |                |
| 22.0  | 56.1                             | 61.4                                   | 11.9           | 11.2           |                |                |                |                |                |                |
| 24.0  | 50.3                             | 59.9                                   | 10.0           | 9.6            |                |                |                |                |                |                |
| 26.0  | 43.9                             | 57.9                                   | 8.4            | 8.2            |                |                |                |                |                |                |
| 28.0  | 36.6                             | 55.5                                   | 7.1            | 7.1            |                |                |                |                |                |                |
| 30.0  | 27.5                             | 52.3                                   | 6.2            | 6.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 24.0  | 65.0                             | 62.2                                   | 15.1           | 14.6           |                |                |                |                |                |                |
| 26.0  | 59.6                             | 61.1                                   | 13.4           | 12.5           |                |                |                |                |                |                |
| 28.0  | 54.1                             | 59.7                                   | 11.0           | 10.5           |                |                |                |                |                |                |
| 30.0  | 48.1                             | 58.1                                   | 9.3            | 9.1            |                |                |                |                |                |                |
| 32.0  | 41.4                             | 56.0                                   | 7.9            | 7.7            |                |                |                |                |                |                |
| 34.0  | 33.6                             | 53.3                                   | 6.8            | 6.8            |                |                |                |                |                |                |
| 36.0  | 23.4                             | 49.6                                   | 6.0            | 5.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 34.0  | 55.0                             | 57.4                                   |                | 6.1            |                |                |                |                |                |                |
| 36.0  | 49.0                             | 55.9                                   | 6.5            | 5.1            |                |                |                |                |                |                |
| 38.0  | 42.4                             | 53.9                                   | 5.6            | 4.3            |                |                |                |                |                |                |
| 40.0  | 34.8                             | 51.3                                   | 4.7            | 3.6            |                |                |                |                |                |                |
| 42.0  | 25.1                             | 47.8                                   | 3.9            | 2.9            |                |                |                |                |                |                |
| 43.0  | 18.5                             | 45.3                                   | 3.6            | 2.6            |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 59.5 m Plumín<br>25.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.0  | 78.0                             | 65.6                                   |                | 30.1           |                |                |                |                |                |                |
| 11.0  | 75.7                             | 65.4                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 73.4                             | 65.1                                   | 15.1           | 29.8           |                |                |                |                |                |                |
| 13.0  | 70.9                             | 64.7                                   | 15.1           | 26.3           |                |                |                |                |                |                |
| 14.0  | 68.5                             | 64.3                                   | 15.1           | 23.7           |                |                |                |                |                |                |
| 16.0  | 63.4                             | 63.4                                   | 15.1           | 18.4           |                |                |                |                |                |                |
| 18.0  | 58.1                             | 62.2                                   | 14.2           | 15.0           |                |                |                |                |                |                |
| 20.0  | 52.4                             | 60.8                                   | 12.8           | 12.4           |                |                |                |                |                |                |
| 22.0  | 46.2                             | 59.0                                   | 11.1           | 10.5           |                |                |                |                |                |                |
| 24.0  | 39.2                             | 56.8                                   | 9.1            | 8.8            |                |                |                |                |                |                |
| 26.0  | 30.9                             | 53.8                                   | 7.5            | 7.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 15.5  | 73.0                             | 64.7                                   |                | 26.5           |                |                |                |                |                |                |
| 16.0  | 71.8                             | 64.5                                   | 15.1           | 25.1           |                |                |                |                |                |                |
| 18.0  | 66.9                             | 63.7                                   | 15.1           | 20.6           |                |                |                |                |                |                |
| 20.0  | 61.7                             | 62.7                                   | 15.1           | 17.1           |                |                |                |                |                |                |
| 22.0  | 56.3                             | 61.4                                   | 13.6           | 14.1           |                |                |                |                |                |                |
| 24.0  | 50.5                             | 59.9                                   | 12.2           | 11.8           |                |                |                |                |                |                |
| 26.0  | 44.1                             | 58.0                                   | 10.1           | 10.0           |                |                |                |                |                |                |
| 28.0  | 36.7                             | 55.6                                   | 8.3            | 8.5            |                |                |                |                |                |                |
| 30.0  | 27.7                             | 52.3                                   | 7.1            | 7.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 24.0  | 65.0                             | 62.2                                   |                | 11.4           |                |                |                |                |                |                |
| 26.0  | 59.8                             | 61.1                                   | 12.4           | 9.4            |                |                |                |                |                |                |
| 28.0  | 54.2                             | 59.8                                   | 10.4           | 7.7            |                |                |                |                |                |                |
| 30.0  | 48.2                             | 58.1                                   | 8.7            | 6.3            |                |                |                |                |                |                |
| 32.0  | 41.5                             | 56.0                                   | 7.2            | 5.1            |                |                |                |                |                |                |
| 34.0  | 33.7                             | 53.4                                   | 5.9            | 4.1            |                |                |                |                |                |                |
| 36.0  | 23.6                             | 49.7                                   | 4.6            | 3.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 34.0  | 55.0                             | 57.4                                   |                | 2.8            |                |                |                |                |                |                |
| 36.0  | 49.6                             | 55.9                                   | 2.6            |                |                |                |                |                |                |                |
| 37.0  | 46.4                             | 55.0                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 59.5 m Plumín<br>28.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.6  | 78.0                             | 68.5                                   |                | 28.0           |                |                |                |                |                |                |
| 11.0  | 77.2                             | 68.5                                   | 15.1           | 28.0           |                |                |                |                |                |                |
| 12.0  | 75.1                             | 68.2                                   | 15.1           | 24.6           |                |                |                |                |                |                |
| 13.0  | 72.9                             | 67.9                                   | 15.1           | 21.5           |                |                |                |                |                |                |
| 14.0  | 70.8                             | 67.5                                   | 15.1           | 18.8           |                |                |                |                |                |                |
| 16.0  | 66.3                             | 66.7                                   | 14.4           | 15.1           |                |                |                |                |                |                |
| 18.0  | 61.7                             | 65.7                                   | 13.4           | 12.5           |                |                |                |                |                |                |
| 20.0  | 56.9                             | 64.5                                   | 11.0           | 10.3           |                |                |                |                |                |                |
| 22.0  | 51.8                             | 63.0                                   | 8.9            | 8.7            |                |                |                |                |                |                |
| 24.0  | 46.3                             | 61.2                                   | 7.5            | 7.5            |                |                |                |                |                |                |
| 26.0  | 40.1                             | 59.0                                   | 6.4            | 6.4            |                |                |                |                |                |                |
| 28.0  | 33.0                             | 56.3                                   | 5.5            | 5.6            |                |                |                |                |                |                |
| 30.0  | 24.1                             | 52.5                                   | 4.8            | 4.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 16.3  | 73.0                             | 67.5                                   |                | 19.9           |                |                |                |                |                |                |
| 18.0  | 69.4                             | 66.9                                   | 15.1           | 17.3           |                |                |                |                |                |                |
| 20.0  | 64.9                             | 66.1                                   | 13.9           | 14.1           |                |                |                |                |                |                |
| 22.0  | 60.2                             | 65.0                                   | 12.2           | 11.7           |                |                |                |                |                |                |
| 24.0  | 55.3                             | 63.7                                   | 9.8            | 9.7            |                |                |                |                |                |                |
| 26.0  | 50.1                             | 62.1                                   | 8.1            | 8.3            |                |                |                |                |                |                |
| 28.0  | 44.4                             | 60.2                                   | 7.0            | 7.2            |                |                |                |                |                |                |
| 30.0  | 38.0                             | 57.9                                   | 6.0            | 6.2            |                |                |                |                |                |                |
| 32.0  | 30.4                             | 54.9                                   | 5.2            | 5.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 25.2  | 65.0                             | 64.9                                   |                | 13.4           |                |                |                |                |                |                |
| 26.0  | 63.2                             | 64.5                                   | 13.9           | 12.7           |                |                |                |                |                |                |
| 28.0  | 58.5                             | 63.4                                   | 11.2           | 11.0           |                |                |                |                |                |                |
| 30.0  | 53.5                             | 62.0                                   | 9.2            | 9.2            |                |                |                |                |                |                |
| 32.0  | 48.1                             | 60.3                                   | 7.7            | 8.0            |                |                |                |                |                |                |
| 34.0  | 42.2                             | 58.3                                   | 6.6            | 6.8            |                |                |                |                |                |                |
| 36.0  | 35.4                             | 55.7                                   | 5.7            | 5.9            |                |                |                |                |                |                |
| 38.0  | 27.2                             | 52.4                                   | 5.1            | 5.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 35.7  | 55.0                             | 59.9                                   |                | 5.2            |                |                |                |                |                |                |
| 36.0  | 54.2                             | 59.7                                   | 6.4            | 5.1            |                |                |                |                |                |                |
| 38.0  | 48.9                             | 58.1                                   | 5.5            | 4.3            |                |                |                |                |                |                |
| 40.0  | 43.0                             | 56.1                                   | 4.6            | 3.6            |                |                |                |                |                |                |
| 42.0  | 36.5                             | 53.7                                   | 3.9            | 3.0            |                |                |                |                |                |                |
| 44.0  | 28.5                             | 50.5                                   | 3.2            | 2.4            |                |                |                |                |                |                |
| 46.0  | 19.1                             | 45.8                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 62.5 m Plumín<br>28.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.7  | 78.0                             | 68.6                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 77.3                             | 68.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 75.2                             | 68.2                                   | 15.1           | 28.8           |                |                |                |                |                |                |
| 13.0  | 73.1                             | 67.9                                   | 15.1           | 26.1           |                |                |                |                |                |                |
| 14.0  | 70.9                             | 67.6                                   | 15.1           | 22.6           |                |                |                |                |                |                |
| 16.0  | 66.5                             | 66.7                                   | 15.1           | 17.8           |                |                |                |                |                |                |
| 18.0  | 61.9                             | 65.7                                   | 14.9           | 14.5           |                |                |                |                |                |                |
| 20.0  | 57.0                             | 64.5                                   | 12.4           | 12.0           |                |                |                |                |                |                |
| 22.0  | 51.9                             | 63.0                                   | 10.0           | 10.0           |                |                |                |                |                |                |
| 24.0  | 46.4                             | 61.2                                   | 8.4            | 8.5            |                |                |                |                |                |                |
| 26.0  | 40.3                             | 59.1                                   | 7.0            | 7.2            |                |                |                |                |                |                |
| 28.0  | 33.2                             | 56.3                                   | 5.9            | 6.1            |                |                |                |                |                |                |
| 30.0  | 24.2                             | 52.6                                   | 5.0            | 5.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 16.4  | 73.0                             | 67.5                                   | 15.1           | 24.1           |                |                |                |                |                |                |
| 18.0  | 69.5                             | 67.0                                   | 15.1           | 20.8           |                |                |                |                |                |                |
| 20.0  | 65.0                             | 66.1                                   | 15.1           | 16.5           |                |                |                |                |                |                |
| 22.0  | 60.3                             | 65.0                                   | 14.6           | 13.7           |                |                |                |                |                |                |
| 24.0  | 55.4                             | 63.7                                   | 11.9           | 11.3           |                |                |                |                |                |                |
| 26.0  | 50.2                             | 62.1                                   | 10.0           | 9.6            |                |                |                |                |                |                |
| 28.0  | 44.5                             | 60.2                                   | 8.3            | 8.1            |                |                |                |                |                |                |
| 30.0  | 38.1                             | 57.9                                   | 6.9            | 6.9            |                |                |                |                |                |                |
| 32.0  | 30.6                             | 54.9                                   | 5.9            | 5.9            |                |                |                |                |                |                |
| 34.0  | 20.6                             | 50.7                                   | 4.9            | 5.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 25.3  | 65.0                             | 64.9                                   |                | 10.2           |                |                |                |                |                |                |
| 26.0  | 63.3                             | 64.6                                   | 12.3           | 9.6            |                |                |                |                |                |                |
| 28.0  | 58.6                             | 63.4                                   | 10.4           | 7.9            |                |                |                |                |                |                |
| 30.0  | 53.6                             | 62.0                                   | 8.7            | 6.5            |                |                |                |                |                |                |
| 32.0  | 48.2                             | 60.3                                   | 7.2            | 5.3            |                |                |                |                |                |                |
| 34.0  | 42.3                             | 58.3                                   | 5.9            | 4.3            |                |                |                |                |                |                |
| 36.0  | 35.6                             | 55.8                                   | 4.7            | 3.4            |                |                |                |                |                |                |
| 38.0  | 27.4                             | 52.4                                   | 3.7            | 2.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 35.7  | 55.0                             | 59.9                                   |                | 2.1            |                |                |                |                |                |                |
| 36.0  | 54.7                             | 59.8                                   | 2.6            |                |                |                |                |                |                |                |
| 37.0  | 52.1                             | 59.0                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 62.5 m Plumín<br>31.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.2  | 78.0                             | 71.5                                   |                | 25.5           |                |                |                |                |                |                |
| 12.0  | 76.5                             | 71.3                                   | 15.1           | 25.2           |                |                |                |                |                |                |
| 13.0  | 74.6                             | 71.0                                   | 15.1           | 21.7           |                |                |                |                |                |                |
| 14.0  | 72.7                             | 70.7                                   | 15.1           | 19.2           |                |                |                |                |                |                |
| 16.0  | 68.8                             | 70.0                                   | 15.1           | 15.5           |                |                |                |                |                |                |
| 18.0  | 64.7                             | 69.1                                   | 13.0           | 12.7           |                |                |                |                |                |                |
| 20.0  | 60.5                             | 68.0                                   | 11.5           | 10.7           |                |                |                |                |                |                |
| 22.0  | 56.1                             | 66.7                                   | 9.4            | 9.0            |                |                |                |                |                |                |
| 24.0  | 51.4                             | 65.2                                   | 7.8            | 7.7            |                |                |                |                |                |                |
| 26.0  | 46.5                             | 63.4                                   | 6.7            | 6.7            |                |                |                |                |                |                |
| 28.0  | 41.0                             | 61.3                                   | 5.7            | 5.8            |                |                |                |                |                |                |
| 30.0  | 34.8                             | 58.7                                   | 5.0            | 5.1            |                |                |                |                |                |                |
| 32.0  | 27.4                             | 55.3                                   | 4.4            | 4.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 17.2  | 73.0                             | 70.4                                   |                | 18.0           |                |                |                |                |                |                |
| 18.0  | 71.4                             | 70.1                                   | 15.1           | 17.8           |                |                |                |                |                |                |
| 20.0  | 67.5                             | 69.4                                   | 15.1           | 14.5           |                |                |                |                |                |                |
| 22.0  | 63.4                             | 68.4                                   | 12.6           | 11.9           |                |                |                |                |                |                |
| 24.0  | 59.1                             | 67.3                                   | 10.7           | 10.1           |                |                |                |                |                |                |
| 26.0  | 54.6                             | 65.9                                   | 8.8            | 8.6            |                |                |                |                |                |                |
| 28.0  | 49.9                             | 64.3                                   | 7.4            | 7.4            |                |                |                |                |                |                |
| 30.0  | 44.8                             | 62.4                                   | 6.4            | 6.4            |                |                |                |                |                |                |
| 32.0  | 39.1                             | 60.2                                   | 5.6            | 5.6            |                |                |                |                |                |                |
| 34.0  | 32.6                             | 57.3                                   | 4.9            | 4.9            |                |                |                |                |                |                |
| 36.0  | 24.5                             | 53.6                                   | 4.3            | 4.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 26.5  | 65.0                             | 67.6                                   |                | 12.1           |                |                |                |                |                |                |
| 28.0  | 61.9                             | 66.9                                   | 12.2           | 11.2           |                |                |                |                |                |                |
| 30.0  | 57.5                             | 65.7                                   | 10.0           | 9.6            |                |                |                |                |                |                |
| 32.0  | 53.0                             | 64.2                                   | 8.3            | 8.1            |                |                |                |                |                |                |
| 34.0  | 48.1                             | 62.5                                   | 7.1            | 7.1            |                |                |                |                |                |                |
| 36.0  | 42.8                             | 60.5                                   | 6.1            | 6.2            |                |                |                |                |                |                |
| 38.0  | 36.9                             | 58.1                                   | 5.3            | 5.4            |                |                |                |                |                |                |
| 40.0  | 29.9                             | 55.0                                   | 4.7            | 4.8            |                |                |                |                |                |                |
| 42.0  | 20.9                             | 50.8                                   | 4.1            | 4.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 37.4  | 55.0                             | 62.3                                   |                | 4.7            |                |                |                |                |                |                |
| 38.0  | 53.6                             | 62.0                                   | 5.5            | 4.4            |                |                |                |                |                |                |
| 40.0  | 48.8                             | 60.3                                   | 4.7            | 3.7            |                |                |                |                |                |                |
| 42.0  | 43.6                             | 58.4                                   | 3.9            | 3.1            |                |                |                |                |                |                |
| 44.0  | 37.8                             | 56.0                                   | 3.3            | 2.5            |                |                |                |                |                |                |
| 46.0  | 31.0                             | 53.0                                   | 2.6            | 2.0            |                |                |                |                |                |                |
| 48.0  | 23.5                             | 49.0                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 65.5 m Plumín<br>31.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.3  | 78.0                             | 71.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 76.7                             | 71.3                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 13.0  | 74.7                             | 71.1                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 14.0  | 72.8                             | 70.7                                   | 15.1           | 28.6           |                |                |                |                |                |                |
| 16.0  | 68.9                             | 70.0                                   | 15.1           | 23.0           |                |                |                |                |                |                |
| 18.0  | 64.8                             | 69.1                                   | 15.1           | 18.8           |                |                |                |                |                |                |
| 20.0  | 60.6                             | 68.0                                   | 15.0           | 15.9           |                |                |                |                |                |                |
| 22.0  | 56.2                             | 66.8                                   | 13.1           | 13.6           |                |                |                |                |                |                |
| 24.0  | 51.6                             | 65.3                                   | 11.7           | 11.8           |                |                |                |                |                |                |
| 26.0  | 46.6                             | 63.5                                   | 10.2           | 10.3           |                |                |                |                |                |                |
| 28.0  | 41.1                             | 61.3                                   | 8.6            | 8.9            |                |                |                |                |                |                |
| 30.0  | 34.9                             | 58.7                                   | 7.3            | 7.7            |                |                |                |                |                |                |
| 32.0  | 27.5                             | 55.4                                   | 5.8            | 6.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 17.3  | 73.0                             | 70.4                                   | 15.1           | 22.7           |                |                |                |                |                |                |
| 18.0  | 71.6                             | 70.2                                   | 15.1           | 21.1           |                |                |                |                |                |                |
| 20.0  | 67.6                             | 69.4                                   | 15.1           | 17.7           |                |                |                |                |                |                |
| 22.0  | 63.5                             | 68.4                                   | 15.1           | 14.9           |                |                |                |                |                |                |
| 24.0  | 59.2                             | 67.3                                   | 14.5           | 12.7           |                |                |                |                |                |                |
| 26.0  | 54.8                             | 66.0                                   | 13.1           | 10.8           |                |                |                |                |                |                |
| 28.0  | 50.0                             | 64.4                                   | 11.9           | 9.2            |                |                |                |                |                |                |
| 30.0  | 44.9                             | 62.5                                   | 10.2           | 7.8            |                |                |                |                |                |                |
| 32.0  | 39.2                             | 60.2                                   | 8.8            | 6.6            |                |                |                |                |                |                |
| 34.0  | 32.7                             | 57.4                                   | 7.6            | 5.6            |                |                |                |                |                |                |
| 36.0  | 24.7                             | 53.7                                   | 6.7            | 4.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 26.5  | 65.0                             | 67.6                                   |                | 9.0            |                |                |                |                |                |                |
| 28.0  | 62.0                             | 66.9                                   | 10.1           | 7.9            |                |                |                |                |                |                |
| 30.0  | 57.6                             | 65.7                                   | 8.5            | 6.5            |                |                |                |                |                |                |
| 32.0  | 53.1                             | 64.3                                   | 7.0            | 5.4            |                |                |                |                |                |                |
| 34.0  | 48.2                             | 62.6                                   | 5.8            | 4.3            |                |                |                |                |                |                |
| 36.0  | 42.9                             | 60.6                                   | 4.6            | 3.4            |                |                |                |                |                |                |
| 38.0  | 37.0                             | 58.1                                   | 3.6            | 2.6            |                |                |                |                |                |                |
| 40.0  | 30.9                             | 55.0                                   | 2.7            |                |                |                |                |                |                |                |
| 41.0  | 26.9                             | 53.1                                   | 2.2            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 65.5 m Plumín<br>34.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.9  | 78.0                             | 74.4                                   | 15.1           | 23.1           |                |                |                |                |                |                |
| 12.0  | 77.8                             | 74.4                                   | 15.1           | 23.1           |                |                |                |                |                |                |
| 13.0  | 76.0                             | 74.1                                   | 15.1           | 22.1           |                |                |                |                |                |                |
| 14.0  | 74.3                             | 73.9                                   | 15.1           | 19.4           |                |                |                |                |                |                |
| 16.0  | 70.7                             | 73.2                                   | 15.1           | 15.6           |                |                |                |                |                |                |
| 18.0  | 67.1                             | 72.4                                   | 13.9           | 13.1           |                |                |                |                |                |                |
| 20.0  | 63.3                             | 71.4                                   | 11.5           | 10.9           |                |                |                |                |                |                |
| 22.0  | 59.5                             | 70.3                                   | 9.7            | 9.4            |                |                |                |                |                |                |
| 24.0  | 55.4                             | 69.0                                   | 8.1            | 8.0            |                |                |                |                |                |                |
| 26.0  | 51.2                             | 67.5                                   | 6.8            | 6.9            |                |                |                |                |                |                |
| 28.0  | 46.6                             | 65.7                                   | 5.9            | 6.0            |                |                |                |                |                |                |
| 30.0  | 41.7                             | 63.6                                   | 5.1            | 5.2            |                |                |                |                |                |                |
| 32.0  | 36.2                             | 61.0                                   | 4.5            | 4.6            |                |                |                |                |                |                |
| 34.0  | 29.8                             | 57.9                                   | 4.0            | 4.1            |                |                |                |                |                |                |
| 36.0  | 21.7                             | 53.7                                   | 3.5            | 3.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 18.1  | 73.0                             | 73.3                                   | 15.1           | 16.5           |                |                |                |                |                |                |
| 20.0  | 69.6                             | 72.6                                   | 14.7           | 14.7           |                |                |                |                |                |                |
| 22.0  | 65.9                             | 71.7                                   | 12.7           | 12.3           |                |                |                |                |                |                |
| 24.0  | 62.1                             | 70.7                                   | 10.3           | 10.3           |                |                |                |                |                |                |
| 26.0  | 58.2                             | 69.6                                   | 8.7            | 8.8            |                |                |                |                |                |                |
| 28.0  | 54.1                             | 68.2                                   | 7.4            | 7.6            |                |                |                |                |                |                |
| 30.0  | 49.7                             | 66.6                                   | 6.4            | 6.6            |                |                |                |                |                |                |
| 32.0  | 45.1                             | 64.7                                   | 5.6            | 5.8            |                |                |                |                |                |                |
| 34.0  | 40.0                             | 62.5                                   | 4.9            | 5.0            |                |                |                |                |                |                |
| 36.0  | 34.3                             | 59.8                                   | 4.3            | 4.4            |                |                |                |                |                |                |
| 38.0  | 27.5                             | 56.4                                   | 3.8            | 4.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 27.8  | 65.0                             | 70.3                                   | 11.0           | 11.0           |                |                |                |                |                |                |
| 28.0  | 64.5                             | 70.2                                   | 11.0           | 11.0           |                |                |                |                |                |                |
| 30.0  | 60.7                             | 69.2                                   | 9.6            | 9.8            |                |                |                |                |                |                |
| 32.0  | 56.7                             | 67.9                                   | 8.2            | 8.4            |                |                |                |                |                |                |
| 34.0  | 52.5                             | 66.5                                   | 7.0            | 7.3            |                |                |                |                |                |                |
| 36.0  | 48.1                             | 64.8                                   | 6.1            | 6.4            |                |                |                |                |                |                |
| 38.0  | 43.3                             | 62.8                                   | 5.3            | 5.6            |                |                |                |                |                |                |
| 40.0  | 38.0                             | 60.4                                   | 4.6            | 4.9            |                |                |                |                |                |                |
| 42.0  | 32.0                             | 57.5                                   | 4.1            | 4.4            |                |                |                |                |                |                |
| 44.0  | 24.6                             | 53.7                                   | 3.7            | 3.8            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 39.1  | 55.0                             | 64.8                                   |                | 3.9            |                |                |                |                |                |                |
| 40.0  | 53.2                             | 64.2                                   | 4.5            | 3.6            |                |                |                |                |                |                |
| 42.0  | 48.8                             | 62.6                                   | 3.8            | 3.0            |                |                |                |                |                |                |
| 44.0  | 44.0                             | 60.6                                   | 3.1            | 2.5            |                |                |                |                |                |                |
| 46.0  | 39.3                             | 58.3                                   | 2.5            |                |                |                |                |                |                |                |
| 47.0  | 36.5                             | 57.0                                   | 2.2            |                |                |                |                |                |                |                |



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 68.5 m Plumín<br>34.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.9  | 78.0                             | 74.4                                   |                | 30.1           |                |                |                |                |                |                |
| 12.0  | 77.9                             | 74.4                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 13.0  | 76.1                             | 74.2                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 14.0  | 74.4                             | 73.9                                   | 15.1           | 27.0           |                |                |                |                |                |                |
| 16.0  | 70.8                             | 73.2                                   | 15.1           | 21.6           |                |                |                |                |                |                |
| 18.0  | 67.2                             | 72.4                                   | 14.9           | 17.9           |                |                |                |                |                |                |
| 20.0  | 63.4                             | 71.5                                   | 14.5           | 15.0           |                |                |                |                |                |                |
| 22.0  | 59.6                             | 70.3                                   | 13.3           | 12.9           |                |                |                |                |                |                |
| 24.0  | 55.5                             | 69.0                                   | 11.2           | 11.1           |                |                |                |                |                |                |
| 26.0  | 51.3                             | 67.5                                   | 9.5            | 9.7            |                |                |                |                |                |                |
| 28.0  | 46.7                             | 65.7                                   | 8.3            | 8.6            |                |                |                |                |                |                |
| 30.0  | 41.8                             | 63.6                                   | 7.2            | 7.5            |                |                |                |                |                |                |
| 32.0  | 36.3                             | 61.1                                   | 6.3            | 6.6            |                |                |                |                |                |                |
| 34.0  | 29.9                             | 58.0                                   | 5.3            | 5.5            |                |                |                |                |                |                |
| 36.0  | 21.8                             | 53.8                                   | 4.1            | 4.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 18.1  | 73.0                             | 73.3                                   |                | 21.1           |                |                |                |                |                |                |
| 20.0  | 69.7                             | 72.6                                   | 15.1           | 17.9           |                |                |                |                |                |                |
| 22.0  | 66.0                             | 71.8                                   | 15.1           | 15.2           |                |                |                |                |                |                |
| 24.0  | 62.2                             | 70.8                                   | 15.0           | 12.9           |                |                |                |                |                |                |
| 26.0  | 58.3                             | 69.6                                   | 13.2           | 11.0           |                |                |                |                |                |                |
| 28.0  | 54.2                             | 68.2                                   | 11.1           | 9.4            |                |                |                |                |                |                |
| 30.0  | 49.9                             | 66.6                                   | 9.5            | 8.1            |                |                |                |                |                |                |
| 32.0  | 45.2                             | 64.7                                   | 8.3            | 6.9            |                |                |                |                |                |                |
| 34.0  | 40.1                             | 62.5                                   | 7.2            | 5.8            |                |                |                |                |                |                |
| 36.0  | 34.4                             | 59.8                                   | 6.3            | 4.9            |                |                |                |                |                |                |
| 38.0  | 27.6                             | 56.5                                   | 5.6            | 4.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 27.8  | 65.0                             | 70.3                                   |                | 8.0            |                |                |                |                |                |                |
| 28.0  | 64.7                             | 70.3                                   | 10.0           | 7.9            |                |                |                |                |                |                |
| 30.0  | 60.8                             | 69.2                                   | 8.4            | 6.6            |                |                |                |                |                |                |
| 32.0  | 56.8                             | 68.0                                   | 7.0            | 5.5            |                |                |                |                |                |                |
| 34.0  | 52.7                             | 66.5                                   | 5.8            | 4.5            |                |                |                |                |                |                |
| 36.0  | 48.2                             | 64.8                                   | 4.7            | 3.6            |                |                |                |                |                |                |
| 38.0  | 43.4                             | 62.8                                   | 3.7            | 2.8            |                |                |                |                |                |                |
| 40.0  | 38.1                             | 60.4                                   | 2.8            | 2.0            |                |                |                |                |                |                |
| 41.0  | 35.8                             | 59.1                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 68.5 m Plumín<br>37.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 12.5  | 78.0                             | 77.3                                   | 15.1           | 22.5           |                |                |                |                |                |                |
| 13.0  | 77.2                             | 77.2                                   | 15.1           | 22.5           |                |                |                |                |                |                |
| 14.0  | 75.6                             | 77.0                                   | 15.1           | 20.8           |                |                |                |                |                |                |
| 16.0  | 72.3                             | 76.4                                   | 15.1           | 16.8           |                |                |                |                |                |                |
| 18.0  | 69.0                             | 75.6                                   | 15.1           | 14.1           |                |                |                |                |                |                |
| 20.0  | 65.7                             | 74.8                                   | 12.7           | 11.9           |                |                |                |                |                |                |
| 22.0  | 62.2                             | 73.8                                   | 10.6           | 10.2           |                |                |                |                |                |                |
| 24.0  | 58.6                             | 72.6                                   | 9.0            | 8.8            |                |                |                |                |                |                |
| 26.0  | 54.9                             | 71.2                                   | 7.7            | 7.6            |                |                |                |                |                |                |
| 28.0  | 50.9                             | 69.7                                   | 6.6            | 6.7            |                |                |                |                |                |                |
| 30.0  | 46.7                             | 67.9                                   | 5.8            | 6.0            |                |                |                |                |                |                |
| 32.0  | 42.2                             | 65.8                                   | 5.1            | 5.3            |                |                |                |                |                |                |
| 34.0  | 37.3                             | 63.4                                   | 4.5            | 4.6            |                |                |                |                |                |                |
| 36.0  | 31.7                             | 60.4                                   | 4.1            | 4.2            |                |                |                |                |                |                |
| 38.0  | 24.9                             | 56.7                                   | 3.6            | 3.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 19.0  | 73.0                             | 76.1                                   | 15.1           | 16.1           |                |                |                |                |                |                |
| 20.0  | 71.3                             | 75.8                                   | 15.1           | 15.9           |                |                |                |                |                |                |
| 22.0  | 68.0                             | 75.0                                   | 14.3           | 13.4           |                |                |                |                |                |                |
| 24.0  | 64.6                             | 74.1                                   | 12.0           | 11.3           |                |                |                |                |                |                |
| 26.0  | 61.1                             | 73.1                                   | 10.1           | 9.8            |                |                |                |                |                |                |
| 28.0  | 57.4                             | 71.8                                   | 8.6            | 8.4            |                |                |                |                |                |                |
| 30.0  | 53.6                             | 70.4                                   | 7.4            | 7.4            |                |                |                |                |                |                |
| 32.0  | 49.6                             | 68.8                                   | 6.5            | 6.5            |                |                |                |                |                |                |
| 34.0  | 45.3                             | 66.9                                   | 5.7            | 5.8            |                |                |                |                |                |                |
| 36.0  | 40.7                             | 64.7                                   | 5.0            | 5.1            |                |                |                |                |                |                |
| 38.0  | 35.6                             | 62.2                                   | 4.4            | 4.5            |                |                |                |                |                |                |
| 40.0  | 29.7                             | 59.0                                   | 4.0            | 4.1            |                |                |                |                |                |                |
| 42.0  | 22.3                             | 54.9                                   | 3.6            | 3.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 29.0  | 65.0                             | 73.0                                   | 11.2           | 10.5           |                |                |                |                |                |                |
| 30.0  | 63.3                             | 72.6                                   | 9.9            | 9.9            |                |                |                |                |                |                |
| 32.0  | 59.8                             | 71.5                                   | 9.4            | 8.7            |                |                |                |                |                |                |
| 34.0  | 56.1                             | 70.2                                   | 8.1            | 7.6            |                |                |                |                |                |                |
| 36.0  | 52.2                             | 68.7                                   | 7.0            | 6.7            |                |                |                |                |                |                |
| 38.0  | 48.1                             | 67.0                                   | 6.2            | 5.9            |                |                |                |                |                |                |
| 40.0  | 43.7                             | 65.0                                   | 5.5            | 5.2            |                |                |                |                |                |                |
| 42.0  | 38.9                             | 62.7                                   | 4.8            | 4.5            |                |                |                |                |                |                |
| 44.0  | 33.6                             | 59.9                                   | 4.3            | 3.9            |                |                |                |                |                |                |
| 46.0  | 27.2                             | 56.5                                   | 3.9            | 3.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 40.8  | 55.0                             | 67.3                                   | 3.7            | 3.3            |                |                |                |                |                |                |
| 42.0  | 52.8                             | 66.5                                   | 3.0            | 3.0            |                |                |                |                |                |                |
| 44.0  | 48.7                             | 64.8                                   | 3.0            | 2.5            |                |                |                |                |                |                |
| 46.0  | 44.7                             | 62.9                                   | 2.4            |                |                |                |                |                |                |                |
| 47.0  | 42.4                             | 61.8                                   | 2.2            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |   | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>roldan-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 71.5 m Plumín<br>37.0 [ m ] Posición midfall (2316) |                                  |   |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |   |                |                |                |                |                |                |                |                |
| 12.5  | 78.0                             | 77.4                                    |                | 28.1           |                |                |                |                |                |                |
| 13.0  | 77.3                             | 77.3                                    | 15.1           | 28.1           |                |                |                |                |                |                |
| 14.0  | 75.7                             | 77.0                                    | 15.1           | 25.7           |                |                |                |                |                |                |
| 16.0  | 72.4                             | 76.4                                    | 15.1           | 20.4           |                |                |                |                |                |                |
| 18.0  | 69.1                             | 75.7                                    | 15.1           | 16.8           |                |                |                |                |                |                |
| 20.0  | 65.8                             | 74.8                                    | 13.4           | 14.1           |                |                |                |                |                |                |
| 22.0  | 62.3                             | 73.8                                    | 11.9           | 12.0           |                |                |                |                |                |                |
| 24.0  | 58.7                             | 72.6                                    | 10.3           | 10.4           |                |                |                |                |                |                |
| 26.0  | 55.0                             | 71.3                                    | 8.7            | 8.9            |                |                |                |                |                |                |
| 28.0  | 51.0                             | 69.7                                    | 7.5            | 7.8            |                |                |                |                |                |                |
| 30.0  | 46.9                             | 67.9                                    | 6.5            | 6.8            |                |                |                |                |                |                |
| 32.0  | 42.4                             | 65.9                                    | 5.7            | 6.0            |                |                |                |                |                |                |
| 34.0  | 37.4                             | 63.4                                    | 4.9            | 5.2            |                |                |                |                |                |                |
| 36.0  | 31.8                             | 60.5                                    | 4.2            | 4.4            |                |                |                |                |                |                |
| 38.0  | 25.0                             | 56.8                                    | 3.2            | 3.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |   |                |                |                |                |                |                |                |                |
| 19.0  | 73.0                             | 76.1                                    |                | 19.5           |                |                |                |                |                |                |
| 20.0  | 71.4                             | 75.8                                    | 15.1           | 17.9           |                |                |                |                |                |                |
| 22.0  | 68.1                             | 75.1                                    | 15.1           | 15.1           |                |                |                |                |                |                |
| 24.0  | 64.7                             | 74.2                                    | 13.5           | 12.8           |                |                |                |                |                |                |
| 26.0  | 61.2                             | 73.1                                    | 12.2           | 11.0           |                |                |                |                |                |                |
| 28.0  | 57.5                             | 71.9                                    | 10.2           | 9.4            |                |                |                |                |                |                |
| 30.0  | 53.7                             | 70.5                                    | 8.6            | 8.1            |                |                |                |                |                |                |
| 32.0  | 49.7                             | 68.8                                    | 7.4            | 6.9            |                |                |                |                |                |                |
| 34.0  | 45.5                             | 67.0                                    | 6.5            | 5.8            |                |                |                |                |                |                |
| 36.0  | 40.8                             | 64.8                                    | 5.6            | 4.9            |                |                |                |                |                |                |
| 38.0  | 35.7                             | 62.2                                    | 4.9            | 4.1            |                |                |                |                |                |                |
| 40.0  | 29.8                             | 59.1                                    | 4.3            | 3.3            |                |                |                |                |                |                |
| 42.0  | 22.5                             | 55.0                                    | 3.7            | 2.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |   |                |                |                |                |                |                |                |                |
| 29.1  | 65.0                             | 73.0                                    |                | 6.9            |                |                |                |                |                |                |
| 30.0  | 63.4                             | 72.6                                    | 8.0            | 6.4            |                |                |                |                |                |                |
| 32.0  | 59.9                             | 71.5                                    | 6.7            | 5.3            |                |                |                |                |                |                |
| 34.0  | 56.2                             | 70.2                                    | 5.5            | 4.3            |                |                |                |                |                |                |
| 36.0  | 52.3                             | 68.7                                    | 4.4            | 3.5            |                |                |                |                |                |                |
| 38.0  | 48.2                             | 67.0                                    | 3.5            | 2.7            |                |                |                |                |                |                |
| 40.0  | 44.2                             | 65.1                                    | 2.6            |                |                |                |                |                |                |                |
| 41.0  | 41.9                             | 64.0                                    | 2.2            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 71.5 m Plumín<br>40.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.1  | 78.0                             | 80.3                                   | 15.1           | 23.4           |                |                |                |                |                |                |
| 14.0  | 76.7                             | 80.1                                   | 15.1           | 23.4           |                |                |                |                |                |                |
| 16.0  | 73.7                             | 79.5                                   | 15.1           | 19.4           |                |                |                |                |                |                |
| 18.0  | 70.7                             | 78.8                                   | 15.1           | 16.2           |                |                |                |                |                |                |
| 20.0  | 67.6                             | 78.1                                   | 14.3           | 14.0           |                |                |                |                |                |                |
| 22.0  | 64.5                             | 77.1                                   | 12.3           | 11.9           |                |                |                |                |                |                |
| 24.0  | 61.2                             | 76.1                                   | 10.8           | 10.5           |                |                |                |                |                |                |
| 26.0  | 57.9                             | 74.9                                   | 9.3            | 9.2            |                |                |                |                |                |                |
| 28.0  | 54.4                             | 73.5                                   | 8.1            | 8.1            |                |                |                |                |                |                |
| 30.0  | 50.7                             | 71.9                                   | 7.2            | 7.3            |                |                |                |                |                |                |
| 32.0  | 46.9                             | 70.1                                   | 6.4            | 6.6            |                |                |                |                |                |                |
| 34.0  | 42.7                             | 68.1                                   | 5.7            | 5.9            |                |                |                |                |                |                |
| 36.0  | 38.2                             | 65.7                                   | 5.2            | 5.3            |                |                |                |                |                |                |
| 38.0  | 33.2                             | 62.9                                   | 4.7            | 4.8            |                |                |                |                |                |                |
| 40.0  | 27.3                             | 59.4                                   | 4.3            | 4.4            |                |                |                |                |                |                |
| 42.0  | 19.9                             | 54.8                                   | 3.8            | 4.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 19.8  | 73.0                             | 79.0                                   |                | 17.1           |                |                |                |                |                |                |
| 20.0  | 72.8                             | 79.0                                   | 15.1           | 17.1           |                |                |                |                |                |                |
| 22.0  | 69.7                             | 78.3                                   | 14.8           | 15.4           |                |                |                |                |                |                |
| 24.0  | 66.6                             | 77.4                                   | 13.5           | 13.2           |                |                |                |                |                |                |
| 26.0  | 63.4                             | 76.5                                   | 11.4           | 11.4           |                |                |                |                |                |                |
| 28.0  | 60.2                             | 75.4                                   | 9.9            | 10.1           |                |                |                |                |                |                |
| 30.0  | 56.8                             | 74.1                                   | 8.6            | 8.9            |                |                |                |                |                |                |
| 32.0  | 53.2                             | 72.7                                   | 7.6            | 7.9            |                |                |                |                |                |                |
| 34.0  | 49.5                             | 71.0                                   | 6.8            | 7.1            |                |                |                |                |                |                |
| 36.0  | 45.6                             | 69.2                                   | 6.1            | 6.4            |                |                |                |                |                |                |
| 38.0  | 41.3                             | 67.0                                   | 5.5            | 5.8            |                |                |                |                |                |                |
| 40.0  | 36.7                             | 64.5                                   | 4.9            | 5.2            |                |                |                |                |                |                |
| 42.0  | 31.4                             | 61.5                                   | 4.5            | 4.8            |                |                |                |                |                |                |
| 44.0  | 25.2                             | 57.8                                   | 4.1            | 4.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 30.3  | 65.0                             | 75.8                                   |                | 9.6            |                |                |                |                |                |                |
| 32.0  | 62.3                             | 74.9                                   | 10.4           | 8.6            |                |                |                |                |                |                |
| 34.0  | 58.9                             | 73.8                                   | 9.2            | 7.5            |                |                |                |                |                |                |
| 36.0  | 55.5                             | 72.5                                   | 8.2            | 6.6            |                |                |                |                |                |                |
| 38.0  | 51.9                             | 71.0                                   | 7.2            | 5.8            |                |                |                |                |                |                |
| 40.0  | 48.1                             | 69.2                                   | 6.4            | 5.1            |                |                |                |                |                |                |
| 42.0  | 44.1                             | 67.3                                   | 5.6            | 4.4            |                |                |                |                |                |                |
| 44.0  | 39.7                             | 65.0                                   | 4.9            | 3.9            |                |                |                |                |                |                |
| 46.0  | 34.9                             | 62.3                                   | 4.2            | 3.3            |                |                |                |                |                |                |
| 48.0  | 29.3                             | 59.1                                   | 3.6            | 2.8            |                |                |                |                |                |                |
| 50.0  | 22.5                             | 55.0                                   | 3.1            | 2.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 42.6  | 55.0                             | 69.7                                   |                | 2.7            |                |                |                |                |                |                |
| 44.0  | 52.4                             | 68.7                                   | 2.8            | 2.3            |                |                |                |                |                |                |
| 46.0  | 48.9                             | 67.0                                   | 2.2            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 74.5 m Plumín<br>31.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.2  | 78.0                             | 71.5                                   |                | 21.0           |                |                |                |                |                |                |
| 12.0  | 76.5                             | 71.3                                   | 15.1           | 21.0           |                |                |                |                |                |                |
| 13.0  | 74.6                             | 71.0                                   | 15.1           | 18.3           |                |                |                |                |                |                |
| 14.0  | 72.7                             | 70.7                                   | 15.1           | 16.2           |                |                |                |                |                |                |
| 16.0  | 68.8                             | 70.0                                   | 14.4           | 13.0           |                |                |                |                |                |                |
| 18.0  | 64.7                             | 69.1                                   | 11.2           | 10.3           |                |                |                |                |                |                |
| 20.0  | 60.5                             | 68.0                                   | 8.8            | 8.5            |                |                |                |                |                |                |
| 22.0  | 56.1                             | 66.7                                   | 7.1            | 7.0            |                |                |                |                |                |                |
| 24.0  | 51.4                             | 65.2                                   | 5.8            | 5.8            |                |                |                |                |                |                |
| 26.0  | 46.5                             | 63.4                                   | 4.9            | 4.9            |                |                |                |                |                |                |
| 28.0  | 41.0                             | 61.3                                   | 4.1            | 4.1            |                |                |                |                |                |                |
| 30.0  | 34.8                             | 58.7                                   | 3.5            | 3.5            |                |                |                |                |                |                |
| 32.0  | 27.4                             | 55.3                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 17.2  | 73.0                             | 70.4                                   |                | 15.0           |                |                |                |                |                |                |
| 18.0  | 71.4                             | 70.1                                   | 15.1           | 15.0           |                |                |                |                |                |                |
| 20.0  | 67.5                             | 69.4                                   | 13.1           | 11.9           |                |                |                |                |                |                |
| 22.0  | 63.4                             | 68.4                                   | 10.1           | 9.6            |                |                |                |                |                |                |
| 24.0  | 59.1                             | 67.3                                   | 8.2            | 7.9            |                |                |                |                |                |                |
| 26.0  | 54.6                             | 65.9                                   | 6.7            | 6.6            |                |                |                |                |                |                |
| 28.0  | 49.9                             | 64.3                                   | 5.6            | 5.6            |                |                |                |                |                |                |
| 30.0  | 44.8                             | 62.4                                   | 4.7            | 4.7            |                |                |                |                |                |                |
| 32.0  | 39.1                             | 60.2                                   | 4.0            | 4.0            |                |                |                |                |                |                |
| 34.0  | 32.6                             | 57.3                                   | 3.4            | 3.5            |                |                |                |                |                |                |
| 36.0  | 24.5                             | 53.6                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 26.5  | 65.0                             | 67.6                                   |                | 9.6            |                |                |                |                |                |                |
| 28.0  | 61.9                             | 66.9                                   | 8.8            | 8.5            |                |                |                |                |                |                |
| 30.0  | 57.5                             | 65.7                                   | 7.3            | 7.2            |                |                |                |                |                |                |
| 32.0  | 53.0                             | 64.2                                   | 6.0            | 6.0            |                |                |                |                |                |                |
| 34.0  | 48.1                             | 62.5                                   | 5.2            | 5.0            |                |                |                |                |                |                |
| 36.0  | 42.8                             | 60.5                                   | 4.4            | 4.1            |                |                |                |                |                |                |
| 38.0  | 36.9                             | 58.1                                   | 3.7            | 3.4            |                |                |                |                |                |                |
| 40.0  | 29.9                             | 55.0                                   | 3.2            | 2.7            |                |                |                |                |                |                |
| 42.0  | 20.9                             | 50.8                                   | 2.8            | 2.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 37.4  | 55.0                             | 62.3                                   |                | 2.5            |                |                |                |                |                |                |
| 38.0  | 53.6                             | 62.0                                   | 3.1            | 2.3            |                |                |                |                |                |                |
| 40.0  | 49.1                             | 60.3                                   | 2.2            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 74.5 m Plumín<br>40.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.2  | 78.0                             | 80.3                                   | 15.1           | 28.0           |                |                |                |                |                |                |
| 14.0  | 76.8                             | 80.1                                   | 15.1           | 28.0           |                |                |                |                |                |                |
| 16.0  | 73.8                             | 79.5                                   | 15.1           | 22.6           |                |                |                |                |                |                |
| 18.0  | 70.8                             | 78.9                                   | 15.1           | 18.6           |                |                |                |                |                |                |
| 20.0  | 67.7                             | 78.1                                   | 14.7           | 15.9           |                |                |                |                |                |                |
| 22.0  | 64.5                             | 77.2                                   | 13.3           | 13.5           |                |                |                |                |                |                |
| 24.0  | 61.3                             | 76.1                                   | 12.4           | 11.9           |                |                |                |                |                |                |
| 26.0  | 57.9                             | 74.9                                   | 10.7           | 10.3           |                |                |                |                |                |                |
| 28.0  | 54.5                             | 73.5                                   | 9.1            | 9.1            |                |                |                |                |                |                |
| 30.0  | 50.8                             | 72.0                                   | 7.9            | 8.0            |                |                |                |                |                |                |
| 32.0  | 47.0                             | 70.2                                   | 6.8            | 6.9            |                |                |                |                |                |                |
| 34.0  | 42.8                             | 68.1                                   | 5.7            | 5.8            |                |                |                |                |                |                |
| 36.0  | 38.3                             | 65.8                                   | 4.7            | 4.9            |                |                |                |                |                |                |
| 38.0  | 33.3                             | 62.9                                   | 3.9            | 4.0            |                |                |                |                |                |                |
| 40.0  | 27.5                             | 59.5                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 19.9  | 73.0                             | 79.0                                   |                | 18.0           |                |                |                |                |                |                |
| 20.0  | 72.8                             | 79.0                                   | 15.1           | 17.9           |                |                |                |                |                |                |
| 22.0  | 69.8                             | 78.3                                   | 15.1           | 15.0           |                |                |                |                |                |                |
| 24.0  | 66.7                             | 77.5                                   | 14.7           | 12.8           |                |                |                |                |                |                |
| 26.0  | 63.5                             | 76.5                                   | 13.2           | 10.9           |                |                |                |                |                |                |
| 28.0  | 60.2                             | 75.4                                   | 11.9           | 9.3            |                |                |                |                |                |                |
| 30.0  | 56.8                             | 74.1                                   | 10.1           | 8.0            |                |                |                |                |                |                |
| 32.0  | 53.3                             | 72.7                                   | 8.7            | 6.9            |                |                |                |                |                |                |
| 34.0  | 49.6                             | 71.1                                   | 7.7            | 5.9            |                |                |                |                |                |                |
| 36.0  | 45.7                             | 69.2                                   | 6.5            | 4.9            |                |                |                |                |                |                |
| 38.0  | 41.4                             | 67.1                                   | 5.5            | 4.1            |                |                |                |                |                |                |
| 40.0  | 36.8                             | 64.6                                   | 4.5            | 3.3            |                |                |                |                |                |                |
| 42.0  | 31.5                             | 61.6                                   | 3.6            | 2.7            |                |                |                |                |                |                |
| 44.0  | 25.3                             | 57.8                                   | 2.8            | 2.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 30.3  | 65.0                             | 75.8                                   |                | 6.0            |                |                |                |                |                |                |
| 32.0  | 62.3                             | 75.0                                   | 6.4            | 5.1            |                |                |                |                |                |                |
| 34.0  | 59.0                             | 73.8                                   | 5.3            | 4.2            |                |                |                |                |                |                |
| 36.0  | 55.6                             | 72.5                                   | 4.3            | 3.4            |                |                |                |                |                |                |
| 38.0  | 52.0                             | 71.0                                   | 3.3            | 2.6            |                |                |                |                |                |                |
| 40.0  | 48.5                             | 69.3                                   | 2.5            |                |                |                |                |                |                |                |
| 41.0  | 46.5                             | 68.3                                   | 2.1            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/ Pieza de articulación de pluma principal: 2821-1  
 Radio de descarga: 360 ° Cabeza de pluma principal: 2821-1  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 77.5 m Plumín<br>34.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.9  | 78.0                             | 74.4                                   | 15.1           | 18.8           |                |                |                |                |                |                |
| 12.0  | 77.8                             | 74.4                                   | 15.1           | 18.8           |                |                |                |                |                |                |
| 13.0  | 76.0                             | 74.1                                   | 15.1           | 18.2           |                |                |                |                |                |                |
| 14.0  | 74.3                             | 73.9                                   | 15.1           | 16.1           |                |                |                |                |                |                |
| 16.0  | 70.7                             | 73.2                                   | 13.4           | 12.8           |                |                |                |                |                |                |
| 18.0  | 67.1                             | 72.4                                   | 11.3           | 10.4           |                |                |                |                |                |                |
| 20.0  | 63.3                             | 71.4                                   | 8.8            | 8.4            |                |                |                |                |                |                |
| 22.0  | 59.5                             | 70.3                                   | 7.1            | 7.0            |                |                |                |                |                |                |
| 24.0  | 55.4                             | 69.0                                   | 5.8            | 5.8            |                |                |                |                |                |                |
| 26.0  | 51.2                             | 67.5                                   | 4.8            | 4.9            |                |                |                |                |                |                |
| 28.0  | 46.6                             | 65.7                                   | 4.1            | 4.1            |                |                |                |                |                |                |
| 30.0  | 41.7                             | 63.6                                   | 3.4            | 3.5            |                |                |                |                |                |                |
| 32.0  | 36.2                             | 61.0                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| 34.0  | 29.8                             | 57.9                                   | 2.4            | 2.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 18.1  | 73.0                             | 73.3                                   | 14.9           | 13.3           |                |                |                |                |                |                |
| 20.0  | 69.6                             | 72.6                                   | 13.1           | 11.9           |                |                |                |                |                |                |
| 22.0  | 65.9                             | 71.7                                   | 10.2           | 9.6            |                |                |                |                |                |                |
| 24.0  | 62.1                             | 70.7                                   | 8.1            | 7.8            |                |                |                |                |                |                |
| 26.0  | 58.2                             | 69.6                                   | 6.6            | 6.6            |                |                |                |                |                |                |
| 28.0  | 54.1                             | 68.2                                   | 5.5            | 5.5            |                |                |                |                |                |                |
| 30.0  | 49.7                             | 66.6                                   | 4.7            | 4.7            |                |                |                |                |                |                |
| 32.0  | 45.1                             | 64.7                                   | 4.0            | 4.0            |                |                |                |                |                |                |
| 34.0  | 40.0                             | 62.5                                   | 3.3            | 3.4            |                |                |                |                |                |                |
| 36.0  | 34.3                             | 59.8                                   | 2.8            | 2.9            |                |                |                |                |                |                |
| 38.0  | 27.5                             | 56.4                                   | 2.4            | 2.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 27.8  | 65.0                             | 70.3                                   | 8.5            | 8.4            |                |                |                |                |                |                |
| 28.0  | 64.5                             | 70.2                                   | 8.5            | 8.4            |                |                |                |                |                |                |
| 30.0  | 60.7                             | 69.2                                   | 7.5            | 7.3            |                |                |                |                |                |                |
| 32.0  | 56.7                             | 67.9                                   | 6.3            | 6.1            |                |                |                |                |                |                |
| 34.0  | 52.5                             | 66.5                                   | 5.3            | 5.1            |                |                |                |                |                |                |
| 36.0  | 48.1                             | 64.8                                   | 4.5            | 4.2            |                |                |                |                |                |                |
| 38.0  | 43.3                             | 62.8                                   | 3.8            | 3.5            |                |                |                |                |                |                |
| 40.0  | 38.0                             | 60.4                                   | 3.2            | 2.8            |                |                |                |                |                |                |
| 42.0  | 32.0                             | 57.5                                   | 2.8            | 2.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 39.2  | 55.0                             | 64.8                                   | 2.4            |                |                |                |                |                |                |                |
| 40.0  | 53.4                             | 64.2                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 77.5 m Plumín<br>43.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.8  | 78.0                             | 83.2                                   | 15.1           | 27.7           |                |                |                |                |                |                |
| 14.0  | 77.7                             | 83.2                                   | 15.1           | 27.7           |                |                |                |                |                |                |
| 16.0  | 75.0                             | 82.7                                   | 15.1           | 24.2           |                |                |                |                |                |                |
| 18.0  | 72.2                             | 82.1                                   | 15.1           | 20.2           |                |                |                |                |                |                |
| 20.0  | 69.3                             | 81.3                                   | 15.1           | 17.2           |                |                |                |                |                |                |
| 22.0  | 66.4                             | 80.5                                   | 13.9           | 14.9           |                |                |                |                |                |                |
| 24.0  | 63.5                             | 79.5                                   | 12.6           | 13.0           |                |                |                |                |                |                |
| 26.0  | 60.4                             | 78.4                                   | 11.5           | 11.5           |                |                |                |                |                |                |
| 28.0  | 57.3                             | 77.2                                   | 9.9            | 10.1           |                |                |                |                |                |                |
| 30.0  | 54.0                             | 75.8                                   | 8.6            | 9.0            |                |                |                |                |                |                |
| 32.0  | 50.6                             | 74.2                                   | 7.5            | 7.9            |                |                |                |                |                |                |
| 34.0  | 47.0                             | 72.4                                   | 6.3            | 6.7            |                |                |                |                |                |                |
| 36.0  | 43.2                             | 70.4                                   | 5.0            | 5.3            |                |                |                |                |                |                |
| 38.0  | 39.1                             | 68.1                                   | 3.9            | 4.1            |                |                |                |                |                |                |
| 40.0  | 34.5                             | 65.4                                   | 2.9            | 3.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 20.8  | 73.0                             | 81.9                                   | 15.1           | 16.4           |                |                |                |                |                |                |
| 22.0  | 71.3                             | 81.5                                   | 15.1           | 14.8           |                |                |                |                |                |                |
| 24.0  | 68.4                             | 80.7                                   | 15.1           | 12.5           |                |                |                |                |                |                |
| 26.0  | 65.5                             | 79.8                                   | 13.7           | 10.7           |                |                |                |                |                |                |
| 28.0  | 62.5                             | 78.8                                   | 11.8           | 9.1            |                |                |                |                |                |                |
| 30.0  | 59.4                             | 77.7                                   | 10.2           | 7.8            |                |                |                |                |                |                |
| 32.0  | 56.3                             | 76.4                                   | 8.7            | 6.7            |                |                |                |                |                |                |
| 34.0  | 53.0                             | 75.0                                   | 7.5            | 5.8            |                |                |                |                |                |                |
| 36.0  | 49.5                             | 73.3                                   | 6.3            | 4.9            |                |                |                |                |                |                |
| 38.0  | 45.8                             | 71.5                                   | 5.3            | 4.0            |                |                |                |                |                |                |
| 40.0  | 41.9                             | 69.3                                   | 4.3            | 3.3            |                |                |                |                |                |                |
| 42.0  | 37.7                             | 66.9                                   | 3.4            | 2.6            |                |                |                |                |                |                |
| 44.0  | 33.5                             | 64.0                                   | 2.6            |                |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 31.6  | 65.0                             | 78.5                                   |                | 5.0            |                |                |                |                |                |                |
| 32.0  | 64.4                             | 78.3                                   | 5.9            | 4.8            |                |                |                |                |                |                |
| 34.0  | 61.4                             | 77.3                                   | 4.8            | 3.9            |                |                |                |                |                |                |
| 36.0  | 58.3                             | 76.1                                   | 3.9            | 3.1            |                |                |                |                |                |                |
| 38.0  | 55.1                             | 74.7                                   | 3.1            | 2.4            |                |                |                |                |                |                |
| 40.0  | 52.0                             | 73.2                                   | 2.2            |                |                |                |                |                |                |                |



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 80.5 m Plumín<br>37.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 12.5  | 78.0                             | 77.3                                   | 15.1           | 19.4           |                |                |                |                |                |                |
| 13.0  | 77.2                             | 77.2                                   | 15.1           | 19.4           |                |                |                |                |                |                |
| 14.0  | 75.6                             | 77.0                                   | 15.1           | 18.2           |                |                |                |                |                |                |
| 16.0  | 72.3                             | 76.4                                   | 14.5           | 14.7           |                |                |                |                |                |                |
| 18.0  | 69.0                             | 75.6                                   | 12.9           | 12.1           |                |                |                |                |                |                |
| 20.0  | 65.7                             | 74.8                                   | 10.5           | 10.0           |                |                |                |                |                |                |
| 22.0  | 62.2                             | 73.8                                   | 8.5            | 8.4            |                |                |                |                |                |                |
| 24.0  | 58.6                             | 72.6                                   | 7.1            | 7.1            |                |                |                |                |                |                |
| 26.0  | 54.9                             | 71.2                                   | 6.0            | 6.1            |                |                |                |                |                |                |
| 28.0  | 50.9                             | 69.7                                   | 5.2            | 5.3            |                |                |                |                |                |                |
| 30.0  | 46.7                             | 67.9                                   | 4.5            | 4.6            |                |                |                |                |                |                |
| 32.0  | 42.2                             | 65.8                                   | 3.9            | 4.0            |                |                |                |                |                |                |
| 34.0  | 37.3                             | 63.4                                   | 3.4            | 3.5            |                |                |                |                |                |                |
| 36.0  | 31.7                             | 60.4                                   | 2.8            | 2.8            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 19.0  | 73.0                             | 76.1                                   | 14.7           | 13.8           |                |                |                |                |                |                |
| 20.0  | 71.3                             | 75.8                                   | 14.7           | 13.7           |                |                |                |                |                |                |
| 22.0  | 68.0                             | 75.0                                   | 12.0           | 11.2           |                |                |                |                |                |                |
| 24.0  | 64.6                             | 74.1                                   | 9.7            | 9.3            |                |                |                |                |                |                |
| 26.0  | 61.1                             | 73.1                                   | 8.0            | 7.9            |                |                |                |                |                |                |
| 28.0  | 57.4                             | 71.8                                   | 6.8            | 6.8            |                |                |                |                |                |                |
| 30.0  | 53.6                             | 70.4                                   | 5.8            | 5.9            |                |                |                |                |                |                |
| 32.0  | 49.6                             | 68.8                                   | 5.1            | 5.2            |                |                |                |                |                |                |
| 34.0  | 45.3                             | 66.9                                   | 4.4            | 4.5            |                |                |                |                |                |                |
| 36.0  | 40.7                             | 64.7                                   | 3.8            | 3.9            |                |                |                |                |                |                |
| 38.0  | 35.6                             | 62.2                                   | 3.4            | 3.5            |                |                |                |                |                |                |
| 40.0  | 29.7                             | 59.0                                   | 3.0            | 3.0            |                |                |                |                |                |                |
| 42.0  | 22.3                             | 54.9                                   | 2.5            | 2.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 29.0  | 65.0                             | 73.0                                   |                | 8.0            |                |                |                |                |                |                |
| 30.0  | 63.3                             | 72.6                                   | 8.9            | 7.4            |                |                |                |                |                |                |
| 32.0  | 59.8                             | 71.5                                   | 7.6            | 6.2            |                |                |                |                |                |                |
| 34.0  | 56.1                             | 70.2                                   | 6.5            | 5.2            |                |                |                |                |                |                |
| 36.0  | 52.2                             | 68.7                                   | 5.6            | 4.4            |                |                |                |                |                |                |
| 38.0  | 48.1                             | 67.0                                   | 4.9            | 3.6            |                |                |                |                |                |                |
| 40.0  | 43.7                             | 65.0                                   | 4.0            | 2.9            |                |                |                |                |                |                |
| 42.0  | 38.9                             | 62.7                                   | 3.2            | 2.3            |                |                |                |                |                |                |
| 44.0  | 34.1                             | 59.9                                   | 2.4            |                |                |                |                |                |                |                |
| 45.0  | 31.2                             | 58.3                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 83.5 m Plumín<br>40.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.1  | 78.0                             | 80.3                                   | 15.1           | 16.5           |                |                |                |                |                |                |
| 14.0  | 76.7                             | 80.1                                   | 15.1           | 16.5           |                |                |                |                |                |                |
| 16.0  | 73.7                             | 79.5                                   | 13.4           | 13.9           |                |                |                |                |                |                |
| 18.0  | 70.7                             | 78.8                                   | 11.3           | 11.2           |                |                |                |                |                |                |
| 20.0  | 67.6                             | 78.1                                   | 9.7            | 9.4            |                |                |                |                |                |                |
| 22.0  | 64.5                             | 77.1                                   | 7.8            | 7.7            |                |                |                |                |                |                |
| 24.0  | 61.2                             | 76.1                                   | 6.5            | 6.5            |                |                |                |                |                |                |
| 26.0  | 57.9                             | 74.9                                   | 5.5            | 5.5            |                |                |                |                |                |                |
| 28.0  | 54.4                             | 73.5                                   | 4.6            | 4.7            |                |                |                |                |                |                |
| 30.0  | 50.7                             | 71.9                                   | 4.0            | 4.1            |                |                |                |                |                |                |
| 32.0  | 46.9                             | 70.1                                   | 3.4            | 3.5            |                |                |                |                |                |                |
| 34.0  | 42.7                             | 68.1                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| 36.0  | 38.2                             | 65.7                                   | 2.5            | 2.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 19.8  | 73.0                             | 79.0                                   |                | 11.7           |                |                |                |                |                |                |
| 20.0  | 72.8                             | 79.0                                   | 11.5           | 11.7           |                |                |                |                |                |                |
| 22.0  | 69.7                             | 78.3                                   | 10.5           | 10.5           |                |                |                |                |                |                |
| 24.0  | 66.6                             | 77.4                                   | 8.9            | 8.7            |                |                |                |                |                |                |
| 26.0  | 63.4                             | 76.5                                   | 7.3            | 7.3            |                |                |                |                |                |                |
| 28.0  | 60.2                             | 75.4                                   | 6.2            | 6.2            |                |                |                |                |                |                |
| 30.0  | 56.8                             | 74.1                                   | 5.3            | 5.3            |                |                |                |                |                |                |
| 32.0  | 53.2                             | 72.7                                   | 4.5            | 4.6            |                |                |                |                |                |                |
| 34.0  | 49.5                             | 71.0                                   | 3.9            | 4.0            |                |                |                |                |                |                |
| 36.0  | 45.6                             | 69.2                                   | 3.4            | 3.4            |                |                |                |                |                |                |
| 38.0  | 41.3                             | 67.0                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| 40.0  | 36.7                             | 64.5                                   | 2.5            | 2.5            |                |                |                |                |                |                |
| 42.0  | 31.4                             | 61.5                                   | 2.1            | 2.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 30.3  | 65.0                             | 75.8                                   |                | 7.2            |                |                |                |                |                |                |
| 32.0  | 62.3                             | 74.9                                   | 7.0            | 6.2            |                |                |                |                |                |                |
| 34.0  | 58.9                             | 73.8                                   | 5.9            | 5.2            |                |                |                |                |                |                |
| 36.0  | 55.5                             | 72.5                                   | 5.1            | 4.4            |                |                |                |                |                |                |
| 38.0  | 51.9                             | 71.0                                   | 4.3            | 3.6            |                |                |                |                |                |                |
| 40.0  | 48.1                             | 69.2                                   | 3.8            | 2.9            |                |                |                |                |                |                |
| 42.0  | 44.1                             | 67.3                                   | 3.1            | 2.3            |                |                |                |                |                |                |
| 44.0  | 40.1                             | 65.0                                   | 2.4            |                |                |                |                |                |                |                |
| 45.0  | 37.8                             | 63.7                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 86.5 m Plumín<br>43.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.7  | 78.0                             | 83.2                                   |                | 14.8           |                |                |                |                |                |                |
| 14.0  | 77.6                             | 83.2                                   | 15.1           | 14.8           |                |                |                |                |                |                |
| 16.0  | 74.9                             | 82.6                                   | 14.0           | 12.9           |                |                |                |                |                |                |
| 18.0  | 72.1                             | 82.0                                   | 11.2           | 10.5           |                |                |                |                |                |                |
| 20.0  | 69.3                             | 81.3                                   | 8.8            | 8.6            |                |                |                |                |                |                |
| 22.0  | 66.4                             | 80.5                                   | 7.2            | 7.2            |                |                |                |                |                |                |
| 24.0  | 63.4                             | 79.5                                   | 5.9            | 5.9            |                |                |                |                |                |                |
| 26.0  | 60.4                             | 78.4                                   | 5.0            | 5.0            |                |                |                |                |                |                |
| 28.0  | 57.2                             | 77.1                                   | 4.2            | 4.2            |                |                |                |                |                |                |
| 30.0  | 54.0                             | 75.7                                   | 3.5            | 3.6            |                |                |                |                |                |                |
| 32.0  | 50.5                             | 74.2                                   | 3.0            | 3.1            |                |                |                |                |                |                |
| 34.0  | 47.0                             | 72.4                                   | 2.5            | 2.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 20.7  | 73.0                             | 81.9                                   |                | 10.0           |                |                |                |                |                |                |
| 22.0  | 71.2                             | 81.5                                   | 9.6            | 9.8            |                |                |                |                |                |                |
| 24.0  | 68.3                             | 80.7                                   | 7.7            | 8.0            |                |                |                |                |                |                |
| 26.0  | 65.4                             | 79.8                                   | 6.4            | 6.7            |                |                |                |                |                |                |
| 28.0  | 62.4                             | 78.8                                   | 5.4            | 5.6            |                |                |                |                |                |                |
| 30.0  | 59.4                             | 77.7                                   | 4.6            | 4.8            |                |                |                |                |                |                |
| 32.0  | 56.2                             | 76.4                                   | 3.9            | 4.1            |                |                |                |                |                |                |
| 34.0  | 52.9                             | 74.9                                   | 3.3            | 3.5            |                |                |                |                |                |                |
| 36.0  | 49.4                             | 73.3                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| 38.0  | 45.8                             | 71.4                                   | 2.4            | 2.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 31.6  | 65.0                             | 78.5                                   | 5.8            | 6.0            |                |                |                |                |                |                |
| 32.0  | 64.4                             | 78.3                                   | 5.7            | 6.0            |                |                |                |                |                |                |
| 34.0  | 61.3                             | 77.3                                   | 5.2            | 5.3            |                |                |                |                |                |                |
| 36.0  | 58.2                             | 76.1                                   | 4.4            | 4.4            |                |                |                |                |                |                |
| 38.0  | 55.0                             | 74.7                                   | 3.8            | 3.7            |                |                |                |                |                |                |
| 40.0  | 51.6                             | 73.2                                   | 3.2            | 3.0            |                |                |                |                |                |                |
| 42.0  | 48.1                             | 71.5                                   | 2.8            | 2.3            |                |                |                |                |                |                |
| 44.0  | 44.7                             | 69.5                                   | 2.4            |                |                |                |                |                |                |                |
| 45.0  | 42.7                             | 68.5                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 89.5 m Plumín<br>46.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.4  | 78.0                             | 86.1                                   | 15.0           | 13.8           |                |                |                |                |                |                |
| 16.0  | 75.9                             | 85.8                                   | 14.2           | 13.1           |                |                |                |                |                |                |
| 18.0  | 73.3                             | 85.2                                   | 11.1           | 10.6           |                |                |                |                |                |                |
| 20.0  | 70.7                             | 84.5                                   | 8.7            | 8.6            |                |                |                |                |                |                |
| 22.0  | 68.0                             | 83.7                                   | 7.1            | 7.2            |                |                |                |                |                |                |
| 24.0  | 65.3                             | 82.8                                   | 5.9            | 5.9            |                |                |                |                |                |                |
| 26.0  | 62.5                             | 81.8                                   | 4.9            | 5.0            |                |                |                |                |                |                |
| 28.0  | 59.6                             | 80.7                                   | 4.2            | 4.2            |                |                |                |                |                |                |
| 30.0  | 56.7                             | 79.4                                   | 3.5            | 3.6            |                |                |                |                |                |                |
| 32.0  | 53.6                             | 78.0                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| 34.0  | 50.4                             | 76.4                                   | 2.5            | 2.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 21.6  | 73.0                             | 84.7                                   | 8.7            | 9.0            |                |                |                |                |                |                |
| 22.0  | 72.5                             | 84.6                                   | 8.7            | 9.0            |                |                |                |                |                |                |
| 24.0  | 69.8                             | 83.9                                   | 7.7            | 8.0            |                |                |                |                |                |                |
| 26.0  | 67.1                             | 83.1                                   | 6.4            | 6.7            |                |                |                |                |                |                |
| 28.0  | 64.4                             | 82.2                                   | 5.3            | 5.6            |                |                |                |                |                |                |
| 30.0  | 61.6                             | 81.1                                   | 4.6            | 4.8            |                |                |                |                |                |                |
| 32.0  | 58.7                             | 80.0                                   | 3.9            | 4.1            |                |                |                |                |                |                |
| 34.0  | 55.7                             | 78.6                                   | 3.3            | 3.5            |                |                |                |                |                |                |
| 36.0  | 52.6                             | 77.2                                   | 2.8            | 3.0            |                |                |                |                |                |                |
| 38.0  | 49.3                             | 75.5                                   | 2.4            | 2.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 32.8  | 65.0                             | 81.2                                   |                | 5.4            |                |                |                |                |                |                |
| 34.0  | 63.4                             | 80.7                                   | 5.2            | 5.2            |                |                |                |                |                |                |
| 36.0  | 60.5                             | 79.6                                   | 4.5            | 4.4            |                |                |                |                |                |                |
| 38.0  | 57.6                             | 78.3                                   | 3.9            | 3.6            |                |                |                |                |                |                |
| 40.0  | 54.6                             | 77.0                                   | 3.2            | 2.9            |                |                |                |                |                |                |
| 42.0  | 51.4                             | 75.4                                   | 2.8            | 2.3            |                |                |                |                |                |                |
| 44.0  | 48.4                             | 73.7                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 92.5 m Plumín<br>49.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 15.0  | 78.0                             | 89.1                                   | 11.4           | 12.5           |                |                |                |                |                |                |
| 16.0  | 76.8                             | 88.8                                   | 11.4           | 12.5           |                |                |                |                |                |                |
| 18.0  | 74.4                             | 88.3                                   | 10.1           | 10.3           |                |                |                |                |                |                |
| 20.0  | 71.9                             | 87.7                                   | 8.5            | 8.4            |                |                |                |                |                |                |
| 22.0  | 69.4                             | 87.0                                   | 6.9            | 7.0            |                |                |                |                |                |                |
| 24.0  | 66.9                             | 86.1                                   | 5.8            | 5.9            |                |                |                |                |                |                |
| 26.0  | 64.3                             | 85.2                                   | 4.8            | 4.9            |                |                |                |                |                |                |
| 28.0  | 61.7                             | 84.2                                   | 4.0            | 4.1            |                |                |                |                |                |                |
| 30.0  | 58.9                             | 83.0                                   | 3.4            | 3.5            |                |                |                |                |                |                |
| 32.0  | 56.2                             | 81.7                                   | 2.9            | 2.9            |                |                |                |                |                |                |
| 34.0  | 53.3                             | 80.2                                   | 2.4            | 2.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 22.5  | 73.0                             | 87.6                                   | 7.7            | 8.1            |                |                |                |                |                |                |
| 24.0  | 71.1                             | 87.1                                   | 7.5            | 7.8            |                |                |                |                |                |                |
| 26.0  | 68.6                             | 86.4                                   | 6.2            | 6.5            |                |                |                |                |                |                |
| 28.0  | 66.1                             | 85.5                                   | 5.3            | 5.5            |                |                |                |                |                |                |
| 30.0  | 63.5                             | 84.5                                   | 4.4            | 4.7            |                |                |                |                |                |                |
| 32.0  | 60.8                             | 83.4                                   | 3.8            | 4.0            |                |                |                |                |                |                |
| 34.0  | 58.1                             | 82.2                                   | 3.2            | 3.4            |                |                |                |                |                |                |
| 36.0  | 55.2                             | 80.9                                   | 2.7            | 2.8            |                |                |                |                |                |                |
| 38.0  | 52.3                             | 79.4                                   | 2.3            | 2.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 34.1  | 65.0                             | 83.9                                   |                | 4.7            |                |                |                |                |                |                |
| 36.0  | 62.5                             | 83.0                                   | 4.4            | 4.3            |                |                |                |                |                |                |
| 38.0  | 59.8                             | 81.9                                   | 3.7            | 3.6            |                |                |                |                |                |                |
| 40.0  | 57.1                             | 80.6                                   | 3.2            | 2.9            |                |                |                |                |                |                |
| 42.0  | 54.2                             | 79.2                                   | 2.7            | 2.3            |                |                |                |                |                |                |
| 44.0  | 51.4                             | 77.7                                   | 2.2            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 38.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 95.5 m Plumín<br>52.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 15.6  | 78.0                             | 92.0                                   | 9.0            | 10.1           |                |                |                |                |                |                |
| 16.0  | 77.6                             | 91.9                                   | 9.0            | 10.1           |                |                |                |                |                |                |
| 18.0  | 75.3                             | 91.4                                   | 8.3            | 9.3            |                |                |                |                |                |                |
| 20.0  | 73.0                             | 90.8                                   | 7.2            | 7.8            |                |                |                |                |                |                |
| 22.0  | 70.7                             | 90.2                                   | 6.0            | 6.3            |                |                |                |                |                |                |
| 24.0  | 68.3                             | 89.4                                   | 5.2            | 5.2            |                |                |                |                |                |                |
| 26.0  | 65.9                             | 88.5                                   | 4.2            | 4.3            |                |                |                |                |                |                |
| 28.0  | 63.4                             | 87.5                                   | 3.5            | 3.6            |                |                |                |                |                |                |
| 30.0  | 60.9                             | 86.5                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| 32.0  | 58.4                             | 85.3                                   | 2.4            | 2.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 23.3  | 73.0                             | 90.5                                   |                | 6.7            |                |                |                |                |                |                |
| 24.0  | 72.2                             | 90.3                                   | 6.4            | 6.7            |                |                |                |                |                |                |
| 26.0  | 69.9                             | 89.6                                   | 5.7            | 5.9            |                |                |                |                |                |                |
| 28.0  | 67.5                             | 88.8                                   | 4.8            | 5.0            |                |                |                |                |                |                |
| 30.0  | 65.1                             | 87.9                                   | 4.0            | 4.1            |                |                |                |                |                |                |
| 32.0  | 62.6                             | 86.9                                   | 3.3            | 3.5            |                |                |                |                |                |                |
| 34.0  | 60.1                             | 85.8                                   | 2.8            | 2.9            |                |                |                |                |                |                |
| 36.0  | 57.5                             | 84.5                                   | 2.3            | 2.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 35.4  | 65.0                             | 86.6                                   | 3.6            | 3.7            |                |                |                |                |                |                |
| 36.0  | 64.2                             | 86.4                                   | 3.6            | 3.7            |                |                |                |                |                |                |
| 38.0  | 61.7                             | 85.3                                   | 3.2            | 3.3            |                |                |                |                |                |                |
| 40.0  | 59.2                             | 84.2                                   | 2.7            | 2.8            |                |                |                |                |                |                |
| 42.0  | 56.6                             | 82.9                                   | 2.2            | 2.2            |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 32.5 m Plumín<br>13.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 7.6   | 78.0                             | 56.9                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 8.0   | 76.2                             | 56.8                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 9.0   | 71.5                             | 56.4                                   | 15.1           | 24.2           |                |                |                |                |                |                |
| 10.0  | 66.7                             | 56.0                                   | 15.1           | 18.1           |                |                |                |                |                |                |
| 11.0  | 61.7                             | 55.5                                   | 15.1           | 14.3           |                |                |                |                |                |                |
| 12.0  | 56.5                             | 54.8                                   | 12.8           | 11.8           |                |                |                |                |                |                |
| 13.0  | 50.8                             | 54.0                                   | 11.1           | 10.0           |                |                |                |                |                |                |
| 14.0  | 44.5                             | 53.1                                   | 9.3            | 8.6            |                |                |                |                |                |                |
| 16.0  | 28.6                             | 50.3                                   | 6.9            | 6.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 12.3  | 73.0                             | 56.2                                   |                | 25.7           |                |                |                |                |                |                |
| 13.0  | 69.7                             | 55.9                                   | 15.1           | 21.3           |                |                |                |                |                |                |
| 14.0  | 64.9                             | 55.5                                   | 15.1           | 16.3           |                |                |                |                |                |                |
| 16.0  | 54.4                             | 54.2                                   | 12.1           | 11.0           |                |                |                |                |                |                |
| 18.0  | 42.0                             | 52.3                                   | 8.7            | 8.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 19.7  | 65.0                             | 54.2                                   | 15.1           | 15.9           |                |                |                |                |                |                |
| 20.0  | 63.3                             | 54.1                                   | 15.1           | 15.2           |                |                |                |                |                |                |
| 22.0  | 52.6                             | 52.7                                   | 11.6           | 10.4           |                |                |                |                |                |                |
| 24.0  | 39.7                             | 50.7                                   | 8.2            | 7.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 28.3  | 55.0                             | 50.3                                   |                | 10.9           |                |                |                |                |                |                |
| 30.0  | 45.1                             | 48.9                                   | 8.1            | 8.6            |                |                |                |                |                |                |
| 32.0  | 29.5                             | 46.2                                   | 6.2            | 6.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 45.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 43.3  | 35.0                             | 38.4                                   | 2.2            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/ Pieza de articulación de pluma principal: 2821-1  
 Radio de descarga: 360 ° Cabeza de pluma principal: 2821-1  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 35.5 m Plumín<br>16.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 8.2   | 78.0                             | 59.8                                   |                | 30.1           |                |                |                |                |                |                |
| 9.0   | 75.1                             | 59.6                                   | 15.1           | 30.0           |                |                |                |                |                |                |
| 10.0  | 71.3                             | 59.3                                   | 15.1           | 24.3           |                |                |                |                |                |                |
| 11.0  | 67.5                             | 58.8                                   | 15.1           | 19.5           |                |                |                |                |                |                |
| 12.0  | 63.5                             | 58.4                                   | 15.1           | 16.0           |                |                |                |                |                |                |
| 13.0  | 59.3                             | 57.8                                   | 14.1           | 13.7           |                |                |                |                |                |                |
| 14.0  | 54.9                             | 57.1                                   | 12.5           | 11.9           |                |                |                |                |                |                |
| 16.0  | 45.3                             | 55.3                                   | 9.8            | 9.3            |                |                |                |                |                |                |
| 18.0  | 33.4                             | 52.8                                   | 7.7            | 7.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.2  | 73.0                             | 59.0                                   | 15.1           | 25.9           |                |                |                |                |                |                |
| 14.0  | 69.9                             | 58.7                                   | 15.1           | 22.1           |                |                |                |                |                |                |
| 16.0  | 61.9                             | 57.8                                   | 15.1           | 15.1           |                |                |                |                |                |                |
| 18.0  | 53.2                             | 56.4                                   | 12.0           | 11.2           |                |                |                |                |                |                |
| 20.0  | 43.2                             | 54.6                                   | 9.3            | 8.9            |                |                |                |                |                |                |
| 22.0  | 30.6                             | 51.8                                   | 7.4            | 7.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 20.9  | 65.0                             | 56.9                                   |                | 16.4           |                |                |                |                |                |                |
| 22.0  | 60.6                             | 56.4                                   | 15.0           | 14.2           |                |                |                |                |                |                |
| 24.0  | 51.8                             | 54.9                                   | 11.6           | 10.7           |                |                |                |                |                |                |
| 26.0  | 41.5                             | 53.0                                   | 8.8            | 8.6            |                |                |                |                |                |                |
| 28.0  | 28.1                             | 50.0                                   | 7.2            | 7.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 30.1  | 55.0                             | 52.8                                   |                | 10.0           |                |                |                |                |                |                |
| 32.0  | 45.7                             | 51.2                                   | 9.7            | 8.7            |                |                |                |                |                |                |
| 34.0  | 33.9                             | 48.7                                   | 7.6            | 7.5            |                |                |                |                |                |                |
| 36.0  | 18.1                             | 44.3                                   | 6.3            |                |                |                |                |                |                |                |



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 38.5 m Plumín<br>16.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 8.3   | 78.0                             | 59.8                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 9.0   | 75.3                             | 59.6                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 71.6                             | 59.3                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 67.7                             | 58.9                                   | 15.1           | 27.4           |                |                |                |                |                |                |
| 12.0  | 63.7                             | 58.4                                   | 15.1           | 22.7           |                |                |                |                |                |                |
| 13.0  | 59.5                             | 57.8                                   | 15.1           | 19.3           |                |                |                |                |                |                |
| 14.0  | 55.2                             | 57.1                                   | 15.1           | 16.5           |                |                |                |                |                |                |
| 16.0  | 45.5                             | 55.4                                   | 13.6           | 12.9           |                |                |                |                |                |                |
| 18.0  | 33.6                             | 52.8                                   | 11.1           | 10.5           |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.2  | 73.0                             | 59.0                                   |                | 30.1           |                |                |                |                |                |                |
| 14.0  | 70.1                             | 58.8                                   | 15.1           | 29.5           |                |                |                |                |                |                |
| 16.0  | 62.1                             | 57.8                                   | 15.1           | 21.2           |                |                |                |                |                |                |
| 18.0  | 53.4                             | 56.5                                   | 15.1           | 15.6           |                |                |                |                |                |                |
| 20.0  | 43.5                             | 54.6                                   | 12.9           | 12.3           |                |                |                |                |                |                |
| 22.0  | 30.9                             | 51.9                                   | 10.7           | 10.1           |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 21.0  | 65.0                             | 56.9                                   |                | 18.3           |                |                |                |                |                |                |
| 22.0  | 60.8                             | 56.4                                   | 15.1           | 16.7           |                |                |                |                |                |                |
| 24.0  | 52.0                             | 55.0                                   | 14.2           | 14.0           |                |                |                |                |                |                |
| 26.0  | 41.8                             | 53.0                                   | 11.4           | 11.7           |                |                |                |                |                |                |
| 28.0  | 28.4                             | 50.1                                   | 9.3            | 9.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 30.1  | 55.0                             | 52.8                                   |                | 7.5            |                |                |                |                |                |                |
| 32.0  | 46.0                             | 51.2                                   | 7.8            | 6.3            |                |                |                |                |                |                |
| 34.0  | 34.2                             | 48.7                                   | 6.5            | 5.1            |                |                |                |                |                |                |
| 36.0  | 15.0                             | 44.4                                   | 5.4            | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 38.5 m Plumín<br>19.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 8.8   | 78.0                             | 62.7                                   |                | 30.1           |                |                |                |                |                |                |
| 9.0   | 77.5                             | 62.7                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 74.4                             | 62.4                                   | 15.1           | 28.8           |                |                |                |                |                |                |
| 11.0  | 71.2                             | 62.1                                   | 15.1           | 23.7           |                |                |                |                |                |                |
| 12.0  | 68.0                             | 61.7                                   | 15.1           | 20.0           |                |                |                |                |                |                |
| 13.0  | 64.6                             | 61.2                                   | 15.1           | 17.1           |                |                |                |                |                |                |
| 14.0  | 61.2                             | 60.7                                   | 15.0           | 15.0           |                |                |                |                |                |                |
| 16.0  | 53.9                             | 59.3                                   | 12.7           | 11.8           |                |                |                |                |                |                |
| 18.0  | 45.8                             | 57.6                                   | 10.5           | 9.7            |                |                |                |                |                |                |
| 20.0  | 36.2                             | 55.2                                   | 8.4            | 8.1            |                |                |                |                |                |                |
| 22.0  | 23.1                             | 51.6                                   | 7.0            | 6.8            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.1  | 73.0                             | 61.9                                   | 15.1           | 25.2           |                |                |                |                |                |                |
| 16.0  | 66.7                             | 61.1                                   | 15.1           | 18.7           |                |                |                |                |                |                |
| 18.0  | 59.8                             | 60.1                                   | 14.1           | 14.3           |                |                |                |                |                |                |
| 20.0  | 52.4                             | 58.7                                   | 11.0           | 11.4           |                |                |                |                |                |                |
| 22.0  | 44.1                             | 56.8                                   | 8.9            | 9.4            |                |                |                |                |                |                |
| 24.0  | 34.1                             | 54.3                                   | 7.4            | 7.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 22.2  | 65.0                             | 59.6                                   |                | 16.6           |                |                |                |                |                |                |
| 24.0  | 58.7                             | 58.6                                   | 15.0           | 13.7           |                |                |                |                |                |                |
| 26.0  | 51.2                             | 57.2                                   | 12.1           | 11.0           |                |                |                |                |                |                |
| 28.0  | 42.7                             | 55.2                                   | 9.6            | 9.1            |                |                |                |                |                |                |
| 30.0  | 32.3                             | 52.5                                   | 7.9            | 7.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 31.8  | 55.0                             | 55.2                                   |                | 9.2            |                |                |                |                |                |                |
| 32.0  | 54.2                             | 55.2                                   | 10.5           | 9.0            |                |                |                |                |                |                |
| 34.0  | 46.1                             | 53.4                                   | 9.4            | 7.9            |                |                |                |                |                |                |
| 36.0  | 36.6                             | 51.1                                   | 8.4            | 6.9            |                |                |                |                |                |                |
| 38.0  | 23.8                             | 47.6                                   | 7.2            | 6.1            |                |                |                |                |                |                |
| 39.0  | 16.5                             | 44.7                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 41.5 m Plumín<br>19.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 8.9   | 78.0                             | 62.7                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 9.0   | 77.7                             | 62.7                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 74.6                             | 62.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 71.4                             | 62.1                                   | 15.1           | 30.0           |                |                |                |                |                |                |
| 12.0  | 68.1                             | 61.7                                   | 15.1           | 28.0           |                |                |                |                |                |                |
| 13.0  | 64.8                             | 61.2                                   | 15.1           | 23.6           |                |                |                |                |                |                |
| 14.0  | 61.4                             | 60.7                                   | 15.1           | 20.5           |                |                |                |                |                |                |
| 16.0  | 54.1                             | 59.4                                   | 15.1           | 15.9           |                |                |                |                |                |                |
| 18.0  | 46.0                             | 57.6                                   | 13.7           | 12.8           |                |                |                |                |                |                |
| 20.0  | 36.4                             | 55.2                                   | 11.2           | 10.4           |                |                |                |                |                |                |
| 22.0  | 23.4                             | 51.7                                   | 9.1            | 8.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.1  | 73.0                             | 61.9                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 16.0  | 66.9                             | 61.2                                   | 15.1           | 26.2           |                |                |                |                |                |                |
| 18.0  | 60.0                             | 60.1                                   | 15.1           | 19.5           |                |                |                |                |                |                |
| 20.0  | 52.6                             | 58.7                                   | 15.1           | 15.2           |                |                |                |                |                |                |
| 22.0  | 44.3                             | 56.9                                   | 13.0           | 12.3           |                |                |                |                |                |                |
| 24.0  | 34.3                             | 54.3                                   | 11.0           | 10.2           |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 22.3  | 65.0                             | 59.6                                   | 15.1           | 16.5           |                |                |                |                |                |                |
| 24.0  | 58.9                             | 58.7                                   | 15.1           | 14.3           |                |                |                |                |                |                |
| 26.0  | 51.4                             | 57.2                                   | 15.1           | 12.2           |                |                |                |                |                |                |
| 28.0  | 42.9                             | 55.3                                   | 12.9           | 10.5           |                |                |                |                |                |                |
| 30.0  | 32.5                             | 52.6                                   | 10.8           | 9.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 31.8  | 55.0                             | 55.2                                   |                | 6.4            |                |                |                |                |                |                |
| 32.0  | 54.4                             | 55.2                                   | 7.5            | 6.3            |                |                |                |                |                |                |
| 34.0  | 46.3                             | 53.5                                   | 6.4            | 5.2            |                |                |                |                |                |                |
| 36.0  | 36.8                             | 51.1                                   | 5.3            | 4.2            |                |                |                |                |                |                |
| 38.0  | 24.1                             | 47.7                                   | 4.3            | 3.4            |                |                |                |                |                |                |
| 39.0  | 17.0                             | 44.8                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 41.5 m Plumín<br>22.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 9.5   | 78.0                             | 65.7                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 76.6                             | 65.5                                   | 15.1           | 29.7           |                |                |                |                |                |                |
| 11.0  | 73.9                             | 65.3                                   | 15.1           | 24.6           |                |                |                |                |                |                |
| 12.0  | 71.1                             | 64.9                                   | 15.1           | 20.4           |                |                |                |                |                |                |
| 13.0  | 68.3                             | 64.5                                   | 15.1           | 17.7           |                |                |                |                |                |                |
| 14.0  | 65.5                             | 64.1                                   | 15.1           | 15.4           |                |                |                |                |                |                |
| 16.0  | 59.5                             | 63.0                                   | 13.9           | 12.3           |                |                |                |                |                |                |
| 18.0  | 53.1                             | 61.6                                   | 10.9           | 10.1           |                |                |                |                |                |                |
| 20.0  | 46.1                             | 59.8                                   | 8.9            | 8.5            |                |                |                |                |                |                |
| 22.0  | 38.1                             | 57.5                                   | 7.3            | 7.2            |                |                |                |                |                |                |
| 24.0  | 28.0                             | 54.4                                   | 6.3            | 6.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.9  | 73.0                             | 64.8                                   |                | 21.8           |                |                |                |                |                |                |
| 16.0  | 70.1                             | 64.4                                   | 15.1           | 19.2           |                |                |                |                |                |                |
| 18.0  | 64.4                             | 63.5                                   | 15.1           | 14.7           |                |                |                |                |                |                |
| 20.0  | 58.3                             | 62.4                                   | 13.2           | 11.8           |                |                |                |                |                |                |
| 22.0  | 51.8                             | 60.9                                   | 10.5           | 9.8            |                |                |                |                |                |                |
| 24.0  | 44.7                             | 59.1                                   | 8.6            | 8.2            |                |                |                |                |                |                |
| 26.0  | 36.4                             | 56.6                                   | 7.1            | 7.0            |                |                |                |                |                |                |
| 28.0  | 25.7                             | 53.3                                   | 6.1            | 6.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 23.5  | 65.0                             | 62.3                                   | 15.1           | 14.6           |                |                |                |                |                |                |
| 24.0  | 63.4                             | 62.1                                   | 15.1           | 14.2           |                |                |                |                |                |                |
| 26.0  | 57.3                             | 60.9                                   | 12.8           | 11.5           |                |                |                |                |                |                |
| 28.0  | 50.8                             | 59.4                                   | 10.1           | 9.5            |                |                |                |                |                |                |
| 30.0  | 43.5                             | 57.5                                   | 8.3            | 8.0            |                |                |                |                |                |                |
| 32.0  | 34.9                             | 55.0                                   | 6.9            | 6.8            |                |                |                |                |                |                |
| 34.0  | 23.6                             | 51.3                                   | 6.0            | 5.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 33.5  | 55.0                             | 57.7                                   |                | 8.1            |                |                |                |                |                |                |
| 34.0  | 53.4                             | 57.4                                   | 9.2            | 7.9            |                |                |                |                |                |                |
| 36.0  | 46.4                             | 55.7                                   | 8.2            | 7.0            |                |                |                |                |                |                |
| 38.0  | 38.4                             | 53.4                                   | 7.3            | 6.1            |                |                |                |                |                |                |
| 40.0  | 28.5                             | 50.3                                   | 6.4            | 5.4            |                |                |                |                |                |                |
| 42.0  | 15.2                             | 45.1                                   | 5.5            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 44.5 m Plumín<br>22.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 9.5   | 78.0                             | 65.7                                   |                | 30.1           |                |                |                |                |                |                |
| 10.0  | 76.7                             | 65.6                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 74.0                             | 65.3                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 71.3                             | 64.9                                   | 15.1           | 27.4           |                |                |                |                |                |                |
| 13.0  | 68.5                             | 64.5                                   | 15.1           | 24.8           |                |                |                |                |                |                |
| 14.0  | 65.6                             | 64.1                                   | 15.1           | 21.3           |                |                |                |                |                |                |
| 16.0  | 59.7                             | 63.0                                   | 14.9           | 16.7           |                |                |                |                |                |                |
| 18.0  | 53.3                             | 61.6                                   | 14.2           | 13.6           |                |                |                |                |                |                |
| 20.0  | 46.3                             | 59.9                                   | 12.3           | 11.3           |                |                |                |                |                |                |
| 22.0  | 38.3                             | 57.6                                   | 9.9            | 9.4            |                |                |                |                |                |                |
| 24.0  | 28.2                             | 54.5                                   | 8.2            | 8.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 15.0  | 73.0                             | 64.8                                   |                | 30.1           |                |                |                |                |                |                |
| 16.0  | 70.2                             | 64.4                                   | 15.1           | 27.1           |                |                |                |                |                |                |
| 18.0  | 64.5                             | 63.5                                   | 15.1           | 20.2           |                |                |                |                |                |                |
| 20.0  | 58.5                             | 62.4                                   | 14.8           | 16.0           |                |                |                |                |                |                |
| 22.0  | 52.0                             | 60.9                                   | 14.3           | 13.1           |                |                |                |                |                |                |
| 24.0  | 44.9                             | 59.1                                   | 11.9           | 10.9           |                |                |                |                |                |                |
| 26.0  | 36.6                             | 56.7                                   | 9.6            | 9.2            |                |                |                |                |                |                |
| 28.0  | 25.9                             | 53.3                                   | 8.0            | 7.8            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 23.5  | 65.0                             | 62.4                                   |                | 15.2           |                |                |                |                |                |                |
| 24.0  | 63.6                             | 62.2                                   | 15.1           | 14.6           |                |                |                |                |                |                |
| 26.0  | 57.5                             | 61.0                                   | 14.7           | 12.6           |                |                |                |                |                |                |
| 28.0  | 50.9                             | 59.5                                   | 12.4           | 10.9           |                |                |                |                |                |                |
| 30.0  | 43.6                             | 57.5                                   | 10.2           | 9.4            |                |                |                |                |                |                |
| 32.0  | 35.1                             | 55.0                                   | 8.5            | 8.2            |                |                |                |                |                |                |
| 34.0  | 23.8                             | 51.4                                   | 7.2            | 7.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 33.6  | 55.0                             | 57.7                                   |                | 5.6            |                |                |                |                |                |                |
| 34.0  | 53.6                             | 57.4                                   | 6.4            | 5.4            |                |                |                |                |                |                |
| 36.0  | 46.6                             | 55.7                                   | 5.4            | 4.5            |                |                |                |                |                |                |
| 38.0  | 38.6                             | 53.5                                   | 4.5            | 3.6            |                |                |                |                |                |                |
| 40.0  | 28.7                             | 50.4                                   | 3.7            | 2.9            |                |                |                |                |                |                |
| 42.0  | 15.7                             | 45.2                                   | 2.9            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 44.5 m Plumín<br>25.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.1  | 78.0                             | 68.6                                   | 15.1           | 27.6           |                |                |                |                |                |                |
| 11.0  | 75.9                             | 68.4                                   | 15.1           | 24.9           |                |                |                |                |                |                |
| 12.0  | 73.5                             | 68.1                                   | 15.1           | 21.1           |                |                |                |                |                |                |
| 13.0  | 71.0                             | 67.7                                   | 15.1           | 18.1           |                |                |                |                |                |                |
| 14.0  | 68.6                             | 67.3                                   | 15.0           | 16.0           |                |                |                |                |                |                |
| 16.0  | 63.5                             | 66.4                                   | 13.6           | 12.7           |                |                |                |                |                |                |
| 18.0  | 58.2                             | 65.2                                   | 11.5           | 10.5           |                |                |                |                |                |                |
| 20.0  | 52.5                             | 63.8                                   | 9.1            | 8.8            |                |                |                |                |                |                |
| 22.0  | 46.4                             | 62.0                                   | 7.7            | 7.5            |                |                |                |                |                |                |
| 24.0  | 39.4                             | 59.8                                   | 6.5            | 6.5            |                |                |                |                |                |                |
| 26.0  | 31.2                             | 57.0                                   | 5.6            | 5.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 15.8  | 73.0                             | 67.6                                   |                | 19.3           |                |                |                |                |                |                |
| 16.0  | 72.6                             | 67.6                                   | 15.1           | 19.3           |                |                |                |                |                |                |
| 18.0  | 67.6                             | 66.8                                   | 15.0           | 15.3           |                |                |                |                |                |                |
| 20.0  | 62.5                             | 65.8                                   | 13.4           | 12.2           |                |                |                |                |                |                |
| 22.0  | 57.2                             | 64.6                                   | 10.9           | 10.1           |                |                |                |                |                |                |
| 24.0  | 51.4                             | 63.1                                   | 8.8            | 8.6            |                |                |                |                |                |                |
| 26.0  | 45.1                             | 61.3                                   | 7.5            | 7.3            |                |                |                |                |                |                |
| 28.0  | 38.0                             | 59.0                                   | 6.3            | 6.3            |                |                |                |                |                |                |
| 30.0  | 29.4                             | 55.9                                   | 5.5            | 5.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 24.7  | 65.0                             | 65.1                                   |                | 13.0           |                |                |                |                |                |                |
| 26.0  | 61.7                             | 64.4                                   | 13.2           | 11.8           |                |                |                |                |                |                |
| 28.0  | 56.3                             | 63.2                                   | 10.5           | 9.8            |                |                |                |                |                |                |
| 30.0  | 50.5                             | 61.6                                   | 8.5            | 8.4            |                |                |                |                |                |                |
| 32.0  | 44.1                             | 59.7                                   | 7.2            | 7.1            |                |                |                |                |                |                |
| 34.0  | 36.8                             | 57.3                                   | 6.2            | 6.2            |                |                |                |                |                |                |
| 36.0  | 27.8                             | 54.1                                   | 5.4            | 5.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 35.2  | 55.0                             | 60.1                                   |                | 7.4            |                |                |                |                |                |                |
| 36.0  | 52.8                             | 59.7                                   | 8.1            | 7.0            |                |                |                |                |                |                |
| 38.0  | 46.6                             | 57.9                                   | 7.3            | 6.2            |                |                |                |                |                |                |
| 40.0  | 39.7                             | 55.7                                   | 6.5            | 5.5            |                |                |                |                |                |                |
| 42.0  | 31.6                             | 52.9                                   | 5.7            | 4.8            |                |                |                |                |                |                |
| 44.0  | 20.5                             | 48.7                                   | 5.0            | 4.3            |                |                |                |                |                |                |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 47.5 m Plumín<br>25.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.1  | 78.0                             | 68.6                                   |                | 30.1           |                |                |                |                |                |                |
| 11.0  | 76.0                             | 68.4                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 73.6                             | 68.1                                   | 15.1           | 29.4           |                |                |                |                |                |                |
| 13.0  | 71.2                             | 67.8                                   | 15.1           | 25.1           |                |                |                |                |                |                |
| 14.0  | 68.7                             | 67.4                                   | 15.1           | 22.2           |                |                |                |                |                |                |
| 16.0  | 63.7                             | 66.4                                   | 15.1           | 17.2           |                |                |                |                |                |                |
| 18.0  | 58.3                             | 65.3                                   | 13.4           | 14.1           |                |                |                |                |                |                |
| 20.0  | 52.7                             | 63.9                                   | 11.2           | 11.7           |                |                |                |                |                |                |
| 22.0  | 46.5                             | 62.1                                   | 9.4            | 9.9            |                |                |                |                |                |                |
| 24.0  | 39.6                             | 59.9                                   | 7.8            | 8.3            |                |                |                |                |                |                |
| 26.0  | 31.4                             | 57.0                                   | 6.7            | 7.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 15.9  | 73.0                             | 67.6                                   | 15.1           | 26.8           |                |                |                |                |                |                |
| 16.0  | 72.7                             | 67.6                                   | 15.1           | 26.8           |                |                |                |                |                |                |
| 18.0  | 67.8                             | 66.9                                   | 15.1           | 21.1           |                |                |                |                |                |                |
| 20.0  | 62.7                             | 65.9                                   | 15.1           | 16.5           |                |                |                |                |                |                |
| 22.0  | 57.3                             | 64.7                                   | 13.6           | 13.5           |                |                |                |                |                |                |
| 24.0  | 51.6                             | 63.2                                   | 12.1           | 11.3           |                |                |                |                |                |                |
| 26.0  | 45.3                             | 61.3                                   | 10.0           | 9.6            |                |                |                |                |                |                |
| 28.0  | 38.2                             | 59.0                                   | 8.3            | 8.1            |                |                |                |                |                |                |
| 30.0  | 29.6                             | 56.0                                   | 7.0            | 7.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 24.8  | 65.0                             | 65.1                                   |                | 13.7           |                |                |                |                |                |                |
| 26.0  | 61.9                             | 64.5                                   | 14.9           | 12.6           |                |                |                |                |                |                |
| 28.0  | 56.4                             | 63.2                                   | 13.1           | 10.9           |                |                |                |                |                |                |
| 30.0  | 50.6                             | 61.7                                   | 11.6           | 9.4            |                |                |                |                |                |                |
| 32.0  | 44.2                             | 59.8                                   | 9.8            | 8.2            |                |                |                |                |                |                |
| 34.0  | 36.9                             | 57.4                                   | 8.1            | 7.1            |                |                |                |                |                |                |
| 36.0  | 28.0                             | 54.2                                   | 7.0            | 6.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 35.3  | 55.0                             | 60.1                                   |                | 4.6            |                |                |                |                |                |                |
| 36.0  | 52.9                             | 59.7                                   | 5.1            | 4.3            |                |                |                |                |                |                |
| 38.0  | 46.8                             | 57.9                                   | 4.2            | 3.5            |                |                |                |                |                |                |
| 40.0  | 39.9                             | 55.8                                   | 3.4            | 2.8            |                |                |                |                |                |                |
| 42.0  | 31.8                             | 52.9                                   | 2.7            | 2.2            |                |                |                |                |                |                |
| 44.0  | 22.3                             | 48.8                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 47.5 m Plumín<br>28.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.7  | 78.0                             | 71.5                                   |                | 30.1           |                |                |                |                |                |                |
| 11.0  | 77.4                             | 71.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 75.3                             | 71.2                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 13.0  | 73.2                             | 70.9                                   | 15.1           | 28.9           |                |                |                |                |                |                |
| 14.0  | 71.0                             | 70.6                                   | 15.1           | 25.6           |                |                |                |                |                |                |
| 16.0  | 66.6                             | 69.7                                   | 15.1           | 20.9           |                |                |                |                |                |                |
| 18.0  | 62.0                             | 68.7                                   | 15.1           | 17.5           |                |                |                |                |                |                |
| 20.0  | 57.2                             | 67.5                                   | 14.4           | 15.1           |                |                |                |                |                |                |
| 22.0  | 52.1                             | 66.1                                   | 13.7           | 13.2           |                |                |                |                |                |                |
| 24.0  | 46.6                             | 64.3                                   | 12.4           | 11.8           |                |                |                |                |                |                |
| 26.0  | 40.5                             | 62.1                                   | 10.9           | 10.5           |                |                |                |                |                |                |
| 28.0  | 33.4                             | 59.4                                   | 9.6            | 9.6            |                |                |                |                |                |                |
| 30.0  | 24.6                             | 55.8                                   | 8.7            | 8.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 16.7  | 73.0                             | 70.5                                   | 15.1           | 27.3           |                |                |                |                |                |                |
| 18.0  | 70.2                             | 70.1                                   | 15.1           | 24.7           |                |                |                |                |                |                |
| 20.0  | 65.7                             | 69.2                                   | 15.1           | 20.1           |                |                |                |                |                |                |
| 22.0  | 61.1                             | 68.2                                   | 15.1           | 17.0           |                |                |                |                |                |                |
| 24.0  | 56.2                             | 66.9                                   | 14.4           | 14.7           |                |                |                |                |                |                |
| 26.0  | 51.1                             | 65.4                                   | 13.9           | 13.0           |                |                |                |                |                |                |
| 28.0  | 45.5                             | 63.5                                   | 12.1           | 11.5           |                |                |                |                |                |                |
| 30.0  | 39.2                             | 61.3                                   | 10.6           | 10.3           |                |                |                |                |                |                |
| 32.0  | 32.0                             | 58.4                                   | 9.5            | 9.4            |                |                |                |                |                |                |
| 34.0  | 22.6                             | 54.5                                   | 8.6            | 8.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 26.0  | 65.0                             | 67.8                                   |                | 15.2           |                |                |                |                |                |                |
| 28.0  | 60.3                             | 66.7                                   | 15.1           | 13.5           |                |                |                |                |                |                |
| 30.0  | 55.4                             | 65.4                                   | 14.1           | 12.1           |                |                |                |                |                |                |
| 32.0  | 50.2                             | 63.9                                   | 12.8           | 10.8           |                |                |                |                |                |                |
| 34.0  | 44.5                             | 62.0                                   | 11.6           | 9.8            |                |                |                |                |                |                |
| 36.0  | 38.2                             | 59.7                                   | 10.4           | 8.8            |                |                |                |                |                |                |
| 38.0  | 30.7                             | 56.7                                   | 9.4            | 7.9            |                |                |                |                |                |                |
| 40.0  | 20.7                             | 52.5                                   | 8.5            | 7.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 37.0  | 55.0                             | 62.6                                   |                | 6.5            |                |                |                |                |                |                |
| 38.0  | 52.3                             | 61.9                                   | 7.0            | 6.1            |                |                |                |                |                |                |
| 40.0  | 46.8                             | 60.1                                   | 6.2            | 5.4            |                |                |                |                |                |                |
| 42.0  | 40.7                             | 58.0                                   | 5.6            | 4.8            |                |                |                |                |                |                |
| 44.0  | 33.8                             | 55.3                                   | 4.9            | 4.2            |                |                |                |                |                |                |
| 46.0  | 25.1                             | 51.7                                   | 4.4            | 3.7            |                |                |                |                |                |                |
| 47.0  | 19.3                             | 49.3                                   | 4.1            | 3.4            |                |                |                |                |                |                |



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 50.5 m Plumín<br>19.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 8.8   | 78.0                             | 62.7                                   |                | 30.1           |                |                |                |                |                |                |
| 9.0   | 77.5                             | 62.7                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 74.4                             | 62.4                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 71.2                             | 62.1                                   | 15.1           | 27.9           |                |                |                |                |                |                |
| 12.0  | 68.0                             | 61.7                                   | 15.1           | 25.1           |                |                |                |                |                |                |
| 13.0  | 64.6                             | 61.2                                   | 15.1           | 21.3           |                |                |                |                |                |                |
| 14.0  | 61.2                             | 60.7                                   | 15.1           | 18.6           |                |                |                |                |                |                |
| 16.0  | 53.9                             | 59.3                                   | 15.0           | 14.6           |                |                |                |                |                |                |
| 18.0  | 45.8                             | 57.6                                   | 13.3           | 11.9           |                |                |                |                |                |                |
| 20.0  | 36.2                             | 55.2                                   | 10.5           | 9.7            |                |                |                |                |                |                |
| 22.0  | 23.1                             | 51.6                                   | 8.6            | 8.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.1  | 73.0                             | 61.9                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 16.0  | 66.7                             | 61.1                                   | 15.1           | 23.6           |                |                |                |                |                |                |
| 18.0  | 59.8                             | 60.1                                   | 15.1           | 17.7           |                |                |                |                |                |                |
| 20.0  | 52.4                             | 58.7                                   | 15.1           | 14.0           |                |                |                |                |                |                |
| 22.0  | 44.1                             | 56.8                                   | 12.7           | 11.4           |                |                |                |                |                |                |
| 24.0  | 34.1                             | 54.3                                   | 10.1           | 9.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 22.2  | 65.0                             | 59.6                                   |                | 15.9           |                |                |                |                |                |                |
| 24.0  | 58.7                             | 58.6                                   | 15.1           | 13.6           |                |                |                |                |                |                |
| 26.0  | 51.2                             | 57.2                                   | 14.8           | 11.5           |                |                |                |                |                |                |
| 28.0  | 42.7                             | 55.2                                   | 12.3           | 9.8            |                |                |                |                |                |                |
| 30.0  | 32.3                             | 52.5                                   | 9.9            | 8.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 31.8  | 55.0                             | 55.2                                   |                | 6.6            |                |                |                |                |                |                |
| 32.0  | 54.2                             | 55.2                                   | 8.3            | 6.4            |                |                |                |                |                |                |
| 34.0  | 46.1                             | 53.4                                   | 7.0            | 5.3            |                |                |                |                |                |                |
| 36.0  | 36.6                             | 51.1                                   | 5.9            | 4.4            |                |                |                |                |                |                |
| 38.0  | 23.8                             | 47.6                                   | 4.9            | 3.5            |                |                |                |                |                |                |
| 39.0  | 16.5                             | 44.7                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 50.5 m Plumín<br>28.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.8  | 78.0                             | 71.6                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 77.5                             | 71.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 75.4                             | 71.2                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 13.0  | 73.3                             | 70.9                                   | 15.1           | 29.9           |                |                |                |                |                |                |
| 14.0  | 71.1                             | 70.6                                   | 15.1           | 29.0           |                |                |                |                |                |                |
| 16.0  | 66.7                             | 69.8                                   | 15.1           | 25.0           |                |                |                |                |                |                |
| 18.0  | 62.1                             | 68.8                                   | 15.1           | 20.6           |                |                |                |                |                |                |
| 20.0  | 57.3                             | 67.6                                   | 15.1           | 17.4           |                |                |                |                |                |                |
| 22.0  | 52.2                             | 66.1                                   | 15.1           | 15.0           |                |                |                |                |                |                |
| 24.0  | 46.7                             | 64.3                                   | 13.9           | 13.2           |                |                |                |                |                |                |
| 26.0  | 40.6                             | 62.2                                   | 12.0           | 11.6           |                |                |                |                |                |                |
| 28.0  | 33.6                             | 59.5                                   | 10.5           | 10.3           |                |                |                |                |                |                |
| 30.0  | 24.8                             | 55.8                                   | 9.3            | 9.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 16.7  | 73.0                             | 70.5                                   |                | 27.8           |                |                |                |                |                |                |
| 18.0  | 70.3                             | 70.1                                   | 15.1           | 25.2           |                |                |                |                |                |                |
| 20.0  | 65.8                             | 69.2                                   | 15.1           | 21.6           |                |                |                |                |                |                |
| 22.0  | 61.2                             | 68.2                                   | 15.1           | 18.7           |                |                |                |                |                |                |
| 24.0  | 56.4                             | 66.9                                   | 15.1           | 16.4           |                |                |                |                |                |                |
| 26.0  | 51.2                             | 65.4                                   | 15.1           | 14.4           |                |                |                |                |                |                |
| 28.0  | 45.6                             | 63.6                                   | 13.3           | 12.7           |                |                |                |                |                |                |
| 30.0  | 39.4                             | 61.3                                   | 11.7           | 11.2           |                |                |                |                |                |                |
| 32.0  | 32.1                             | 58.5                                   | 10.4           | 10.0           |                |                |                |                |                |                |
| 34.0  | 22.7                             | 54.6                                   | 9.1            | 8.8            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 26.1  | 65.0                             | 67.8                                   | 14.5           | 12.5           |                |                |                |                |                |                |
| 28.0  | 60.5                             | 66.8                                   | 12.9           | 10.9           |                |                |                |                |                |                |
| 30.0  | 55.6                             | 65.5                                   | 11.3           | 9.5            |                |                |                |                |                |                |
| 32.0  | 50.4                             | 63.9                                   | 10.0           | 8.3            |                |                |                |                |                |                |
| 34.0  | 44.7                             | 62.0                                   | 8.8            | 7.2            |                |                |                |                |                |                |
| 36.0  | 38.3                             | 59.7                                   | 7.7            | 6.2            |                |                |                |                |                |                |
| 38.0  | 30.8                             | 56.8                                   | 6.8            | 5.4            |                |                |                |                |                |                |
| 40.0  | 20.9                             | 52.6                                   | 5.9            | 4.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 37.0  | 55.0                             | 62.6                                   |                | 3.8            |                |                |                |                |                |                |
| 38.0  | 52.4                             | 61.9                                   | 4.1            | 3.4            |                |                |                |                |                |                |
| 40.0  | 46.9                             | 60.2                                   | 3.3            | 2.8            |                |                |                |                |                |                |
| 42.0  | 40.9                             | 58.0                                   | 2.6            | 2.2            |                |                |                |                |                |                |
| 43.0  | 38.2                             | 56.8                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 53.5 m Plumín<br>22.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 9.5   | 78.0                             | 65.7                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 76.6                             | 65.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 73.9                             | 65.3                                   | 15.1           | 27.8           |                |                |                |                |                |                |
| 12.0  | 71.1                             | 64.9                                   | 15.1           | 23.4           |                |                |                |                |                |                |
| 13.0  | 68.3                             | 64.5                                   | 15.1           | 20.2           |                |                |                |                |                |                |
| 14.0  | 65.5                             | 64.1                                   | 15.1           | 17.5           |                |                |                |                |                |                |
| 16.0  | 59.5                             | 63.0                                   | 14.4           | 13.9           |                |                |                |                |                |                |
| 18.0  | 53.1                             | 61.6                                   | 11.9           | 11.1           |                |                |                |                |                |                |
| 20.0  | 46.1                             | 59.8                                   | 9.8            | 9.2            |                |                |                |                |                |                |
| 22.0  | 38.1                             | 57.5                                   | 7.9            | 7.7            |                |                |                |                |                |                |
| 24.0  | 28.0                             | 54.4                                   | 6.6            | 6.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.9  | 73.0                             | 64.8                                   |                | 24.2           |                |                |                |                |                |                |
| 16.0  | 70.1                             | 64.4                                   | 15.1           | 22.1           |                |                |                |                |                |                |
| 18.0  | 64.4                             | 63.5                                   | 15.1           | 16.6           |                |                |                |                |                |                |
| 20.0  | 58.3                             | 62.4                                   | 13.9           | 13.3           |                |                |                |                |                |                |
| 22.0  | 51.8                             | 60.9                                   | 11.6           | 10.8           |                |                |                |                |                |                |
| 24.0  | 44.7                             | 59.1                                   | 9.5            | 8.9            |                |                |                |                |                |                |
| 26.0  | 36.4                             | 56.6                                   | 7.6            | 7.5            |                |                |                |                |                |                |
| 28.0  | 25.7                             | 53.3                                   | 6.5            | 6.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 23.5  | 65.0                             | 62.3                                   | 15.1           | 14.5           |                |                |                |                |                |                |
| 24.0  | 63.4                             | 62.1                                   | 15.1           | 13.9           |                |                |                |                |                |                |
| 26.0  | 57.3                             | 60.9                                   | 14.6           | 11.9           |                |                |                |                |                |                |
| 28.0  | 50.8                             | 59.4                                   | 11.4           | 10.2           |                |                |                |                |                |                |
| 30.0  | 43.5                             | 57.5                                   | 9.2            | 8.7            |                |                |                |                |                |                |
| 32.0  | 34.9                             | 55.0                                   | 7.5            | 7.4            |                |                |                |                |                |                |
| 34.0  | 23.6                             | 51.3                                   | 6.4            | 6.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 33.5  | 55.0                             | 57.7                                   |                | 5.7            |                |                |                |                |                |                |
| 34.0  | 53.4                             | 57.4                                   | 6.9            | 5.5            |                |                |                |                |                |                |
| 36.0  | 46.4                             | 55.7                                   | 5.9            | 4.5            |                |                |                |                |                |                |
| 38.0  | 38.4                             | 53.4                                   | 4.9            | 3.7            |                |                |                |                |                |                |
| 40.0  | 28.5                             | 50.3                                   | 4.1            | 3.0            |                |                |                |                |                |                |
| 42.0  | 15.2                             | 45.1                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (2316-1) 53.5 m Plumín<br>31.0 [ m ] Posición midfall (2316) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.4  | 78.0                             | 74.5                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 12.0  | 76.9                             | 74.4                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 13.0  | 74.9                             | 74.1                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 14.0  | 73.0                             | 73.8                                   | 15.1           | 28.7           |                |                |                |                |                |                |
| 16.0  | 69.1                             | 73.0                                   | 15.1           | 23.9           |                |                |                |                |                |                |
| 18.0  | 65.0                             | 72.2                                   | 15.1           | 19.5           |                |                |                |                |                |                |
| 20.0  | 60.8                             | 71.1                                   | 15.0           | 16.5           |                |                |                |                |                |                |
| 22.0  | 56.5                             | 69.8                                   | 13.8           | 14.2           |                |                |                |                |                |                |
| 24.0  | 51.8                             | 68.3                                   | 12.8           | 12.4           |                |                |                |                |                |                |
| 26.0  | 46.9                             | 66.6                                   | 11.4           | 11.0           |                |                |                |                |                |                |
| 28.0  | 41.4                             | 64.5                                   | 9.8            | 9.6            |                |                |                |                |                |                |
| 30.0  | 35.3                             | 61.9                                   | 8.5            | 8.6            |                |                |                |                |                |                |
| 32.0  | 28.0                             | 58.6                                   | 7.6            | 7.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 17.6  | 73.0                             | 73.4                                   |                | 25.8           |                |                |                |                |                |                |
| 18.0  | 72.3                             | 73.3                                   | 15.1           | 25.0           |                |                |                |                |                |                |
| 20.0  | 68.3                             | 72.5                                   | 15.1           | 21.5           |                |                |                |                |                |                |
| 22.0  | 64.2                             | 71.6                                   | 15.1           | 18.7           |                |                |                |                |                |                |
| 24.0  | 60.0                             | 70.5                                   | 14.8           | 16.1           |                |                |                |                |                |                |
| 26.0  | 55.6                             | 69.2                                   | 13.7           | 13.8           |                |                |                |                |                |                |
| 28.0  | 50.9                             | 67.7                                   | 12.9           | 12.1           |                |                |                |                |                |                |
| 30.0  | 45.9                             | 65.8                                   | 11.1           | 10.7           |                |                |                |                |                |                |
| 32.0  | 40.3                             | 63.6                                   | 9.6            | 9.5            |                |                |                |                |                |                |
| 34.0  | 34.0                             | 60.9                                   | 8.4            | 8.5            |                |                |                |                |                |                |
| 36.0  | 26.3                             | 57.5                                   | 7.5            | 7.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 27.3  | 65.0                             | 70.5                                   |                | 11.2           |                |                |                |                |                |                |
| 28.0  | 63.6                             | 70.2                                   | 12.4           | 10.7           |                |                |                |                |                |                |
| 30.0  | 59.3                             | 69.1                                   | 10.9           | 9.3            |                |                |                |                |                |                |
| 32.0  | 54.9                             | 67.7                                   | 9.6            | 8.1            |                |                |                |                |                |                |
| 34.0  | 50.1                             | 66.2                                   | 8.5            | 7.1            |                |                |                |                |                |                |
| 36.0  | 45.0                             | 64.3                                   | 7.4            | 6.1            |                |                |                |                |                |                |
| 38.0  | 39.4                             | 62.0                                   | 6.5            | 5.3            |                |                |                |                |                |                |
| 40.0  | 32.9                             | 59.2                                   | 5.6            | 4.6            |                |                |                |                |                |                |
| 42.0  | 24.9                             | 55.6                                   | 4.8            | 3.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 38.7  | 55.0                             | 65.1                                   |                | 2.9            |                |                |                |                |                |                |
| 40.0  | 52.0                             | 64.2                                   | 3.0            | 2.5            |                |                |                |                |                |                |
| 42.0  | 47.5                             | 62.4                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 56.5 m Plumín<br>25.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.1  | 78.0                             | 68.6                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 11.0  | 75.9                             | 68.4                                   | 15.1           | 28.2           |                |                |                |                |                |                |
| 12.0  | 73.5                             | 68.1                                   | 15.1           | 24.0           |                |                |                |                |                |                |
| 13.0  | 71.0                             | 67.7                                   | 15.1           | 20.5           |                |                |                |                |                |                |
| 14.0  | 68.6                             | 67.3                                   | 15.1           | 18.1           |                |                |                |                |                |                |
| 16.0  | 63.5                             | 66.4                                   | 14.6           | 14.4           |                |                |                |                |                |                |
| 18.0  | 58.2                             | 65.2                                   | 12.9           | 12.0           |                |                |                |                |                |                |
| 20.0  | 52.5                             | 63.8                                   | 10.5           | 10.1           |                |                |                |                |                |                |
| 22.0  | 46.4                             | 62.0                                   | 8.9            | 8.6            |                |                |                |                |                |                |
| 24.0  | 39.4                             | 59.8                                   | 7.5            | 7.4            |                |                |                |                |                |                |
| 26.0  | 31.2                             | 57.0                                   | 6.5            | 6.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 15.8  | 73.0                             | 67.6                                   |                | 21.4           |                |                |                |                |                |                |
| 16.0  | 72.6                             | 67.6                                   | 15.1           | 21.3           |                |                |                |                |                |                |
| 18.0  | 67.6                             | 66.8                                   | 15.1           | 17.3           |                |                |                |                |                |                |
| 20.0  | 62.5                             | 65.8                                   | 14.5           | 13.9           |                |                |                |                |                |                |
| 22.0  | 57.2                             | 64.6                                   | 12.3           | 11.6           |                |                |                |                |                |                |
| 24.0  | 51.4                             | 63.1                                   | 10.3           | 9.8            |                |                |                |                |                |                |
| 26.0  | 45.1                             | 61.3                                   | 8.7            | 8.4            |                |                |                |                |                |                |
| 28.0  | 38.0                             | 59.0                                   | 7.3            | 7.3            |                |                |                |                |                |                |
| 30.0  | 29.4                             | 55.9                                   | 6.4            | 6.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 24.7  | 65.0                             | 65.1                                   |                | 13.4           |                |                |                |                |                |                |
| 26.0  | 61.7                             | 64.4                                   | 14.6           | 12.2           |                |                |                |                |                |                |
| 28.0  | 56.3                             | 63.2                                   | 11.9           | 10.5           |                |                |                |                |                |                |
| 30.0  | 50.5                             | 61.6                                   | 9.9            | 9.1            |                |                |                |                |                |                |
| 32.0  | 44.1                             | 59.7                                   | 8.4            | 7.9            |                |                |                |                |                |                |
| 34.0  | 36.8                             | 57.3                                   | 7.2            | 6.8            |                |                |                |                |                |                |
| 36.0  | 27.8                             | 54.1                                   | 6.3            | 5.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 35.2  | 55.0                             | 60.1                                   |                | 5.0            |                |                |                |                |                |                |
| 36.0  | 52.8                             | 59.7                                   | 5.9            | 4.7            |                |                |                |                |                |                |
| 38.0  | 46.6                             | 57.9                                   | 5.0            | 3.9            |                |                |                |                |                |                |
| 40.0  | 39.7                             | 55.7                                   | 4.2            | 3.2            |                |                |                |                |                |                |
| 42.0  | 31.6                             | 52.9                                   | 3.4            | 2.6            |                |                |                |                |                |                |
| 44.0  | 22.0                             | 48.7                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 59.5 m Plumín<br>28.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 10.7  | 78.0                             | 71.5                                   |                | 27.8           |                |                |                |                |                |                |
| 11.0  | 77.4                             | 71.5                                   | 15.1           | 27.8           |                |                |                |                |                |                |
| 12.0  | 75.3                             | 71.2                                   | 15.1           | 24.9           |                |                |                |                |                |                |
| 13.0  | 73.2                             | 70.9                                   | 15.1           | 21.8           |                |                |                |                |                |                |
| 14.0  | 71.0                             | 70.6                                   | 15.1           | 18.9           |                |                |                |                |                |                |
| 16.0  | 66.6                             | 69.7                                   | 14.5           | 15.2           |                |                |                |                |                |                |
| 18.0  | 62.0                             | 68.7                                   | 13.4           | 12.5           |                |                |                |                |                |                |
| 20.0  | 57.2                             | 67.5                                   | 11.1           | 10.4           |                |                |                |                |                |                |
| 22.0  | 52.1                             | 66.1                                   | 9.0            | 8.8            |                |                |                |                |                |                |
| 24.0  | 46.6                             | 64.3                                   | 7.6            | 7.5            |                |                |                |                |                |                |
| 26.0  | 40.5                             | 62.1                                   | 6.5            | 6.5            |                |                |                |                |                |                |
| 28.0  | 33.4                             | 59.4                                   | 5.6            | 5.6            |                |                |                |                |                |                |
| 30.0  | 24.6                             | 55.8                                   | 4.9            | 4.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 16.7  | 73.0                             | 70.5                                   | 15.1           | 19.8           |                |                |                |                |                |                |
| 18.0  | 70.2                             | 70.1                                   | 15.1           | 18.1           |                |                |                |                |                |                |
| 20.0  | 65.7                             | 69.2                                   | 14.5           | 14.6           |                |                |                |                |                |                |
| 22.0  | 61.1                             | 68.2                                   | 13.3           | 12.2           |                |                |                |                |                |                |
| 24.0  | 56.2                             | 66.9                                   | 10.7           | 10.1           |                |                |                |                |                |                |
| 26.0  | 51.1                             | 65.4                                   | 8.7            | 8.6            |                |                |                |                |                |                |
| 28.0  | 45.5                             | 63.5                                   | 7.4            | 7.4            |                |                |                |                |                |                |
| 30.0  | 39.2                             | 61.3                                   | 6.3            | 6.3            |                |                |                |                |                |                |
| 32.0  | 32.0                             | 58.4                                   | 5.5            | 5.6            |                |                |                |                |                |                |
| 34.0  | 22.6                             | 54.5                                   | 4.8            | 4.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 26.0  | 65.0                             | 67.8                                   |                | 12.3           |                |                |                |                |                |                |
| 28.0  | 60.3                             | 66.7                                   | 12.8           | 10.6           |                |                |                |                |                |                |
| 30.0  | 55.4                             | 65.4                                   | 10.4           | 9.2            |                |                |                |                |                |                |
| 32.0  | 50.2                             | 63.9                                   | 8.6            | 8.0            |                |                |                |                |                |                |
| 34.0  | 44.5                             | 62.0                                   | 7.3            | 7.0            |                |                |                |                |                |                |
| 36.0  | 38.2                             | 59.7                                   | 6.3            | 6.1            |                |                |                |                |                |                |
| 38.0  | 30.7                             | 56.7                                   | 5.5            | 5.3            |                |                |                |                |                |                |
| 40.0  | 20.7                             | 52.5                                   | 4.8            | 4.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 37.0  | 55.0                             | 62.6                                   |                | 4.3            |                |                |                |                |                |                |
| 38.0  | 52.3                             | 61.9                                   | 4.8            | 3.9            |                |                |                |                |                |                |
| 40.0  | 46.8                             | 60.1                                   | 4.0            | 3.2            |                |                |                |                |                |                |
| 42.0  | 40.7                             | 58.0                                   | 3.3            | 2.6            |                |                |                |                |                |                |
| 44.0  | 33.8                             | 55.3                                   | 2.6            | 2.0            |                |                |                |                |                |                |
| 46.0  | 26.1                             | 51.7                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 62.5 m Plumín<br>31.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.3  | 78.0                             | 74.5                                   |                | 25.3           |                |                |                |                |                |                |
| 12.0  | 76.7                             | 74.3                                   | 15.1           | 25.3           |                |                |                |                |                |                |
| 13.0  | 74.8                             | 74.0                                   | 15.1           | 21.9           |                |                |                |                |                |                |
| 14.0  | 72.9                             | 73.7                                   | 15.1           | 19.4           |                |                |                |                |                |                |
| 16.0  | 69.0                             | 73.0                                   | 15.1           | 15.6           |                |                |                |                |                |                |
| 18.0  | 64.9                             | 72.1                                   | 13.1           | 12.8           |                |                |                |                |                |                |
| 20.0  | 60.7                             | 71.1                                   | 11.6           | 10.8           |                |                |                |                |                |                |
| 22.0  | 56.3                             | 69.8                                   | 9.5            | 9.1            |                |                |                |                |                |                |
| 24.0  | 51.7                             | 68.3                                   | 7.8            | 7.8            |                |                |                |                |                |                |
| 26.0  | 46.7                             | 66.5                                   | 6.7            | 6.7            |                |                |                |                |                |                |
| 28.0  | 41.3                             | 64.4                                   | 5.8            | 5.8            |                |                |                |                |                |                |
| 30.0  | 35.1                             | 61.8                                   | 5.0            | 5.1            |                |                |                |                |                |                |
| 32.0  | 27.8                             | 58.5                                   | 4.4            | 4.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 17.6  | 73.0                             | 73.4                                   | 15.1           | 17.9           |                |                |                |                |                |                |
| 18.0  | 72.2                             | 73.3                                   | 15.1           | 17.9           |                |                |                |                |                |                |
| 20.0  | 68.2                             | 72.5                                   | 15.1           | 14.9           |                |                |                |                |                |                |
| 22.0  | 64.1                             | 71.6                                   | 13.0           | 12.3           |                |                |                |                |                |                |
| 24.0  | 59.9                             | 70.5                                   | 11.1           | 10.4           |                |                |                |                |                |                |
| 26.0  | 55.5                             | 69.2                                   | 9.1            | 8.8            |                |                |                |                |                |                |
| 28.0  | 50.8                             | 67.6                                   | 7.7            | 7.6            |                |                |                |                |                |                |
| 30.0  | 45.7                             | 65.8                                   | 6.6            | 6.6            |                |                |                |                |                |                |
| 32.0  | 40.2                             | 63.6                                   | 5.7            | 5.7            |                |                |                |                |                |                |
| 34.0  | 33.9                             | 60.9                                   | 5.0            | 5.1            |                |                |                |                |                |                |
| 36.0  | 26.2                             | 57.4                                   | 4.4            | 4.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 27.3  | 65.0                             | 70.5                                   |                | 11.4           |                |                |                |                |                |                |
| 28.0  | 63.5                             | 70.2                                   | 13.0           | 10.8           |                |                |                |                |                |                |
| 30.0  | 59.2                             | 69.0                                   | 10.7           | 9.4            |                |                |                |                |                |                |
| 32.0  | 54.8                             | 67.7                                   | 8.9            | 8.2            |                |                |                |                |                |                |
| 34.0  | 50.0                             | 66.1                                   | 7.5            | 7.2            |                |                |                |                |                |                |
| 36.0  | 44.9                             | 64.2                                   | 6.5            | 6.3            |                |                |                |                |                |                |
| 38.0  | 39.3                             | 62.0                                   | 5.6            | 5.5            |                |                |                |                |                |                |
| 40.0  | 32.8                             | 59.2                                   | 5.0            | 4.8            |                |                |                |                |                |                |
| 42.0  | 24.8                             | 55.5                                   | 4.4            | 4.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 38.7  | 55.0                             | 65.1                                   |                | 3.7            |                |                |                |                |                |                |
| 40.0  | 51.9                             | 64.1                                   | 4.1            | 3.3            |                |                |                |                |                |                |
| 42.0  | 46.9                             | 62.4                                   | 3.4            | 2.7            |                |                |                |                |                |                |
| 44.0  | 41.5                             | 60.3                                   | 2.7            | 2.1            |                |                |                |                |                |                |
| 46.0  | 36.0                             | 57.7                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 65.5 m Plumín<br>34.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 12.0  | 78.0                             | 77.4                                   | 15.1           | 23.0           |                |                |                |                |                |                |
| 13.0  | 76.2                             | 77.2                                   | 15.1           | 22.2           |                |                |                |                |                |                |
| 14.0  | 74.5                             | 76.9                                   | 15.1           | 19.5           |                |                |                |                |                |                |
| 16.0  | 70.9                             | 76.2                                   | 15.1           | 15.8           |                |                |                |                |                |                |
| 18.0  | 67.3                             | 75.4                                   | 14.1           | 13.2           |                |                |                |                |                |                |
| 20.0  | 63.5                             | 74.5                                   | 11.6           | 11.0           |                |                |                |                |                |                |
| 22.0  | 59.7                             | 73.4                                   | 9.8            | 9.4            |                |                |                |                |                |                |
| 24.0  | 55.6                             | 72.1                                   | 8.1            | 8.0            |                |                |                |                |                |                |
| 26.0  | 51.4                             | 70.5                                   | 6.8            | 6.9            |                |                |                |                |                |                |
| 28.0  | 46.9                             | 68.8                                   | 5.9            | 6.1            |                |                |                |                |                |                |
| 30.0  | 41.9                             | 66.7                                   | 5.2            | 5.3            |                |                |                |                |                |                |
| 32.0  | 36.5                             | 64.2                                   | 4.5            | 4.6            |                |                |                |                |                |                |
| 34.0  | 30.2                             | 61.1                                   | 4.0            | 4.1            |                |                |                |                |                |                |
| 36.0  | 22.2                             | 57.0                                   | 3.5            | 3.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 18.4  | 73.0                             | 76.2                                   |                | 16.4           |                |                |                |                |                |                |
| 20.0  | 70.2                             | 75.7                                   | 15.1           | 15.3           |                |                |                |                |                |                |
| 22.0  | 66.6                             | 74.9                                   | 13.9           | 12.7           |                |                |                |                |                |                |
| 24.0  | 62.8                             | 73.9                                   | 11.2           | 10.6           |                |                |                |                |                |                |
| 26.0  | 58.9                             | 72.8                                   | 9.4            | 9.1            |                |                |                |                |                |                |
| 28.0  | 54.9                             | 71.4                                   | 7.9            | 7.8            |                |                |                |                |                |                |
| 30.0  | 50.6                             | 69.9                                   | 6.8            | 6.8            |                |                |                |                |                |                |
| 32.0  | 46.0                             | 68.0                                   | 5.9            | 5.9            |                |                |                |                |                |                |
| 34.0  | 41.0                             | 65.9                                   | 5.1            | 5.2            |                |                |                |                |                |                |
| 36.0  | 35.4                             | 63.3                                   | 4.5            | 4.5            |                |                |                |                |                |                |
| 38.0  | 28.8                             | 60.1                                   | 4.0            | 4.0            |                |                |                |                |                |                |
| 40.0  | 20.3                             | 55.7                                   | 3.5            | 3.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 28.5  | 65.0                             | 73.2                                   |                | 10.4           |                |                |                |                |                |                |
| 30.0  | 62.2                             | 72.5                                   | 9.9            | 9.4            |                |                |                |                |                |                |
| 32.0  | 58.3                             | 71.3                                   | 8.3            | 8.2            |                |                |                |                |                |                |
| 34.0  | 54.2                             | 70.0                                   | 7.1            | 7.2            |                |                |                |                |                |                |
| 36.0  | 49.9                             | 68.4                                   | 6.3            | 6.3            |                |                |                |                |                |                |
| 38.0  | 45.2                             | 66.5                                   | 5.5            | 5.5            |                |                |                |                |                |                |
| 40.0  | 40.1                             | 64.3                                   | 4.8            | 4.8            |                |                |                |                |                |                |
| 42.0  | 34.4                             | 61.6                                   | 4.2            | 4.1            |                |                |                |                |                |                |
| 44.0  | 27.7                             | 58.2                                   | 3.8            | 3.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 40.4  | 55.0                             | 67.5                                   |                | 3.0            |                |                |                |                |                |                |
| 42.0  | 51.6                             | 66.4                                   | 3.2            | 2.6            |                |                |                |                |                |                |
| 44.0  | 47.1                             | 64.6                                   | 2.5            | 2.0            |                |                |                |                |                |                |
| 45.0  | 45.0                             | 63.6                                   | 2.2            |                |                |                |                |                |                |                |



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 68.5 m Plumín<br>37.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 12.6  | 78.0                             | 80.3                                   | 15.1           | 22.3           |                |                |                |                |                |                |
| 13.0  | 77.3                             | 80.3                                   | 15.1           | 22.3           |                |                |                |                |                |                |
| 14.0  | 75.7                             | 80.0                                   | 15.1           | 21.0           |                |                |                |                |                |                |
| 16.0  | 72.5                             | 79.4                                   | 15.1           | 16.9           |                |                |                |                |                |                |
| 18.0  | 69.2                             | 78.7                                   | 15.1           | 14.2           |                |                |                |                |                |                |
| 20.0  | 65.9                             | 77.8                                   | 12.8           | 12.0           |                |                |                |                |                |                |
| 22.0  | 62.4                             | 76.8                                   | 10.7           | 10.3           |                |                |                |                |                |                |
| 24.0  | 58.8                             | 75.7                                   | 9.1            | 8.9            |                |                |                |                |                |                |
| 26.0  | 55.1                             | 74.3                                   | 7.7            | 7.7            |                |                |                |                |                |                |
| 28.0  | 51.1                             | 72.8                                   | 6.7            | 6.8            |                |                |                |                |                |                |
| 30.0  | 47.0                             | 71.0                                   | 5.9            | 6.0            |                |                |                |                |                |                |
| 32.0  | 42.5                             | 68.9                                   | 5.2            | 5.3            |                |                |                |                |                |                |
| 34.0  | 37.6                             | 66.5                                   | 4.6            | 4.7            |                |                |                |                |                |                |
| 36.0  | 32.0                             | 63.6                                   | 4.1            | 4.2            |                |                |                |                |                |                |
| 38.0  | 25.3                             | 59.9                                   | 3.7            | 3.8            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 19.3  | 73.0                             | 79.1                                   |                | 16.1           |                |                |                |                |                |                |
| 20.0  | 71.9                             | 78.9                                   | 15.1           | 16.0           |                |                |                |                |                |                |
| 22.0  | 68.6                             | 78.2                                   | 14.4           | 13.7           |                |                |                |                |                |                |
| 24.0  | 65.2                             | 77.3                                   | 12.4           | 11.6           |                |                |                |                |                |                |
| 26.0  | 61.7                             | 76.2                                   | 10.3           | 10.0           |                |                |                |                |                |                |
| 28.0  | 58.1                             | 75.0                                   | 8.8            | 8.7            |                |                |                |                |                |                |
| 30.0  | 54.3                             | 73.7                                   | 7.6            | 7.5            |                |                |                |                |                |                |
| 32.0  | 50.4                             | 72.1                                   | 6.6            | 6.7            |                |                |                |                |                |                |
| 34.0  | 46.2                             | 70.3                                   | 5.8            | 5.9            |                |                |                |                |                |                |
| 36.0  | 41.6                             | 68.2                                   | 5.1            | 5.2            |                |                |                |                |                |                |
| 38.0  | 36.6                             | 65.6                                   | 4.5            | 4.6            |                |                |                |                |                |                |
| 40.0  | 30.8                             | 62.6                                   | 4.1            | 4.2            |                |                |                |                |                |                |
| 42.0  | 23.8                             | 58.7                                   | 3.6            | 3.8            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 29.8  | 65.0                             | 75.9                                   |                | 9.6            |                |                |                |                |                |                |
| 30.0  | 64.7                             | 75.9                                   | 11.3           | 9.4            |                |                |                |                |                |                |
| 32.0  | 61.2                             | 74.8                                   | 10.1           | 8.3            |                |                |                |                |                |                |
| 34.0  | 57.5                             | 73.6                                   | 8.6            | 7.2            |                |                |                |                |                |                |
| 36.0  | 53.7                             | 72.2                                   | 7.4            | 6.3            |                |                |                |                |                |                |
| 38.0  | 49.7                             | 70.6                                   | 6.6            | 5.5            |                |                |                |                |                |                |
| 40.0  | 45.5                             | 68.7                                   | 5.8            | 4.8            |                |                |                |                |                |                |
| 42.0  | 40.8                             | 66.6                                   | 5.1            | 4.2            |                |                |                |                |                |                |
| 44.0  | 35.7                             | 64.0                                   | 4.5            | 3.6            |                |                |                |                |                |                |
| 46.0  | 29.8                             | 60.8                                   | 4.0            | 3.1            |                |                |                |                |                |                |
| 48.0  | 22.6                             | 56.7                                   | 3.4            | 2.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 42.1  | 55.0                             | 70.0                                   |                | 2.5            |                |                |                |                |                |                |
| 44.0  | 51.3                             | 68.6                                   | 2.5            | 2.0            |                |                |                |                |                |                |
| 45.0  | 49.5                             | 67.8                                   | 2.2            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 71.5 m Plumín<br>40.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.2  | 78.0                             | 83.3                                   |                | 23.2           |                |                |                |                |                |                |
| 14.0  | 76.8                             | 83.1                                   | 15.1           | 23.2           |                |                |                |                |                |                |
| 16.0  | 73.9                             | 82.5                                   | 15.1           | 19.4           |                |                |                |                |                |                |
| 18.0  | 70.9                             | 81.9                                   | 15.1           | 16.3           |                |                |                |                |                |                |
| 20.0  | 67.8                             | 81.1                                   | 14.4           | 14.0           |                |                |                |                |                |                |
| 22.0  | 64.6                             | 80.2                                   | 12.3           | 12.0           |                |                |                |                |                |                |
| 24.0  | 61.4                             | 79.1                                   | 10.8           | 10.5           |                |                |                |                |                |                |
| 26.0  | 58.0                             | 77.9                                   | 9.4            | 9.2            |                |                |                |                |                |                |
| 28.0  | 54.6                             | 76.6                                   | 8.2            | 8.2            |                |                |                |                |                |                |
| 30.0  | 50.9                             | 75.0                                   | 7.2            | 7.3            |                |                |                |                |                |                |
| 32.0  | 47.1                             | 73.2                                   | 6.4            | 6.6            |                |                |                |                |                |                |
| 34.0  | 42.9                             | 71.2                                   | 5.8            | 5.9            |                |                |                |                |                |                |
| 36.0  | 38.5                             | 68.8                                   | 5.2            | 5.3            |                |                |                |                |                |                |
| 38.0  | 33.5                             | 66.0                                   | 4.7            | 4.9            |                |                |                |                |                |                |
| 40.0  | 27.7                             | 62.6                                   | 4.3            | 4.4            |                |                |                |                |                |                |
| 42.0  | 20.4                             | 58.1                                   | 3.9            | 4.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 20.2  | 73.0                             | 82.0                                   |                | 17.0           |                |                |                |                |                |                |
| 22.0  | 70.3                             | 81.4                                   | 15.0           | 15.9           |                |                |                |                |                |                |
| 24.0  | 67.2                             | 80.6                                   | 13.3           | 13.6           |                |                |                |                |                |                |
| 26.0  | 64.0                             | 79.6                                   | 11.2           | 11.7           |                |                |                |                |                |                |
| 28.0  | 60.8                             | 78.6                                   | 9.8            | 10.4           |                |                |                |                |                |                |
| 30.0  | 57.4                             | 77.3                                   | 8.6            | 9.1            |                |                |                |                |                |                |
| 32.0  | 53.9                             | 75.9                                   | 7.5            | 8.1            |                |                |                |                |                |                |
| 34.0  | 50.2                             | 74.3                                   | 6.8            | 7.3            |                |                |                |                |                |                |
| 36.0  | 46.3                             | 72.5                                   | 6.1            | 6.5            |                |                |                |                |                |                |
| 38.0  | 42.1                             | 70.4                                   | 5.4            | 5.9            |                |                |                |                |                |                |
| 40.0  | 37.6                             | 68.0                                   | 4.9            | 5.3            |                |                |                |                |                |                |
| 42.0  | 32.5                             | 65.1                                   | 4.5            | 4.8            |                |                |                |                |                |                |
| 44.0  | 26.4                             | 61.5                                   | 4.1            | 4.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 31.1  | 65.0                             | 78.7                                   |                | 8.7            |                |                |                |                |                |                |
| 32.0  | 63.5                             | 78.2                                   | 9.8            | 8.1            |                |                |                |                |                |                |
| 34.0  | 60.2                             | 77.1                                   | 8.7            | 7.1            |                |                |                |                |                |                |
| 36.0  | 56.8                             | 75.9                                   | 7.6            | 6.2            |                |                |                |                |                |                |
| 38.0  | 53.3                             | 74.5                                   | 6.7            | 5.5            |                |                |                |                |                |                |
| 40.0  | 49.6                             | 72.8                                   | 5.9            | 4.7            |                |                |                |                |                |                |
| 42.0  | 45.7                             | 71.0                                   | 5.2            | 4.1            |                |                |                |                |                |                |
| 44.0  | 41.4                             | 68.8                                   | 4.5            | 3.5            |                |                |                |                |                |                |
| 46.0  | 36.8                             | 66.3                                   | 3.8            | 3.0            |                |                |                |                |                |                |
| 48.0  | 31.6                             | 63.3                                   | 3.2            | 2.5            |                |                |                |                |                |                |
| 50.0  | 25.4                             | 59.6                                   | 2.7            | 2.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 44.0  | 55.0                             | 72.4                                   | 2.2            |                |                |                |                |                |                |                |

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 74.5 m Plumín<br>31.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 11.3  | 78.0                             | 74.5                                   |                | 20.8           |                |                |                |                |                |                |
| 12.0  | 76.7                             | 74.3                                   | 15.1           | 20.8           |                |                |                |                |                |                |
| 13.0  | 74.8                             | 74.0                                   | 15.1           | 18.5           |                |                |                |                |                |                |
| 14.0  | 72.9                             | 73.7                                   | 15.1           | 16.4           |                |                |                |                |                |                |
| 16.0  | 69.0                             | 73.0                                   | 14.3           | 13.1           |                |                |                |                |                |                |
| 18.0  | 64.9                             | 72.1                                   | 11.3           | 10.4           |                |                |                |                |                |                |
| 20.0  | 60.7                             | 71.1                                   | 8.9            | 8.6            |                |                |                |                |                |                |
| 22.0  | 56.3                             | 69.8                                   | 7.2            | 7.0            |                |                |                |                |                |                |
| 24.0  | 51.7                             | 68.3                                   | 5.9            | 5.8            |                |                |                |                |                |                |
| 26.0  | 46.7                             | 66.5                                   | 4.9            | 4.9            |                |                |                |                |                |                |
| 28.0  | 41.3                             | 64.4                                   | 4.2            | 4.2            |                |                |                |                |                |                |
| 30.0  | 35.1                             | 61.8                                   | 3.5            | 3.5            |                |                |                |                |                |                |
| 32.0  | 27.8                             | 58.5                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 17.6  | 73.0                             | 73.4                                   | 15.1           | 14.9           |                |                |                |                |                |                |
| 18.0  | 72.2                             | 73.3                                   | 15.1           | 14.9           |                |                |                |                |                |                |
| 20.0  | 68.2                             | 72.5                                   | 13.5           | 12.3           |                |                |                |                |                |                |
| 22.0  | 64.1                             | 71.6                                   | 10.6           | 9.9            |                |                |                |                |                |                |
| 24.0  | 59.9                             | 70.5                                   | 8.5            | 8.2            |                |                |                |                |                |                |
| 26.0  | 55.5                             | 69.2                                   | 6.9            | 6.8            |                |                |                |                |                |                |
| 28.0  | 50.8                             | 67.6                                   | 5.8            | 5.7            |                |                |                |                |                |                |
| 30.0  | 45.7                             | 65.8                                   | 4.9            | 4.9            |                |                |                |                |                |                |
| 32.0  | 40.2                             | 63.6                                   | 4.1            | 4.1            |                |                |                |                |                |                |
| 34.0  | 33.9                             | 60.9                                   | 3.5            | 3.5            |                |                |                |                |                |                |
| 36.0  | 26.2                             | 57.4                                   | 3.0            | 3.1            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 27.3  | 65.0                             | 70.5                                   |                | 8.8            |                |                |                |                |                |                |
| 28.0  | 63.5                             | 70.2                                   | 8.8            | 8.2            |                |                |                |                |                |                |
| 30.0  | 59.2                             | 69.0                                   | 7.4            | 6.9            |                |                |                |                |                |                |
| 32.0  | 54.8                             | 67.7                                   | 6.2            | 5.7            |                |                |                |                |                |                |
| 34.0  | 50.0                             | 66.1                                   | 5.3            | 4.7            |                |                |                |                |                |                |
| 36.0  | 44.9                             | 64.2                                   | 4.5            | 3.9            |                |                |                |                |                |                |
| 38.0  | 39.3                             | 62.0                                   | 3.9            | 3.1            |                |                |                |                |                |                |
| 40.0  | 32.8                             | 59.2                                   | 3.3            | 2.4            |                |                |                |                |                |                |
| 42.0  | 25.8                             | 55.5                                   | 2.7            |                |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 38.8  | 55.0                             | 65.1                                   | 2.2            |                |                |                |                |                |                |                |
| 39.0  | 54.5                             | 64.9                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 77.5 m Plumín<br>34.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 12.0  | 78.0                             | 77.4                                   | 15.1           | 18.7           |                |                |                |                |                |                |
| 13.0  | 76.2                             | 77.2                                   | 15.1           | 18.4           |                |                |                |                |                |                |
| 14.0  | 74.5                             | 76.9                                   | 15.1           | 16.2           |                |                |                |                |                |                |
| 16.0  | 70.9                             | 76.2                                   | 13.6           | 12.9           |                |                |                |                |                |                |
| 18.0  | 67.3                             | 75.4                                   | 11.4           | 10.5           |                |                |                |                |                |                |
| 20.0  | 63.5                             | 74.5                                   | 8.9            | 8.5            |                |                |                |                |                |                |
| 22.0  | 59.7                             | 73.4                                   | 7.2            | 7.1            |                |                |                |                |                |                |
| 24.0  | 55.6                             | 72.1                                   | 5.9            | 5.9            |                |                |                |                |                |                |
| 26.0  | 51.4                             | 70.5                                   | 4.9            | 4.9            |                |                |                |                |                |                |
| 28.0  | 46.9                             | 68.8                                   | 4.1            | 4.2            |                |                |                |                |                |                |
| 30.0  | 41.9                             | 66.7                                   | 3.5            | 3.5            |                |                |                |                |                |                |
| 32.0  | 36.5                             | 64.2                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| 34.0  | 30.2                             | 61.1                                   | 2.4            | 2.4            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 18.4  | 73.0                             | 76.2                                   |                | 13.3           |                |                |                |                |                |                |
| 20.0  | 70.2                             | 75.7                                   | 13.8           | 12.4           |                |                |                |                |                |                |
| 22.0  | 66.6                             | 74.9                                   | 10.7           | 10.0           |                |                |                |                |                |                |
| 24.0  | 62.8                             | 73.9                                   | 8.4            | 8.1            |                |                |                |                |                |                |
| 26.0  | 58.9                             | 72.8                                   | 6.9            | 6.8            |                |                |                |                |                |                |
| 28.0  | 54.9                             | 71.4                                   | 5.7            | 5.7            |                |                |                |                |                |                |
| 30.0  | 50.6                             | 69.9                                   | 4.8            | 4.9            |                |                |                |                |                |                |
| 32.0  | 46.0                             | 68.0                                   | 4.1            | 4.1            |                |                |                |                |                |                |
| 34.0  | 41.0                             | 65.9                                   | 3.5            | 3.5            |                |                |                |                |                |                |
| 36.0  | 35.4                             | 63.3                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| 38.0  | 28.8                             | 60.1                                   | 2.5            | 2.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 28.5  | 65.0                             | 73.2                                   |                | 7.9            |                |                |                |                |                |                |
| 30.0  | 62.2                             | 72.5                                   | 8.1            | 6.9            |                |                |                |                |                |                |
| 32.0  | 58.3                             | 71.3                                   | 6.7            | 5.8            |                |                |                |                |                |                |
| 34.0  | 54.2                             | 70.0                                   | 5.6            | 4.8            |                |                |                |                |                |                |
| 36.0  | 49.9                             | 68.4                                   | 4.8            | 3.9            |                |                |                |                |                |                |
| 38.0  | 45.2                             | 66.5                                   | 4.1            | 3.2            |                |                |                |                |                |                |
| 40.0  | 40.1                             | 64.3                                   | 3.5            | 2.5            |                |                |                |                |                |                |
| 42.0  | 35.0                             | 61.6                                   | 2.7            |                |                |                |                |                |                |                |
| 43.0  | 31.9                             | 60.0                                   | 2.3            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/ Pieza de articulación de pluma principal: 2821-1  
 Radio de descarga: 360 ° Cabeza de pluma principal: 2821-1  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 80.5 m Plumín<br>37.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 12.6  | 78.0                             | 80.3                                   | 15.1           | 19.3           |                |                |                |                |                |                |
| 13.0  | 77.3                             | 80.3                                   | 15.1           | 19.3           |                |                |                |                |                |                |
| 14.0  | 75.7                             | 80.0                                   | 15.1           | 18.4           |                |                |                |                |                |                |
| 16.0  | 72.5                             | 79.4                                   | 14.7           | 14.9           |                |                |                |                |                |                |
| 18.0  | 69.2                             | 78.7                                   | 12.9           | 12.2           |                |                |                |                |                |                |
| 20.0  | 65.9                             | 77.8                                   | 10.6           | 10.1           |                |                |                |                |                |                |
| 22.0  | 62.4                             | 76.8                                   | 8.6            | 8.4            |                |                |                |                |                |                |
| 24.0  | 58.8                             | 75.7                                   | 7.2            | 7.2            |                |                |                |                |                |                |
| 26.0  | 55.1                             | 74.3                                   | 6.1            | 6.1            |                |                |                |                |                |                |
| 28.0  | 51.1                             | 72.8                                   | 5.2            | 5.3            |                |                |                |                |                |                |
| 30.0  | 47.0                             | 71.0                                   | 4.6            | 4.6            |                |                |                |                |                |                |
| 32.0  | 42.5                             | 68.9                                   | 4.0            | 4.1            |                |                |                |                |                |                |
| 34.0  | 37.6                             | 66.5                                   | 3.5            | 3.5            |                |                |                |                |                |                |
| 36.0  | 32.0                             | 63.6                                   | 2.9            | 2.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 19.3  | 73.0                             | 79.1                                   |                | 13.7           |                |                |                |                |                |                |
| 20.0  | 71.9                             | 78.9                                   | 14.5           | 13.7           |                |                |                |                |                |                |
| 22.0  | 68.6                             | 78.2                                   | 12.4           | 11.5           |                |                |                |                |                |                |
| 24.0  | 65.2                             | 77.3                                   | 10.1           | 9.6            |                |                |                |                |                |                |
| 26.0  | 61.7                             | 76.2                                   | 8.2            | 8.1            |                |                |                |                |                |                |
| 28.0  | 58.1                             | 75.0                                   | 7.0            | 7.0            |                |                |                |                |                |                |
| 30.0  | 54.3                             | 73.7                                   | 6.0            | 6.0            |                |                |                |                |                |                |
| 32.0  | 50.4                             | 72.1                                   | 5.2            | 5.3            |                |                |                |                |                |                |
| 34.0  | 46.2                             | 70.3                                   | 4.6            | 4.6            |                |                |                |                |                |                |
| 36.0  | 41.6                             | 68.2                                   | 4.0            | 4.0            |                |                |                |                |                |                |
| 38.0  | 36.6                             | 65.6                                   | 3.5            | 3.5            |                |                |                |                |                |                |
| 40.0  | 30.8                             | 62.6                                   | 3.0            | 3.1            |                |                |                |                |                |                |
| 42.0  | 23.8                             | 58.7                                   | 2.6            | 2.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 29.8  | 65.0                             | 75.9                                   |                | 7.2            |                |                |                |                |                |                |
| 30.0  | 64.7                             | 75.9                                   | 8.9            | 7.0            |                |                |                |                |                |                |
| 32.0  | 61.2                             | 74.8                                   | 7.7            | 5.9            |                |                |                |                |                |                |
| 34.0  | 57.5                             | 73.6                                   | 6.5            | 4.9            |                |                |                |                |                |                |
| 36.0  | 53.7                             | 72.2                                   | 5.4            | 4.0            |                |                |                |                |                |                |
| 38.0  | 49.7                             | 70.6                                   | 4.5            | 3.3            |                |                |                |                |                |                |
| 40.0  | 45.5                             | 68.7                                   | 3.6            | 2.6            |                |                |                |                |                |                |
| 42.0  | 41.2                             | 66.6                                   | 2.8            |                |                |                |                |                |                |                |
| 44.0  | 36.2                             | 64.0                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 83.5 m Plumín<br>40.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.2  | 78.0                             | 83.3                                   |                | 16.4           |                |                |                |                |                |                |
| 14.0  | 76.8                             | 83.1                                   | 15.1           | 16.4           |                |                |                |                |                |                |
| 16.0  | 73.9                             | 82.5                                   | 13.4           | 13.9           |                |                |                |                |                |                |
| 18.0  | 70.9                             | 81.9                                   | 11.3           | 11.3           |                |                |                |                |                |                |
| 20.0  | 67.8                             | 81.1                                   | 9.7            | 9.4            |                |                |                |                |                |                |
| 22.0  | 64.6                             | 80.2                                   | 7.9            | 7.8            |                |                |                |                |                |                |
| 24.0  | 61.4                             | 79.1                                   | 6.5            | 6.6            |                |                |                |                |                |                |
| 26.0  | 58.0                             | 77.9                                   | 5.5            | 5.6            |                |                |                |                |                |                |
| 28.0  | 54.6                             | 76.6                                   | 4.7            | 4.8            |                |                |                |                |                |                |
| 30.0  | 50.9                             | 75.0                                   | 4.0            | 4.1            |                |                |                |                |                |                |
| 32.0  | 47.1                             | 73.2                                   | 3.4            | 3.6            |                |                |                |                |                |                |
| 34.0  | 42.9                             | 71.2                                   | 3.0            | 3.1            |                |                |                |                |                |                |
| 36.0  | 38.5                             | 68.8                                   | 2.5            | 2.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 20.2  | 73.0                             | 82.0                                   |                | 11.6           |                |                |                |                |                |                |
| 22.0  | 70.3                             | 81.4                                   | 10.8           | 10.9           |                |                |                |                |                |                |
| 24.0  | 67.2                             | 80.6                                   | 9.2            | 9.0            |                |                |                |                |                |                |
| 26.0  | 64.0                             | 79.6                                   | 7.5            | 7.5            |                |                |                |                |                |                |
| 28.0  | 60.8                             | 78.6                                   | 6.4            | 6.4            |                |                |                |                |                |                |
| 30.0  | 57.4                             | 77.3                                   | 5.4            | 5.5            |                |                |                |                |                |                |
| 32.0  | 53.9                             | 75.9                                   | 4.6            | 4.7            |                |                |                |                |                |                |
| 34.0  | 50.2                             | 74.3                                   | 4.0            | 4.1            |                |                |                |                |                |                |
| 36.0  | 46.3                             | 72.5                                   | 3.5            | 3.5            |                |                |                |                |                |                |
| 38.0  | 42.1                             | 70.4                                   | 3.0            | 3.0            |                |                |                |                |                |                |
| 40.0  | 37.6                             | 68.0                                   | 2.5            | 2.6            |                |                |                |                |                |                |
| 42.0  | 32.5                             | 65.1                                   | 2.2            | 2.3            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 31.1  | 65.0                             | 78.7                                   |                | 6.4            |                |                |                |                |                |                |
| 32.0  | 63.5                             | 78.2                                   | 7.2            | 5.9            |                |                |                |                |                |                |
| 34.0  | 60.2                             | 77.1                                   | 6.3            | 4.9            |                |                |                |                |                |                |
| 36.0  | 56.8                             | 75.9                                   | 5.3            | 4.0            |                |                |                |                |                |                |
| 38.0  | 53.3                             | 74.5                                   | 4.3            | 3.3            |                |                |                |                |                |                |
| 40.0  | 49.6                             | 72.8                                   | 3.5            | 2.6            |                |                |                |                |                |                |
| 42.0  | 46.0                             | 71.0                                   | 2.7            |                |                |                |                |                |                |                |
| 43.0  | 43.9                             | 69.9                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 86.5 m Plumín<br>43.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.8  | 78.0                             | 86.2                                   |                | 14.6           |                |                |                |                |                |                |
| 14.0  | 77.8                             | 86.2                                   | 15.1           | 14.6           |                |                |                |                |                |                |
| 16.0  | 75.0                             | 85.7                                   | 14.2           | 13.1           |                |                |                |                |                |                |
| 18.0  | 72.2                             | 85.1                                   | 11.3           | 10.6           |                |                |                |                |                |                |
| 20.0  | 69.4                             | 84.3                                   | 8.8            | 8.7            |                |                |                |                |                |                |
| 22.0  | 66.5                             | 83.5                                   | 7.2            | 7.2            |                |                |                |                |                |                |
| 24.0  | 63.6                             | 82.5                                   | 5.9            | 6.0            |                |                |                |                |                |                |
| 26.0  | 60.5                             | 81.4                                   | 5.0            | 5.1            |                |                |                |                |                |                |
| 28.0  | 57.4                             | 80.2                                   | 4.2            | 4.3            |                |                |                |                |                |                |
| 30.0  | 54.1                             | 78.8                                   | 3.5            | 3.6            |                |                |                |                |                |                |
| 32.0  | 50.7                             | 77.3                                   | 3.0            | 3.1            |                |                |                |                |                |                |
| 34.0  | 47.1                             | 75.5                                   | 2.6            | 2.6            |                |                |                |                |                |                |
| 36.0  | 43.3                             | 73.5                                   | 2.2            | 2.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 21.1  | 73.0                             | 84.9                                   | 9.3            | 9.9            |                |                |                |                |                |                |
| 22.0  | 71.7                             | 84.6                                   | 9.2            | 9.9            |                |                |                |                |                |                |
| 24.0  | 68.9                             | 83.8                                   | 7.6            | 8.2            |                |                |                |                |                |                |
| 26.0  | 66.0                             | 83.0                                   | 6.4            | 6.9            |                |                |                |                |                |                |
| 28.0  | 63.0                             | 82.0                                   | 5.4            | 5.8            |                |                |                |                |                |                |
| 30.0  | 59.9                             | 80.9                                   | 4.6            | 5.0            |                |                |                |                |                |                |
| 32.0  | 56.8                             | 79.6                                   | 3.9            | 4.2            |                |                |                |                |                |                |
| 34.0  | 53.5                             | 78.2                                   | 3.3            | 3.6            |                |                |                |                |                |                |
| 36.0  | 50.1                             | 76.6                                   | 2.9            | 3.1            |                |                |                |                |                |                |
| 38.0  | 46.4                             | 74.7                                   | 2.5            | 2.6            |                |                |                |                |                |                |
| 40.0  | 42.6                             | 72.7                                   | 2.1            | 2.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 32.3  | 65.0                             | 81.4                                   |                | 5.7            |                |                |                |                |                |                |
| 34.0  | 62.5                             | 80.6                                   | 5.7            | 5.0            |                |                |                |                |                |                |
| 36.0  | 59.4                             | 79.4                                   | 4.8            | 4.1            |                |                |                |                |                |                |
| 38.0  | 56.3                             | 78.2                                   | 4.1            | 3.3            |                |                |                |                |                |                |
| 40.0  | 53.0                             | 76.7                                   | 3.5            | 2.7            |                |                |                |                |                |                |
| 42.0  | 49.5                             | 75.1                                   | 2.7            | 2.1            |                |                |                |                |                |                |
| 44.0  | 46.1                             | 73.2                                   | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 89.5 m Plumín<br>46.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.5  | 78.0                             | 89.1                                   | 14.9           | 13.7           |                |                |                |                |                |                |
| 16.0  | 76.0                             | 88.8                                   | 14.3           | 13.1           |                |                |                |                |                |                |
| 18.0  | 73.4                             | 88.2                                   | 11.1           | 10.6           |                |                |                |                |                |                |
| 20.0  | 70.8                             | 87.5                                   | 8.8            | 8.6            |                |                |                |                |                |                |
| 22.0  | 68.1                             | 86.8                                   | 7.2            | 7.2            |                |                |                |                |                |                |
| 24.0  | 65.4                             | 85.9                                   | 5.9            | 6.0            |                |                |                |                |                |                |
| 26.0  | 62.6                             | 84.9                                   | 4.9            | 5.0            |                |                |                |                |                |                |
| 28.0  | 59.8                             | 83.8                                   | 4.2            | 4.3            |                |                |                |                |                |                |
| 30.0  | 56.8                             | 82.5                                   | 3.5            | 3.6            |                |                |                |                |                |                |
| 32.0  | 53.8                             | 81.1                                   | 3.0            | 3.0            |                |                |                |                |                |                |
| 34.0  | 50.6                             | 79.5                                   | 2.5            | 2.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 22.0  | 73.0                             | 87.7                                   | 9.0            | 9.0            |                |                |                |                |                |                |
| 24.0  | 70.3                             | 87.0                                   | 8.3            | 8.3            |                |                |                |                |                |                |
| 26.0  | 67.6                             | 86.2                                   | 6.7            | 6.9            |                |                |                |                |                |                |
| 28.0  | 64.9                             | 85.3                                   | 5.7            | 5.8            |                |                |                |                |                |                |
| 30.0  | 62.1                             | 84.3                                   | 4.8            | 4.9            |                |                |                |                |                |                |
| 32.0  | 59.2                             | 83.2                                   | 4.1            | 4.2            |                |                |                |                |                |                |
| 34.0  | 56.2                             | 81.9                                   | 3.5            | 3.6            |                |                |                |                |                |                |
| 36.0  | 53.2                             | 80.4                                   | 3.0            | 3.0            |                |                |                |                |                |                |
| 38.0  | 49.9                             | 78.8                                   | 2.5            | 2.6            |                |                |                |                |                |                |
| 40.0  | 46.6                             | 77.0                                   | 2.1            | 2.2            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 33.6  | 65.0                             | 84.1                                   |                | 5.0            |                |                |                |                |                |                |
| 34.0  | 64.5                             | 83.9                                   | 5.2            | 4.8            |                |                |                |                |                |                |
| 36.0  | 61.6                             | 82.9                                   | 4.8            | 4.0            |                |                |                |                |                |                |
| 38.0  | 58.8                             | 81.7                                   | 4.1            | 3.3            |                |                |                |                |                |                |
| 40.0  | 55.8                             | 80.4                                   | 3.3            | 2.6            |                |                |                |                |                |                |
| 42.0  | 52.9                             | 78.9                                   | 2.6            |                |                |                |                |                |                |                |
| 43.0  | 51.3                             | 78.1                                   | 2.2            |                |                |                |                |                |                |                |



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 41.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 92.5 m Plumín<br>49.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 15.1  | 78.0                             | 92.1                                   | 11.2           | 12.4           |                |                |                |                |                |                |
| 16.0  | 76.9                             | 91.9                                   | 11.2           | 12.4           |                |                |                |                |                |                |
| 18.0  | 74.5                             | 91.3                                   | 10.0           | 10.3           |                |                |                |                |                |                |
| 20.0  | 72.0                             | 90.7                                   | 8.5            | 8.5            |                |                |                |                |                |                |
| 22.0  | 69.5                             | 90.0                                   | 6.9            | 7.0            |                |                |                |                |                |                |
| 24.0  | 67.0                             | 89.2                                   | 5.8            | 5.9            |                |                |                |                |                |                |
| 26.0  | 64.4                             | 88.2                                   | 4.8            | 4.9            |                |                |                |                |                |                |
| 28.0  | 61.8                             | 87.2                                   | 4.1            | 4.1            |                |                |                |                |                |                |
| 30.0  | 59.1                             | 86.0                                   | 3.5            | 3.5            |                |                |                |                |                |                |
| 32.0  | 56.3                             | 84.8                                   | 2.9            | 3.0            |                |                |                |                |                |                |
| 34.0  | 53.4                             | 83.3                                   | 2.4            | 2.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 22.8  | 73.0                             | 90.6                                   | 8.0            |                |                |                |                |                |                |                |
| 24.0  | 71.6                             | 90.2                                   | 7.9            | 7.9            |                |                |                |                |                |                |
| 26.0  | 69.1                             | 89.5                                   | 6.6            | 6.7            |                |                |                |                |                |                |
| 28.0  | 66.5                             | 88.6                                   | 5.6            | 5.7            |                |                |                |                |                |                |
| 30.0  | 63.9                             | 87.7                                   | 4.7            | 4.8            |                |                |                |                |                |                |
| 32.0  | 61.3                             | 86.6                                   | 4.0            | 4.1            |                |                |                |                |                |                |
| 34.0  | 58.6                             | 85.4                                   | 3.4            | 3.5            |                |                |                |                |                |                |
| 36.0  | 55.8                             | 84.1                                   | 2.8            | 2.9            |                |                |                |                |                |                |
| 38.0  | 52.9                             | 82.7                                   | 2.4            | 2.5            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 34.9  | 65.0                             | 86.8                                   | 4.3            |                |                |                |                |                |                |                |
| 36.0  | 63.5                             | 86.3                                   | 4.6            | 3.9            |                |                |                |                |                |                |
| 38.0  | 60.9                             | 85.2                                   | 4.0            | 3.2            |                |                |                |                |                |                |
| 40.0  | 58.1                             | 84.0                                   | 3.3            | 2.6            |                |                |                |                |                |                |
| 42.0  | 55.5                             | 82.7                                   | 2.5            |                |                |                |                |                |                |                |
| 43.0  | 54.0                             | 82.0                                   | 2.2            |                |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 44.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 32.5 m Plumín<br>13.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 7.7   | 78.0                             | 59.9                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 8.0   | 76.7                             | 59.8                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 9.0   | 72.0                             | 59.5                                   | 15.1           | 24.9           |                |                |                |                |                |                |
| 10.0  | 67.3                             | 59.1                                   | 15.1           | 18.5           |                |                |                |                |                |                |
| 11.0  | 62.3                             | 58.5                                   | 15.1           | 14.6           |                |                |                |                |                |                |
| 12.0  | 57.0                             | 57.9                                   | 13.0           | 12.0           |                |                |                |                |                |                |
| 13.0  | 51.4                             | 57.1                                   | 11.2           | 10.1           |                |                |                |                |                |                |
| 14.0  | 45.2                             | 56.2                                   | 9.5            | 8.7            |                |                |                |                |                |                |
| 16.0  | 29.7                             | 53.5                                   | 7.0            | 6.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 12.7  | 73.0                             | 59.1                                   | 15.1           | 25.5           |                |                |                |                |                |                |
| 13.0  | 71.5                             | 59.0                                   | 15.1           | 23.9           |                |                |                |                |                |                |
| 14.0  | 66.7                             | 58.6                                   | 15.1           | 17.8           |                |                |                |                |                |                |
| 16.0  | 56.4                             | 57.4                                   | 12.8           | 11.7           |                |                |                |                |                |                |
| 18.0  | 44.4                             | 55.7                                   | 9.2            | 8.5            |                |                |                |                |                |                |
| 20.0  | 28.5                             | 52.9                                   | 6.9            | 6.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 20.4  | 65.0                             | 57.1                                   |                | 15.8           |                |                |                |                |                |                |
| 22.0  | 56.9                             | 56.2                                   | 13.8           | 11.8           |                |                |                |                |                |                |
| 24.0  | 45.1                             | 54.5                                   | 9.3            | 8.6            |                |                |                |                |                |                |
| 26.0  | 29.5                             | 51.7                                   | 6.9            | 6.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 29.6  | 55.0                             | 53.0                                   |                | 9.6            |                |                |                |                |                |                |
| 30.0  | 52.8                             | 52.8                                   | 10.9           | 9.3            |                |                |                |                |                |                |
| 32.0  | 40.1                             | 50.8                                   | 7.7            | 7.7            |                |                |                |                |                |                |
| 34.0  | 20.9                             | 47.4                                   | 6.0            | 6.0            |                |                |                |                |                |                |

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 44.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 35.5 m Plumín<br>16.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 8.3   | 78.0                             | 62.8                                   |                | 30.1           |                |                |                |                |                |                |
| 9.0   | 75.5                             | 62.6                                   | 15.1           | 29.9           |                |                |                |                |                |                |
| 10.0  | 71.7                             | 62.3                                   | 15.1           | 24.8           |                |                |                |                |                |                |
| 11.0  | 67.9                             | 61.9                                   | 15.1           | 19.8           |                |                |                |                |                |                |
| 12.0  | 63.9                             | 61.4                                   | 15.1           | 16.3           |                |                |                |                |                |                |
| 13.0  | 59.8                             | 60.8                                   | 14.1           | 13.9           |                |                |                |                |                |                |
| 14.0  | 55.4                             | 60.2                                   | 12.2           | 12.0           |                |                |                |                |                |                |
| 16.0  | 45.8                             | 58.4                                   | 9.4            | 9.4            |                |                |                |                |                |                |
| 18.0  | 34.1                             | 55.9                                   | 7.4            | 7.7            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 13.6  | 73.0                             | 62.0                                   | 15.1           | 25.6           |                |                |                |                |                |                |
| 14.0  | 71.3                             | 61.9                                   | 15.1           | 24.1           |                |                |                |                |                |                |
| 16.0  | 63.4                             | 61.0                                   | 15.1           | 15.8           |                |                |                |                |                |                |
| 18.0  | 54.9                             | 59.7                                   | 12.4           | 11.7           |                |                |                |                |                |                |
| 20.0  | 45.2                             | 57.9                                   | 9.7            | 9.3            |                |                |                |                |                |                |
| 22.0  | 33.3                             | 55.4                                   | 7.6            | 7.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 21.7  | 65.0                             | 59.8                                   |                | 16.3           |                |                |                |                |                |                |
| 22.0  | 63.8                             | 59.7                                   | 15.1           | 16.1           |                |                |                |                |                |                |
| 24.0  | 55.3                             | 58.4                                   | 13.0           | 11.8           |                |                |                |                |                |                |
| 26.0  | 45.7                             | 56.7                                   | 9.8            | 9.3            |                |                |                |                |                |                |
| 28.0  | 33.9                             | 54.2                                   | 7.6            | 7.6            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 31.3  | 55.0                             | 55.5                                   |                | 8.5            |                |                |                |                |                |                |
| 32.0  | 52.0                             | 55.1                                   | 9.6            | 8.1            |                |                |                |                |                |                |
| 34.0  | 41.8                             | 53.1                                   | 8.5            | 7.0            |                |                |                |                |                |                |
| 36.0  | 28.5                             | 50.2                                   | 7.1            | 6.0            |                |                |                |                |                |                |
| 37.0  | 18.5                             | 47.9                                   | 6.4            | 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 ]: 54.0  
 Lastre central [ t ]: 0.0

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

| Inserción   |                                  |  | 1              | 2              | 3              | 4              | 5              | 6              | 7              | 8              |
|---|----------------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Alcan-<br>ce<br>[ m ]   | Ángu-<br>o de<br>plumín<br>[ ° ] | Altura<br>de<br>rolda-<br>nas<br>[ m ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] | Carga<br>[ t ] |
| 44.0 m Pluma principal, Punto de carga 3 - Midfall<br>Cabeza de plumín (1916-1) 38.5 m Plumín<br>19.0 [ m ] Posición midfall (1916) |                                  |  |                |                |                |                |                |                |                |                |
| Ángulo de pluma principal 88.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 9.0   | 78.0                             | 65.7                                   | 15.1           | 30.1           |                |                |                |                |                |                |
| 10.0  | 74.7                             | 65.5                                   | 15.1           | 28.8           |                |                |                |                |                |                |
| 11.0  | 71.6                             | 65.1                                   | 15.1           | 24.0           |                |                |                |                |                |                |
| 12.0  | 68.3                             | 64.7                                   | 15.1           | 20.3           |                |                |                |                |                |                |
| 13.0  | 65.0                             | 64.3                                   | 15.1           | 17.3           |                |                |                |                |                |                |
| 14.0  | 61.6                             | 63.7                                   | 15.1           | 15.1           |                |                |                |                |                |                |
| 16.0  | 54.3                             | 62.4                                   | 12.8           | 11.9           |                |                |                |                |                |                |
| 18.0  | 46.2                             | 60.7                                   | 10.7           | 9.8            |                |                |                |                |                |                |
| 20.0  | 36.7                             | 58.3                                   | 8.5            | 8.1            |                |                |                |                |                |                |
| 22.0  | 24.0                             | 54.9                                   | 7.1            | 6.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 83.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 14.4  | 73.0                             | 64.9                                   |                | 25.0           |                |                |                |                |                |                |
| 16.0  | 67.9                             | 64.3                                   | 15.1           | 19.8           |                |                |                |                |                |                |
| 18.0  | 61.1                             | 63.3                                   | 15.0           | 14.9           |                |                |                |                |                |                |
| 20.0  | 53.8                             | 61.9                                   | 12.2           | 11.7           |                |                |                |                |                |                |
| 22.0  | 45.7                             | 60.2                                   | 10.0           | 9.7            |                |                |                |                |                |                |
| 24.0  | 36.1                             | 57.8                                   | 8.0            | 8.1            |                |                |                |                |                |                |
| 26.0  | 23.0                             | 54.2                                   | 6.8            | 6.9            |                |                |                |                |                |                |
| Ángulo de pluma principal 75.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 23.0  | 65.0                             | 62.5                                   |                | 16.5           |                |                |                |                |                |                |
| 24.0  | 61.5                             | 62.0                                   | 15.1           | 14.9           |                |                |                |                |                |                |
| 26.0  | 54.2                             | 60.7                                   | 13.2           | 11.8           |                |                |                |                |                |                |
| 28.0  | 46.1                             | 59.0                                   | 10.6           | 9.8            |                |                |                |                |                |                |
| 30.0  | 36.6                             | 56.6                                   | 8.4            | 8.1            |                |                |                |                |                |                |
| 32.0  | 23.8                             | 53.1                                   | 7.1            | 7.0            |                |                |                |                |                |                |
| Ángulo de pluma principal 65.0 [ ° ]  |                                  |  |                |                |                |                |                |                |                |                |
| 33.1  | 55.0                             | 58.0                                   |                | 7.8            |                |                |                |                |                |                |
| 34.0  | 51.4                             | 57.3                                   | 8.5            | 7.3            |                |                |                |                |                |                |
| 36.0  | 42.9                             | 55.4                                   | 7.6            | 6.4            |                |                |                |                |                |                |
| 38.0  | 32.5                             | 52.7                                   | 6.7            | 5.5            |                |                |                |                |                |                |
| 40.0  | 16.8                             | 48.4                                   | 5.9            | 4.8            |                |                |                |                |                |                |