

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
47.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 95.5 m Plumín 49.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
15.3	78.0	98.1		21.5						
16.0	77.2	97.9	15.1	21.5						
18.0	74.8	97.4	15.1	19.3						
20.0	72.4	96.8	14.8	16.5						
22.0	69.9	96.1	13.6	14.2						
24.0	67.4	95.3	11.9	11.9						
26.0	64.8	94.4	8.5	8.8						
28.0	62.2	93.4	5.9	6.3						
30.0	59.5	92.2	4.1	4.5						
32.0	56.7	90.9	2.8	3.0						
Ángulo de pluma principal 83.0 [°]										
23.6	73.0	96.6		15.3						
24.0	72.5	96.5	15.1	15.3						
26.0	70.1	95.7	15.0	14.5						
28.0	67.5	94.9	13.0	12.6						
30.0	65.0	94.0	11.2	10.9						
32.0	62.3	93.0	9.5	9.5						
34.0	59.6	91.9	8.2	8.3						
36.0	56.9	90.6	6.4	6.6						
38.0	54.0	89.2	5.0	5.1						
40.0	51.0	87.7	3.8	4.0						
42.0	47.9	85.9	2.9	3.1						
Ángulo de pluma principal 75.0 [°]										
36.5	65.0	92.6		9.3						
38.0	63.0	91.9	10.0	8.4						
40.0	60.3	90.8	8.9	7.3						
42.0	57.6	89.6	7.7	6.4						
44.0	54.7	88.2	6.8	5.6						
46.0	51.8	86.7	6.0	4.8						
48.0	48.7	85.0	5.4	4.1						
50.0	45.5	83.1	4.5	3.4						
55.0	36.8	77.2	2.5							
56.0	34.8	75.8	2.2							

Cargas pluma principal + plumín abatible + midfall

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 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
47.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 95.5 m Plumín 52.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
15.9	78.0	101.0		9.6						
16.0	77.9	101.0	8.4	9.6						
18.0	75.6	100.5	8.0	9.1						
20.0	73.3	99.9	7.2	7.9						
22.0	71.0	99.3	6.0	6.4						
24.0	68.7	98.5	5.2	5.3						
26.0	66.3	97.7	4.3	4.4						
28.0	63.8	96.7	3.5	3.7						
30.0	61.3	95.6	2.9	3.1						
32.0	58.8	94.5	2.4	2.5						
Ángulo de pluma principal 83.0 [°]										
24.4	73.0	99.4		6.5						
26.0	71.2	98.9	6.0	6.4						
28.0	68.8	98.2	5.2	5.3						
30.0	66.4	97.3	4.4	4.5						
32.0	64.0	96.4	3.6	3.7						
34.0	61.5	95.3	3.1	3.2						
36.0	59.0	94.1	2.6	2.6						
Ángulo de pluma principal 75.0 [°]										
37.7	65.0	95.3		3.6						
38.0	64.6	95.2	3.5	3.6						
40.0	62.1	94.2	3.2	3.4						
42.0	59.6	93.1	2.7	2.8						
44.0	57.0	91.8	2.3	2.4						
45.0	55.7	91.1	2.0	2.1						

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
47.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 98.5 m Plumín 52.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
16.0	78.0	101.0	15.1	19.5						
18.0	75.7	100.5	15.1	18.6						
20.0	73.4	100.0	15.1	15.9						
22.0	71.1	99.3	13.1	13.5						
24.0	68.7	98.5	11.2	11.7						
26.0	66.3	97.7	8.7	9.0						
28.0	63.9	96.7	6.2	6.5						
30.0	61.4	95.7	4.4	4.6						
32.0	58.8	94.5	3.2	3.4						
Ángulo de pluma principal 83.0 [°]										
24.5	73.0	99.4		13.9						
26.0	71.3	98.9	14.4	13.8						
28.0	68.9	98.2	12.5	12.1						
30.0	66.5	97.3	10.8	10.7						
32.0	64.1	96.4	9.1	9.2						
34.0	61.6	95.3	7.8	8.1						
36.0	59.0	94.2	6.6	6.8						
38.0	56.4	92.9	5.1	5.3						
40.0	53.7	91.5	3.9	4.1						
42.0	50.9	89.9	2.9	3.0						
44.0	47.9	88.1	2.2	2.4						
Ángulo de pluma principal 75.0 [°]										
37.8	65.0	95.3	8.2	8.3						
38.0	64.7	95.3	8.2	8.2						
40.0	62.2	94.2	8.1	7.1						
42.0	59.7	93.1	7.1	6.2						
44.0	57.1	91.8	6.3	5.4						
46.0	54.4	90.4	5.5	4.6						
48.0	51.6	88.9	4.9	4.0						
50.0	48.7	87.2	4.3	3.3						
55.0	41.1	82.1	2.4							
56.0	39.3	80.9	2.1							

Cargas pluma principal + plumín abatible + midfall

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 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
47.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 101.5 m Plumín 55.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
16.6	78.0	104.0	15.1	17.2						
18.0	76.5	103.6	15.1	17.2						
20.0	74.3	103.1	14.2	14.9						
22.0	72.2	102.5	12.4	12.8						
24.0	69.9	101.8	10.1	10.7						
26.0	67.7	101.0	8.3	8.9						
28.0	65.4	100.1	6.1	6.5						
30.0	63.1	99.1	4.3	4.6						
32.0	60.7	98.0	3.0	3.2						
34.0	58.3	96.8	2.2	2.4						
Ángulo de pluma principal 83.0 [°]										
25.4	73.0	102.3	11.6	12.1						
26.0	72.3	102.1	11.5	12.1						
28.0	70.1	101.4	10.9	11.4						
30.0	67.9	100.6	9.2	9.9						
32.0	65.6	99.7	8.0	8.6						
34.0	63.3	98.8	6.9	7.4						
36.0	60.9	97.7	6.0	6.5						
38.0	58.5	96.5	4.9	5.3						
40.0	56.0	95.2	3.7	4.0						
42.0	53.4	93.7	2.8	2.9						
Ángulo de pluma principal 75.0 [°]										
39.0	65.0	98.1		7.3						
40.0	63.9	97.6	7.2	6.8						
42.0	61.5	96.6	6.8	5.9						
44.0	59.1	95.4	5.9	5.1						
46.0	56.6	94.1	5.3	4.3						
48.0	54.1	92.7	4.5	3.7						
50.0	51.4	91.2	3.9	3.1						
55.0	44.6	86.6	2.2							

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 Valor de vuelco: 2 - Vía ancha
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 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
47.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 104.5 m Plumín 46.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
14.7	78.0	95.2		21.9						
16.0	76.4	94.9	15.1	21.9						
18.0	73.8	94.3	15.1	18.9						
20.0	71.2	93.6	12.8	14.5						
22.0	68.5	92.9	9.1	9.8						
24.0	65.8	92.0	5.4	5.7						
Ángulo de pluma principal 83.0 [°]										
22.7	73.0	93.7		15.6						
24.0	71.3	93.3	15.0	15.5						
26.0	68.7	92.5	14.1	13.6						
28.0	66.0	91.7	12.0	11.4						
30.0	63.2	90.7	8.7	8.7						
32.0	60.3	89.6	6.4	6.8						
34.0	57.4	88.3	4.3	4.5						
Ángulo de pluma principal 75.0 [°]										
35.2	65.0	89.9		7.0						
36.0	63.9	89.6	8.9	6.5						
38.0	61.1	88.5	7.4	5.4						
40.0	58.2	87.3	6.2	4.4						
42.0	55.2	85.9	5.0	3.5						
44.0	52.0	84.4	4.0	2.8						
46.0	48.8	82.7	3.0	2.1						
48.0	45.6	80.8	2.0							

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 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
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Pieza de articulación de pluma principal: 2821-1
 Cabeza de pluma principal: 2821-1

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
47.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 107.5 m Plumín 49.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
15.3	78.0	98.1		18.3						
16.0	77.2	97.9	15.1	18.3						
18.0	74.8	97.4	15.1	17.1						
20.0	72.4	96.8	14.4	14.5						
22.0	69.9	96.1	9.3	9.6						
24.0	67.4	95.3	6.0	6.4						
26.0	64.8	94.4	3.3	3.5						
Ángulo de pluma principal 83.0 [°]										
23.6	73.0	96.6		13.0						
24.0	72.5	96.5	13.6	13.0						
26.0	70.1	95.7	13.0	12.5						
28.0	67.5	94.9	10.7	10.4						
30.0	65.0	94.0	8.6	8.6						
32.0	62.3	93.0	6.5	6.6						
34.0	59.6	91.9	4.9	5.2						
36.0	56.9	90.6	3.3	3.5						
Ángulo de pluma principal 75.0 [°]										
36.5	65.0	92.6		6.0						
38.0	63.0	91.9	7.0	5.1						
40.0	60.3	90.8	5.7	4.2						
42.0	57.6	89.6	4.6	3.3						
44.0	54.7	88.2	3.6	2.6						
46.0	52.0	86.7	2.7							
47.0	50.5	85.8	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]: 94.0
 Lastre central [t]: 52.6

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
47.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 110.5 m Plumín 52.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
16.0	78.0	101.0	15.1	18.5						
18.0	75.7	100.5	15.1	18.4						
20.0	73.4	100.0	14.1	14.8						
22.0	71.1	99.3	10.2	10.2						
24.0	68.7	98.5	5.9	6.1						
26.0	66.3	97.7	3.7	3.8						
Ángulo de pluma principal 83.0 [°]										
24.5	73.0	99.4		12.1						
26.0	71.3	98.9	12.2	11.9						
28.0	68.9	98.2	10.6	10.4						
30.0	66.5	97.3	8.8	8.8						
32.0	64.1	96.4	6.7	6.9						
34.0	61.6	95.3	5.0	5.3						
36.0	59.0	94.2	3.7	4.1						
38.0	56.4	92.9	2.5	2.7						
Ángulo de pluma principal 75.0 [°]										
37.8	65.0	95.3	6.7	5.1						
38.0	64.7	95.3	6.6	5.0						
40.0	62.2	94.2	5.4	4.0						
42.0	59.7	93.1	4.3	3.2						
44.0	57.1	91.8	3.3	2.4						
46.0	54.6	90.4	2.4							
47.0	53.2	89.7	2.0							

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 32.5 m Plumín 13.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
7.9	78.0	65.9		30.1						
8.0	77.6	65.9	15.1	30.1						
9.0	73.0	65.5	15.1	26.5						
10.0	68.3	65.1	15.1	19.4						
11.0	63.3	64.6	15.1	15.1						
12.0	58.2	64.0	13.5	12.4						
13.0	52.6	63.3	11.4	10.4						
14.0	46.6	62.4	9.8	9.0						
16.0	31.6	59.8	7.1	6.9						
Ángulo de pluma principal 83.0 [°]										
13.4	73.0	65.1		25.0						
14.0	70.2	64.9	15.1	21.5						
16.0	60.3	63.9	14.5	13.4						
18.0	49.1	62.4	10.4	9.5						
20.0	35.1	60.0	7.4	7.2						
Ángulo de pluma principal 75.0 [°]										
22.0	65.0	62.9		15.6						
24.0	54.4	61.7	12.3	10.8						
26.0	42.1	59.8	8.5	8.0						
Ángulo de pluma principal 65.0 [°]										
32.2	55.0	58.5		10.7						
34.0	43.8	56.9	8.8	8.3						
36.0	27.4	54.0	6.6	6.4						
Ángulo de pluma principal 45.0 [°]										
49.4	35.0	44.7		6.9						
50.0	29.9	44.1	6.7	6.5						
51.0	17.4	41.8	5.9	5.8						

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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]:	94.0		
Lastre central [t]:	52.6		

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 35.5 m Plumín 16.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
8.5	78.0	68.8		30.1						
9.0	76.3	68.7	15.1	30.1						
10.0	72.5	68.4	15.1	25.9						
11.0	68.7	68.0	15.1	20.5						
12.0	64.7	67.5	14.8	16.7						
13.0	60.6	67.0	14.1	14.2						
14.0	56.3	66.3	12.0	12.3						
16.0	46.9	64.6	9.1	9.6						
18.0	35.5	62.3	7.2	7.7						
Ángulo de pluma principal 83.0 [°]										
14.3	73.0	68.0	15.1	25.2						
16.0	66.4	67.3	15.1	18.0						
18.0	58.1	66.2	13.2	12.9						
20.0	48.9	64.6	10.0	10.0						
22.0	38.0	62.4	7.8	8.0						
Ángulo de pluma principal 75.0 [°]										
23.3	65.0	65.6	15.1	16.1						
24.0	62.0	65.2	15.1	14.8						
26.0	53.3	63.9	12.0	11.1						
28.0	43.3	62.0	9.1	8.8						
30.0	30.7	59.3	7.3	7.3						
Ángulo de pluma principal 65.0 [°]										
33.9	55.0	60.9		11.3						
34.0	54.4	60.9	11.4	11.3						
36.0	44.7	59.1	8.9	9.0						
38.0	32.6	56.5	7.1	7.4						
Ángulo de pluma principal 45.0 [°]										
51.9	35.0	46.4		6.4						
54.0	15.4	42.3	6.2	5.6						

Cargas pluma principal + plumín abatible + midfall

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Radio de descarga:	360 °	Cabeza de pluma principal:	2821-1
Valor de vuelco:	2 - Vía ancha		
Lastre trasero [t]:	94.0		
Lastre central [t]:	52.6		

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 38.5 m Plumín 16.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
8.6	78.0	68.8	15.1	30.1						
9.0	76.5	68.7	15.1	30.1						
10.0	72.8	68.4	15.1	30.1						
11.0	68.9	68.0	15.1	29.3						
12.0	65.0	67.5	15.1	23.8						
13.0	60.9	67.0	15.1	20.1						
14.0	56.6	66.3	15.1	17.2						
16.0	47.1	64.7	14.1	13.3						
18.0	35.7	62.3	11.3	10.7						
Ángulo de pluma principal 83.0 [°]										
14.3	73.0	68.0		30.1						
16.0	66.6	67.3	15.1	25.8						
18.0	58.3	66.2	15.1	18.1						
20.0	49.2	64.6	14.5	13.9						
22.0	38.3	62.4	11.7	11.0						
Ángulo de pluma principal 75.0 [°]										
23.3	65.0	65.6		22.5						
24.0	62.2	65.3	15.1	20.9						
26.0	53.5	63.9	14.9	15.3						
28.0	43.6	62.1	12.6	12.1						
30.0	31.0	59.3	10.0	9.9						
Ángulo de pluma principal 65.0 [°]										
33.9	55.0	60.9		14.7						
34.0	54.7	60.9		14.7						
36.0	44.9	59.2	12.8	11.8						
38.0	32.8	56.6	10.0	9.6						
Ángulo de pluma principal 45.0 [°]										
51.9	35.0	46.4		4.2						
54.0	15.8	42.4	4.2	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 38.5 m Plumín 19.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
9.2	78.0	71.7	15.1	30.1						
10.0	75.4	71.5	15.1	29.1						
11.0	72.2	71.2	15.1	24.9						
12.0	69.0	70.8	15.1	20.8						
13.0	65.7	70.4	15.1	17.7						
14.0	62.3	69.8	15.1	15.4						
16.0	55.1	68.6	13.0	12.1						
18.0	47.1	66.9	10.9	9.9						
20.0	37.8	64.6	8.7	8.3						
22.0	25.6	61.3	7.2	7.0						
Ángulo de pluma principal 83.0 [°]										
15.2	73.0	70.8	15.1	24.6						
16.0	70.3	70.5	15.1	22.1						
18.0	63.7	69.6	15.1	16.2						
20.0	56.6	68.4	13.5	12.7						
22.0	48.8	66.8	11.4	10.4						
24.0	39.8	64.7	9.1	8.6						
26.0	28.5	61.7	7.5	7.3						
Ángulo de pluma principal 75.0 [°]										
24.5	65.0	68.3		16.3						
26.0	59.9	67.5	14.6	14.0						
28.0	52.5	66.1	11.7	11.3						
30.0	44.2	64.3	9.4	9.3						
32.0	34.2	61.7	7.7	7.9						
Ángulo de pluma principal 65.0 [°]										
35.6	55.0	63.4		11.7						
36.0	53.5	63.2	13.0	11.6						
38.0	45.3	61.4	10.3	9.6						
40.0	35.6	58.9	8.3	8.0						
Ángulo de pluma principal 45.0 [°]										
54.3	35.0	48.2		5.9						
55.0	31.2	47.4	6.6	5.7						
57.0	17.0	42.7	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 41.5 m Plumín 19.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
9.2	78.0	71.7		30.1						
10.0	75.6	71.5	15.1	30.1						
11.0	72.4	71.2	15.1	29.8						
12.0	69.2	70.8	15.1	29.2						
13.0	65.9	70.4	15.1	24.6						
14.0	62.5	69.9	15.1	21.1						
16.0	55.3	68.6	15.1	16.4						
18.0	47.3	66.9	14.0	13.2						
20.0	38.0	64.7	11.1	10.7						
22.0	25.9	61.4	9.0	9.0						
Ángulo de pluma principal 83.0 [°]										
15.2	73.0	70.8		30.1						
16.0	70.5	70.6	15.1	29.5						
18.0	63.9	69.7	15.1	22.3						
20.0	56.8	68.5	15.1	17.1						
22.0	49.0	66.9	14.4	13.8						
24.0	40.1	64.7	11.6	11.2						
26.0	28.8	61.7	9.5	9.4						
Ángulo de pluma principal 75.0 [°]										
24.6	65.0	68.3		22.4						
26.0	60.1	67.6	15.1	19.1						
28.0	52.7	66.2	15.1	15.1						
30.0	44.4	64.3	13.4	12.3						
32.0	34.4	61.8	11.1	10.3						
Ángulo de pluma principal 65.0 [°]										
35.6	55.0	63.4		14.8						
36.0	53.7	63.2	15.1	14.8						
38.0	45.5	61.4	13.7	12.1						
40.0	35.8	59.0	10.8	10.0						
Ángulo de pluma principal 45.0 [°]										
54.4	35.0	48.1		3.3						
55.0	31.4	47.5	3.8	3.1						
57.0	17.5	42.8	3.1							

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 41.5 m Plumín 22.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
9.8	78.0	74.7	15.1	30.1						
10.0	77.4	74.6	15.1	30.1						
11.0	74.7	74.3	15.1	25.3						
12.0	72.0	74.0	15.1	21.2						
13.0	69.2	73.6	15.1	18.3						
14.0	66.4	73.2	15.1	15.9						
16.0	60.5	72.2	14.5	12.7						
18.0	54.2	70.8	11.2	10.3						
20.0	47.3	69.1	9.1	8.7						
22.0	39.4	66.9	7.5	7.3						
24.0	29.8	64.0	6.4	6.3						
Ángulo de pluma principal 83.0 [°]										
16.0	73.0	73.7		21.3						
18.0	67.5	73.0	15.1	16.8						
20.0	61.7	72.0	14.1	13.2						
22.0	55.5	70.7	11.1	10.7						
24.0	48.7	69.1	9.0	9.0						
26.0	41.1	67.0	7.5	7.6						
28.0	32.0	64.2	6.4	6.6						
Ángulo de pluma principal 75.0 [°]										
25.8	65.0	71.0		14.3						
26.0	64.4	71.0	15.1	14.3						
28.0	58.4	69.8	13.1	11.8						
30.0	51.9	68.4	10.3	9.7						
32.0	44.7	66.5	8.5	8.2						
34.0	36.4	64.1	7.1	7.0						
36.0	25.8	60.8	6.1	6.1						
Ángulo de pluma principal 65.0 [°]										
37.3	55.0	65.8		10.2						
38.0	52.7	65.4	10.7	9.9						
40.0	45.7	63.6	8.7	8.4						
42.0	37.6	61.3	7.2	7.1						
44.0	27.4	58.1	6.3	6.2						
Ángulo de pluma principal 45.0 [°]										
56.8	35.0	49.9		5.2						
60.0	15.7	43.1	5.1							

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 44.5 m Plumín 22.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
9.8	78.0	74.7		30.1						
10.0	77.6	74.7	15.1	30.1						
11.0	74.9	74.4	15.1	30.1						
12.0	72.1	74.1	15.1	28.0						
13.0	69.4	73.7	15.1	25.7						
14.0	66.5	73.2	15.1	22.1						
16.0	60.6	72.2	15.0	17.2						
18.0	54.3	70.8	14.2	13.9						
20.0	47.4	69.2	12.8	11.6						
22.0	39.6	67.0	10.2	9.7						
24.0	30.0	64.0	8.4	8.2						
Ángulo de pluma principal 83.0 [°]										
16.1	73.0	73.7		29.6						
18.0	67.7	73.0	15.1	23.5						
20.0	61.8	72.0	15.1	18.0						
22.0	55.6	70.7	13.4	14.4						
24.0	48.9	69.1	11.7	12.0						
26.0	41.3	67.0	9.6	10.0						
28.0	32.2	64.3	8.0	8.6						
Ángulo de pluma principal 75.0 [°]										
25.8	65.0	71.0		19.5						
26.0	64.6	71.0	15.1	19.5						
28.0	58.5	69.9	15.1	16.0						
30.0	52.1	68.4	13.2	13.0						
32.0	44.9	66.6	11.1	10.9						
34.0	36.6	64.2	9.1	9.3						
36.0	26.0	60.8	7.7	7.9						
Ángulo de pluma principal 65.0 [°]										
37.4	55.0	65.8		13.0						
38.0	52.9	65.4	14.3	12.8						
40.0	45.9	63.7	11.5	10.7						
42.0	37.8	61.4	9.3	9.0						
44.0	27.6	58.2	7.9	7.8						
Ángulo de pluma principal 45.0 [°]										
56.8	35.0	49.9		2.7						
60.0	16.2	43.2	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 44.5 m Plumín 25.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
10.4	78.0	77.6	15.1	26.8						
11.0	76.6	77.5	15.1	25.8						
12.0	74.2	77.2	15.1	21.7						
13.0	71.8	76.8	15.1	18.6						
14.0	69.4	76.5	15.1	16.4						
16.0	64.3	75.6	12.4	13.0						
18.0	59.1	74.4	10.3	10.7						
20.0	53.5	73.1	8.4	9.0						
22.0	47.4	71.3	7.1	7.7						
24.0	40.6	69.2	6.1	6.6						
26.0	32.6	66.5	5.4	5.8						
28.0	22.1	62.6	4.7	5.0						
Ángulo de pluma principal 83.0 [°]										
16.9	73.0	76.6		18.8						
18.0	70.4	76.2	15.1	17.1						
20.0	65.4	75.3	14.0	13.5						
22.0	60.1	74.3	12.1	11.1						
24.0	54.6	72.9	9.6	9.3						
26.0	48.6	71.3	8.0	7.9						
28.0	42.0	69.3	6.8	6.8						
30.0	34.4	66.7	5.9	5.9						
32.0	24.6	63.1	5.1	5.2						
Ángulo de pluma principal 75.0 [°]										
27.1	65.0	73.8	13.2	12.8						
28.0	62.6	73.3	12.6	12.2						
30.0	57.2	72.1	10.1	10.1						
32.0	51.5	70.6	8.3	8.5						
34.0	45.2	68.8	7.1	7.3						
36.0	38.1	66.5	6.1	6.3						
38.0	29.5	63.4	5.3	5.6						
Ángulo de pluma principal 65.0 [°]										
39.0	55.0	68.3		9.0						
40.0	52.2	67.7	8.9	8.7						
42.0	46.0	65.9	7.5	7.4						
44.0	39.0	63.6	6.4	6.4						
46.0	30.7	60.7	5.6	5.7						
Ángulo de pluma principal 45.0 [°]										
59.3	35.0	51.6		4.6						
60.0	31.8	50.7	5.1	4.5						
62.0	20.8	46.7	4.6	4.0						

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 47.5 m Plumín 25.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
10.5	78.0	77.6	15.1	30.1						
11.0	76.7	77.5	15.1	30.1						
12.0	74.4	77.2	15.1	29.8						
13.0	71.9	76.9	15.1	26.1						
14.0	69.5	76.5	15.1	22.7						
16.0	64.5	75.6	15.1	17.7						
18.0	59.2	74.5	14.2	14.4						
20.0	53.6	73.1	12.4	11.9						
22.0	47.5	71.4	10.7	10.1						
24.0	40.8	69.3	8.8	8.5						
26.0	32.8	66.5	7.4	7.3						
28.0	22.3	62.6	6.3	6.3						
Ángulo de pluma principal 83.0 [°]										
17.0	73.0	76.6	15.1	26.2						
18.0	70.5	76.2	15.1	24.0						
20.0	65.5	75.4	15.1	18.5						
22.0	60.3	74.3	14.6	15.0						
24.0	54.8	73.0	12.3	12.3						
26.0	48.8	71.3	10.5	10.4						
28.0	42.2	69.3	8.8	8.9						
30.0	34.5	66.7	7.4	7.6						
32.0	24.8	63.1	6.3	6.5						
Ángulo de pluma principal 75.0 [°]										
27.1	65.0	73.8		17.1						
28.0	62.7	73.4	15.1	16.4						
30.0	57.3	72.1	14.2	13.5						
32.0	51.6	70.7	11.5	11.3						
34.0	45.3	68.8	9.6	9.6						
36.0	38.2	66.5	8.0	8.2						
38.0	29.6	63.5	6.9	7.2						
Ángulo de pluma principal 65.0 [°]										
39.1	55.0	68.3		11.4						
40.0	52.4	67.7	11.4	11.0						
42.0	46.2	65.9	9.3	9.4						
44.0	39.2	63.7	7.8	8.0						
46.0	30.8	60.7	6.7	7.0						
Ángulo de pluma principal 45.0 [°]										
59.5	35.0	51.6	2.3							
60.0	32.9	50.8	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 47.5 m Plumín 28.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
11.0	78.0	80.5		30.1						
12.0	76.0	80.3	15.1	30.1						
13.0	73.8	80.0	15.1	29.7						
14.0	71.7	79.7	15.1	26.2						
16.0	67.3	78.9	15.1	21.4						
18.0	62.7	77.9	15.1	17.8						
20.0	57.9	76.7	14.5	15.3						
22.0	52.9	75.3	13.7	13.4						
24.0	47.5	73.6	12.6	11.9						
26.0	41.5	71.5	11.0	10.7						
28.0	34.6	68.9	9.7	9.7						
30.0	26.2	65.4	8.8	8.9						
Ángulo de pluma principal 83.0 [°]										
17.8	73.0	79.4	15.1	26.6						
18.0	72.5	79.4	15.1	26.5						
20.0	68.2	78.6	15.1	22.2						
22.0	63.6	77.7	15.1	18.3						
24.0	58.9	76.6	14.7	15.8						
26.0	53.9	75.2	14.0	13.7						
28.0	48.6	73.5	13.0	12.2						
30.0	42.7	71.5	11.4	10.9						
32.0	36.1	69.0	10.0	9.9						
34.0	28.1	65.8	9.1	9.1						
Ángulo de pluma principal 75.0 [°]										
28.3	65.0	76.5		18.3						
30.0	61.1	75.6	15.1	16.8						
32.0	56.3	74.4	14.6	14.6						
34.0	51.1	72.9	13.5	12.9						
36.0	45.5	71.0	12.1	11.5						
38.0	39.3	68.8	10.6	10.3						
40.0	32.0	65.9	9.5	9.4						
42.0	22.7	62.0	8.6	8.7						
Ángulo de pluma principal 65.0 [°]										
40.8	55.0	70.8		13.6						
42.0	51.8	69.9	14.0	13.1						
44.0	46.2	68.1	12.3	11.7						
46.0	40.1	65.9	10.8	10.5						
48.0	33.0	63.2	9.6	9.6						
50.0	24.0	59.4	8.7	8.8						
Ángulo de pluma principal 45.0 [°]										
61.7	35.0	53.3		4.0						
65.0	19.6	47.2	3.8	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 50.5 m Plumín 19.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
9.2	78.0	71.7	15.1	30.1						
10.0	75.4	71.5	15.1	30.1						
11.0	72.2	71.2	15.1	28.8						
12.0	69.0	70.8	15.1	26.0						
13.0	65.7	70.4	15.1	22.2						
14.0	62.3	69.8	15.1	19.2						
16.0	55.1	68.6	14.9	15.0						
18.0	47.1	66.9	13.8	12.3						
20.0	37.8	64.6	10.8	10.1						
22.0	25.6	61.3	8.8	8.5						
Ángulo de pluma principal 83.0 [°]										
15.2	73.0	70.8	15.1	29.6						
16.0	70.3	70.5	15.1	27.8						
18.0	63.7	69.6	15.1	20.2						
20.0	56.6	68.4	15.1	15.7						
22.0	48.8	66.8	14.5	12.7						
24.0	39.8	64.7	11.4	10.5						
26.0	28.5	61.7	9.3	8.9						
Ángulo de pluma principal 75.0 [°]										
24.5	65.0	68.3		19.9						
26.0	59.9	67.5	15.1	17.5						
28.0	52.5	66.1	14.8	13.9						
30.0	44.2	64.3	12.8	11.5						
32.0	34.2	61.7	10.2	9.6						
Ángulo de pluma principal 65.0 [°]										
35.6	55.0	63.4		14.3						
36.0	53.5	63.2	15.1	14.3						
38.0	45.3	61.4	13.2	11.9						
40.0	35.6	58.9	10.6	9.9						
Ángulo de pluma principal 45.0 [°]										
54.3	35.0	48.2		4.0						
55.0	31.2	47.4	4.7	3.7						
57.0	17.0	42.7	4.0							

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 50.5 m Plumín 28.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
11.1	78.0	80.5	15.1	30.1						
12.0	76.1	80.3	15.1	30.1						
13.0	73.9	80.0	15.1	30.1						
14.0	71.8	79.7	15.1	29.0						
16.0	67.4	78.9	15.1	25.5						
18.0	62.8	77.9	15.1	20.9						
20.0	58.1	76.8	15.0	17.7						
22.0	53.0	75.3	14.9	15.2						
24.0	47.6	73.6	13.9	13.4						
26.0	41.6	71.5	11.9	11.8						
28.0	34.8	68.9	10.4	10.5						
30.0	26.4	65.5	9.2	9.4						
Ángulo de pluma principal 83.0 [°]										
17.8	73.0	79.5		30.1						
18.0	72.7	79.4	15.1	30.1						
20.0	68.3	78.7	15.1	26.5						
22.0	63.8	77.7	15.1	21.6						
24.0	59.1	76.6	15.1	18.3						
26.0	54.1	75.2	15.1	15.7						
28.0	48.7	73.6	14.3	13.8						
30.0	42.9	71.6	12.3	12.1						
32.0	36.3	69.1	10.7	10.8						
34.0	28.3	65.9	9.5	9.7						
Ángulo de pluma principal 75.0 [°]										
28.4	65.0	76.5		21.6						
30.0	61.3	75.7	15.1	19.7						
32.0	56.4	74.4	15.1	16.8						
34.0	51.2	72.9	15.1	14.6						
36.0	45.7	71.1	13.7	12.9						
38.0	39.4	68.8	11.9	11.4						
40.0	32.2	66.0	10.5	10.3						
42.0	22.8	62.1	9.3	9.2						
Ángulo de pluma principal 65.0 [°]										
40.8	55.0	70.8		11.8						
42.0	51.9	69.9	12.8	11.1						
44.0	46.4	68.1	11.8	10.1						
46.0	40.3	66.0	10.8	9.2						
48.0	33.2	63.2	9.7	8.4						
50.0	24.2	59.5	8.7	7.6						
51.0	18.1	57.0	8.2	7.2						

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 53.5 m Plumín 22.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
9.8	78.0	74.7	15.1	30.1						
10.0	77.4	74.6	15.1	30.1						
11.0	74.7	74.3	15.1	28.3						
12.0	72.0	74.0	15.1	24.3						
13.0	69.2	73.6	15.1	20.8						
14.0	66.4	73.2	15.1	18.1						
16.0	60.5	72.2	15.0	14.3						
18.0	54.2	70.8	12.2	11.5						
20.0	47.3	69.1	10.2	9.5						
22.0	39.4	66.9	8.2	7.9						
24.0	29.8	64.0	6.8	6.7						
Ángulo de pluma principal 83.0 [°]										
16.0	73.0	73.7		23.6						
18.0	67.5	73.0	15.1	19.1						
20.0	61.7	72.0	15.1	14.9						
22.0	55.5	70.7	12.3	11.9						
24.0	48.7	69.1	10.1	9.9						
26.0	41.1	67.0	8.2	8.2						
28.0	32.0	64.2	6.8	7.0						
Ángulo de pluma principal 75.0 [°]										
25.8	65.0	71.0		15.8						
26.0	64.4	71.0	15.1	15.8						
28.0	58.4	69.8	14.6	13.2						
30.0	51.9	68.4	11.7	10.7						
32.0	44.7	66.5	9.5	9.0						
34.0	36.4	64.1	7.7	7.6						
36.0	25.8	60.8	6.6	6.5						
Ángulo de pluma principal 65.0 [°]										
37.3	55.0	65.8		11.2						
38.0	52.7	65.4	12.1	11.1						
40.0	45.7	63.6	9.8	9.3						
42.0	37.6	61.3	8.0	7.8						
44.0	27.4	58.1	6.8	6.7						
Ángulo de pluma principal 45.0 [°]										
56.8	35.0	49.9		3.3						
60.0	15.7	43.1	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 53.5 m Plumín 31.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
11.7	78.0	83.5		30.1						
12.0	77.5	83.4	15.1	30.1						
13.0	75.5	83.2	15.1	30.1						
14.0	73.6	82.9	15.1	29.9						
16.0	69.7	82.2	15.1	24.2						
18.0	65.7	81.3	15.1	19.9						
20.0	61.5	80.3	15.1	16.8						
22.0	57.2	79.0	13.7	14.5						
24.0	52.6	77.6	12.5	12.6						
26.0	47.7	75.9	11.2	11.1						
28.0	42.3	73.8	9.7	9.8						
30.0	36.3	71.3	8.4	8.7						
32.0	29.2	68.1	7.5	7.9						
Ángulo de pluma principal 83.0 [°]										
18.7	73.0	82.3		27.3						
20.0	70.5	81.9	15.1	25.3						
22.0	66.5	81.1	15.1	20.7						
24.0	62.4	80.1	15.1	17.3						
26.0	58.1	78.9	14.2	14.9						
28.0	53.5	77.5	13.2	12.9						
30.0	48.7	75.8	12.0	11.4						
32.0	43.4	73.8	10.3	10.1						
34.0	37.6	71.4	9.0	9.0						
36.0	30.8	68.4	8.0	8.1						
38.0	22.0	64.4	7.1	7.2						
Ángulo de pluma principal 75.0 [°]										
29.7	65.0	79.2	15.1	18.2						
30.0	64.3	79.1	15.1	18.2						
32.0	60.1	78.0	15.1	15.9						
34.0	55.6	76.7	14.1	13.8						
36.0	50.9	75.1	12.7	12.1						
38.0	45.9	73.3	11.1	10.7						
40.0	40.4	71.1	9.6	9.5						
42.0	34.1	68.4	8.5	8.6						
44.0	26.4	65.0	7.6	7.7						
Ángulo de pluma principal 65.0 [°]										
42.5	55.0	73.2		10.6						
44.0	51.6	72.2	11.4	9.9						
46.0	46.6	70.4	10.4	9.0						
48.0	41.1	68.2	9.1	8.2						
50.0	34.9	65.6	8.0	7.4						
54.0	17.1	57.4	6.5	6.1						

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 56.5 m Plumín 22.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
9.8	78.0	74.7		30.1						
10.0	77.6	74.7	15.1	30.1						
11.0	74.9	74.4	15.1	30.1						
12.0	72.1	74.1	15.1	29.0						
13.0	69.4	73.7	15.1	27.3						
14.0	66.5	73.2	15.1	24.0						
16.0	60.6	72.2	15.1	18.6						
18.0	54.3	70.8	14.8	15.0						
20.0	47.4	69.2	13.8	12.5						
22.0	39.6	67.0	11.0	10.4						
24.0	30.0	64.0	9.0	8.8						
Ángulo de pluma principal 83.0 [°]										
16.1	73.0	73.7		30.1						
18.0	67.7	73.0	15.1	25.4						
20.0	61.8	72.0	15.1	19.5						
22.0	55.6	70.7	15.1	15.6						
24.0	48.9	69.1	14.4	13.0						
26.0	41.3	67.0	11.6	10.8						
28.0	32.2	64.3	9.5	9.1						
Ángulo de pluma principal 75.0 [°]										
25.8	65.0	71.0		20.7						
26.0	64.6	71.0	15.1	20.7						
28.0	58.5	69.9	15.1	17.2						
30.0	52.1	68.4	14.7	14.0						
32.0	44.9	66.6	12.9	11.8						
34.0	36.6	64.2	10.5	9.9						
36.0	26.0	60.8	8.7	8.5						
Ángulo de pluma principal 65.0 [°]										
37.4	55.0	65.8		10.7						
38.0	52.9	65.4	12.9	10.2						
40.0	45.9	63.7	11.5	8.9						
42.0	37.8	61.4	10.2	7.7						
44.0	27.6	58.2	8.6	6.7						
45.0	20.7	55.9	7.8	6.2						

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 56.5 m Plumín 25.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
10.4	78.0	77.6	15.1	29.3						
11.0	76.6	77.5	15.1	29.2						
12.0	74.2	77.2	15.1	24.6						
13.0	71.8	76.8	15.1	21.1						
14.0	69.4	76.5	15.1	18.5						
16.0	64.3	75.6	14.1	14.7						
18.0	59.1	74.4	12.6	12.2						
20.0	53.5	73.1	10.3	10.2						
22.0	47.4	71.3	8.7	8.8						
24.0	40.6	69.2	7.4	7.6						
26.0	32.6	66.5	6.4	6.6						
28.0	22.1	62.6	5.6	5.8						
Ángulo de pluma principal 83.0 [°]										
16.9	73.0	76.6		21.0						
18.0	70.4	76.2	15.1	19.6						
20.0	65.4	75.3	14.7	15.4						
22.0	60.1	74.3	13.6	12.7						
24.0	54.6	72.9	11.1	10.6						
26.0	48.6	71.3	9.4	9.1						
28.0	42.0	69.3	7.9	7.8						
30.0	34.4	66.7	6.8	6.8						
32.0	24.6	63.1	6.0	6.0						
Ángulo de pluma principal 75.0 [°]										
27.1	65.0	73.8	14.5	14.3						
28.0	62.6	73.3	14.2	13.8						
30.0	57.2	72.1	11.6	11.5						
32.0	51.5	70.6	9.6	9.7						
34.0	45.2	68.8	8.2	8.4						
36.0	38.1	66.5	7.0	7.3						
38.0	29.5	63.4	6.2	6.4						
Ángulo de pluma principal 65.0 [°]										
39.0	55.0	68.3		10.2						
40.0	52.2	67.7	10.3	9.9						
42.0	46.0	65.9	8.6	8.6						
44.0	39.0	63.6	7.4	7.4						
46.0	30.7	60.7	6.5	6.6						
Ángulo de pluma principal 45.0 [°]										
59.3	35.0	51.6		2.7						
60.0	31.8	50.7	3.3	2.4						
62.0	22.3	46.7	2.8							

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 59.5 m Plumín 25.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
10.5	78.0	77.6	15.1	30.1						
11.0	76.7	77.5	15.1	30.1						
12.0	74.4	77.2	15.1	30.1						
13.0	71.9	76.9	15.1	27.6						
14.0	69.5	76.5	15.1	24.4						
16.0	64.5	75.6	15.1	19.1						
18.0	59.2	74.5	14.3	15.5						
20.0	53.6	73.1	12.1	12.8						
22.0	47.5	71.4	10.4	10.9						
24.0	40.8	69.3	8.7	9.2						
26.0	32.8	66.5	7.3	7.8						
28.0	22.3	62.6	6.2	6.7						
Ángulo de pluma principal 83.0 [°]										
17.0	73.0	76.6	15.1	27.4						
18.0	70.5	76.2	15.1	26.0						
20.0	65.5	75.4	15.1	20.0						
22.0	60.3	74.3	15.0	16.2						
24.0	54.8	73.0	13.0	13.3						
26.0	48.8	71.3	11.4	11.3						
28.0	42.2	69.3	9.4	9.5						
30.0	34.5	66.7	7.8	8.2						
32.0	24.8	63.1	6.7	7.0						
Ángulo de pluma principal 75.0 [°]										
27.1	65.0	73.8		18.1						
28.0	62.7	73.4	15.1	17.7						
30.0	57.3	72.1	15.0	14.6						
32.0	51.6	70.7	12.3	12.2						
34.0	45.3	68.8	10.4	10.4						
36.0	38.2	66.5	8.6	8.8						
38.0	29.6	63.5	7.4	7.7						
Ángulo de pluma principal 65.0 [°]										
39.1	55.0	68.3		9.5						
40.0	52.4	67.7	11.2	9.0						
42.0	46.2	65.9	10.0	7.8						
44.0	39.2	63.7	8.5	6.8						
46.0	30.8	60.7	7.2	5.9						
48.0	19.3	56.5	6.2	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 59.5 m Plumín 28.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
11.0	78.0	80.5		27.0						
12.0	76.0	80.3	15.1	25.7						
13.0	73.8	80.0	15.1	22.2						
14.0	71.7	79.7	15.1	19.4						
16.0	67.3	78.9	14.5	15.5						
18.0	62.7	77.9	12.8	12.7						
20.0	57.9	76.7	10.9	10.7						
22.0	52.9	75.3	8.9	9.0						
24.0	47.5	73.6	7.5	7.7						
26.0	41.5	71.5	6.4	6.6						
28.0	34.6	68.9	5.5	5.7						
30.0	26.2	65.4	4.8	5.0						
Ángulo de pluma principal 83.0 [°]										
17.8	73.0	79.4	15.1	19.3						
18.0	72.5	79.4	15.1	19.2						
20.0	68.2	78.6	15.1	16.1						
22.0	63.6	77.7	13.6	13.2						
24.0	58.9	76.6	11.8	11.1						
26.0	53.9	75.2	9.6	9.3						
28.0	48.6	73.5	8.1	8.0						
30.0	42.7	71.5	6.9	6.9						
32.0	36.1	69.0	5.9	6.0						
34.0	28.1	65.8	5.2	5.3						
Ángulo de pluma principal 75.0 [°]										
28.3	65.0	76.5		13.1						
30.0	61.1	75.6	12.4	12.0						
32.0	56.3	74.4	10.2	10.1						
34.0	51.1	72.9	8.4	8.6						
36.0	45.5	71.0	7.2	7.4						
38.0	39.3	68.8	6.2	6.4						
40.0	32.0	65.9	5.5	5.6						
42.0	22.7	62.0	4.8	5.0						
Ángulo de pluma principal 65.0 [°]										
40.8	55.0	70.8		9.2						
42.0	51.8	69.9	9.0	8.9						
44.0	46.2	68.1	7.7	7.6						
46.0	40.1	65.9	6.6	6.6						
48.0	33.0	63.2	5.7	5.8						
50.0	24.0	59.4	5.1	5.1						
Ángulo de pluma principal 45.0 [°]										
61.9	35.0	53.3	2.7							
64.0	26.3	49.6	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 62.5 m Plumín 28.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
11.1	78.0	80.5	15.1	30.1						
12.0	76.1	80.3	15.1	30.1						
13.0	73.9	80.0	15.1	26.9						
14.0	71.8	79.7	15.1	23.5						
16.0	67.4	78.9	15.0	18.5						
18.0	62.8	77.9	14.8	14.9						
20.0	58.1	76.8	12.9	12.4						
22.0	53.0	75.3	10.4	10.3						
24.0	47.6	73.6	8.7	8.8						
26.0	41.6	71.5	7.3	7.5						
28.0	34.8	68.9	6.2	6.4						
30.0	26.4	65.5	5.3	5.5						
Ángulo de pluma principal 83.0 [°]										
17.8	73.0	79.5		23.3						
18.0	72.7	79.4	15.1	23.3						
20.0	68.3	78.7	15.1	19.2						
22.0	63.8	77.7	15.1	15.4						
24.0	59.1	76.6	13.9	12.9						
26.0	54.1	75.2	11.3	10.7						
28.0	48.7	73.6	9.4	9.2						
30.0	42.9	71.6	7.9	7.8						
32.0	36.3	69.1	6.6	6.7						
34.0	28.3	65.9	5.7	5.7						
Ángulo de pluma principal 75.0 [°]										
28.4	65.0	76.5		15.3						
30.0	61.3	75.7	14.8	14.0						
32.0	56.4	74.4	12.7	11.7						
34.0	51.2	72.9	10.3	9.9						
36.0	45.7	71.1	8.6	8.5						
38.0	39.4	68.8	7.3	7.2						
40.0	32.2	66.0	6.2	6.3						
42.0	22.8	62.1	5.3	5.3						
Ángulo de pluma principal 65.0 [°]										
40.8	55.0	70.8		8.6						
42.0	51.9	69.9	9.6	7.9						
44.0	46.4	68.1	8.1	6.9						
46.0	40.3	66.0	6.8	6.0						
48.0	33.2	63.2	5.9	5.2						
50.0	24.2	59.5	5.1	4.5						
51.0	18.1	57.0	4.7	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 62.5 m Plumín 31.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
11.7	78.0	83.5	15.1	24.5						
12.0	77.3	83.4	15.1	24.5						
13.0	75.4	83.1	15.1	22.5						
14.0	73.5	82.8	15.1	19.9						
16.0	69.6	82.1	15.1	15.8						
18.0	65.6	81.3	13.4	13.0						
20.0	61.4	80.2	11.6	11.1						
22.0	57.0	79.0	9.7	9.3						
24.0	52.4	77.5	8.0	7.9						
26.0	47.5	75.8	6.8	6.9						
28.0	42.2	73.8	5.9	6.0						
30.0	36.2	71.3	5.1	5.2						
32.0	29.1	68.1	4.5	4.6						
Ángulo de pluma principal 83.0 [°]										
18.7	73.0	82.3	15.1	17.5						
20.0	70.4	81.9	15.1	16.5						
22.0	66.4	81.0	14.5	13.5						
24.0	62.2	80.0	12.0	11.3						
26.0	57.9	78.8	10.1	9.6						
28.0	53.4	77.4	8.3	8.2						
30.0	48.6	75.8	7.1	7.2						
32.0	43.3	73.8	6.2	6.2						
34.0	37.5	71.4	5.3	5.4						
36.0	30.6	68.4	4.7	4.8						
38.0	21.9	64.3	4.1	4.2						
Ángulo de pluma principal 75.0 [°]										
29.6	65.0	79.2		11.9						
30.0	64.2	79.0	12.7	11.9						
32.0	59.9	77.9	10.9	10.4						
34.0	55.5	76.6	9.1	8.9						
36.0	50.8	75.1	7.7	7.7						
38.0	45.8	73.3	6.7	6.7						
40.0	40.2	71.1	5.8	5.8						
42.0	33.9	68.4	5.0	5.1						
44.0	26.3	64.9	4.5	4.6						
Ángulo de pluma principal 65.0 [°]										
42.5	55.0	73.2		8.3						
44.0	51.4	72.1	7.9	7.9						
46.0	46.4	70.3	6.8	6.9						
48.0	41.0	68.2	5.9	6.0						
50.0	34.8	65.6	5.2	5.3						
Ángulo de pluma principal 45.0 [°]										
64.4	35.0	55.1	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 65.5 m Plumín 31.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
11.7	78.0	83.5		30.1						
12.0	77.5	83.4	15.1	30.1						
13.0	75.5	83.2	15.1	30.0						
14.0	73.6	82.9	15.1	29.2						
16.0	69.7	82.2	15.1	23.4						
18.0	65.7	81.3	15.1	19.3						
20.0	61.5	80.3	15.1	16.3						
22.0	57.2	79.0	13.5	13.9						
24.0	52.6	77.6	11.9	12.1						
26.0	47.7	75.9	10.4	10.4						
28.0	42.3	73.8	8.4	8.6						
30.0	36.3	71.3	6.8	7.2						
32.0	29.2	68.1	5.4	5.7						
Ángulo de pluma principal 83.0 [°]										
18.7	73.0	82.3		25.9						
20.0	70.5	81.9	15.1	24.6						
22.0	66.5	81.1	15.1	20.0						
24.0	62.4	80.1	15.1	16.7						
26.0	58.1	78.9	13.9	14.4						
28.0	53.5	77.5	12.3	12.4						
30.0	48.7	75.8	11.0	11.0						
32.0	43.4	73.8	9.5	9.6						
34.0	37.6	71.4	8.2	8.4						
36.0	30.8	68.4	7.1	7.4						
38.0	22.0	64.4	6.1	6.4						
Ángulo de pluma principal 75.0 [°]										
29.7	65.0	79.2	15.1	17.3						
30.0	64.3	79.1	15.1	17.3						
32.0	60.1	78.0	15.0	15.4						
34.0	55.6	76.7	13.7	13.3						
36.0	50.9	75.1	11.7	11.6						
38.0	45.9	73.3	10.2	10.3						
40.0	40.4	71.1	8.9	9.1						
42.0	34.1	68.4	7.8	8.1						
44.0	26.4	65.0	7.0	7.3						
Ángulo de pluma principal 65.0 [°]										
42.5	55.0	73.2		7.6						
44.0	51.6	72.2	8.4	6.8						
46.0	46.6	70.4	7.4	6.0						
48.0	41.1	68.2	6.5	5.2						
50.0	34.9	65.6	5.7	4.4						
54.0	17.1	57.4	4.1	3.1						

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 65.5 m Plumín 34.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
12.3	78.0	86.4	15.1	22.3						
13.0	76.8	86.2	15.1	22.3						
14.0	75.0	86.0	15.1	19.9						
16.0	71.5	85.3	15.1	16.0						
18.0	67.9	84.6	14.6	13.4						
20.0	64.1	83.6	11.9	11.2						
22.0	60.3	82.5	10.0	9.6						
24.0	56.3	81.3	8.4	8.2						
26.0	52.1	79.8	7.1	7.0						
28.0	47.6	78.1	6.1	6.2						
30.0	42.8	76.0	5.3	5.4						
32.0	37.4	73.6	4.6	4.7						
34.0	31.2	70.6	4.1	4.1						
36.0	23.6	66.7	3.6	3.7						
Ángulo de pluma principal 83.0 [°]										
19.5	73.0	85.2		16.0						
20.0	72.2	85.0	15.1	16.0						
22.0	68.6	84.3	14.5	13.7						
24.0	64.9	83.4	12.4	11.5						
26.0	61.1	82.3	10.3	9.9						
28.0	57.1	81.1	8.7	8.5						
30.0	52.9	79.7	7.3	7.3						
32.0	48.5	78.0	6.4	6.4						
34.0	43.8	76.0	5.5	5.6						
36.0	38.5	73.7	4.8	4.9						
38.0	32.6	70.9	4.3	4.3						
40.0	25.3	67.2	3.8	3.9						
Ángulo de pluma principal 75.0 [°]										
30.9	65.0	81.9	11.3	10.8						
32.0	62.9	81.4	11.3	10.7						
34.0	59.0	80.2	9.3	9.1						
36.0	54.9	78.9	7.9	7.9						
38.0	50.6	77.3	6.8	6.9						
40.0	46.0	75.5	6.0	6.0						
42.0	41.0	73.4	5.2	5.3						
44.0	35.4	70.8	4.5	4.6						
46.0	28.9	67.5	4.1	4.2						
48.0	20.4	63.2	3.6	3.7						
Ángulo de pluma principal 65.0 [°]										
44.2	55.0	75.7		7.5						
46.0	51.1	74.4	7.0	7.1						
48.0	46.6	72.6	6.1	6.1						
50.0	41.7	70.5	5.3	5.4						
55.0	26.0	62.9	3.9	4.0						
57.0	16.1	57.8	3.5	3.6						

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 68.5 m Plumín 34.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
12.3	78.0	86.4		30.1						
13.0	76.8	86.3	15.1	30.1						
14.0	75.1	86.0	15.1	27.9						
16.0	71.6	85.4	15.1	22.2						
18.0	68.0	84.6	15.0	18.4						
20.0	64.2	83.7	14.4	15.4						
22.0	60.4	82.6	13.7	13.3						
24.0	56.4	81.3	11.5	11.4						
26.0	52.2	79.8	9.8	9.9						
28.0	47.7	78.1	8.4	8.7						
30.0	42.9	76.1	7.2	7.5						
32.0	37.5	73.7	6.1	6.5						
34.0	31.4	70.7	5.1	5.4						
36.0	23.8	66.8	3.9	4.1						
Ángulo de pluma principal 83.0 [°]										
19.6	73.0	85.2		22.4						
20.0	72.3	85.1	15.1	22.3						
22.0	68.7	84.3	15.1	18.9						
24.0	65.0	83.4	14.9	15.9						
26.0	61.2	82.4	14.7	13.7						
28.0	57.2	81.2	12.4	11.8						
30.0	53.1	79.7	10.5	10.2						
32.0	48.6	78.0	9.1	9.1						
34.0	43.9	76.1	7.9	8.0						
36.0	38.6	73.8	6.9	7.0						
38.0	32.7	70.9	6.1	6.2						
40.0	25.5	67.3	5.3	5.5						
Ángulo de pluma principal 75.0 [°]										
30.9	65.0	81.9		14.9						
32.0	63.0	81.4	15.1	14.7						
34.0	59.1	80.3	12.9	12.6						
36.0	55.0	78.9	11.0	10.9						
38.0	50.7	77.4	9.4	9.6						
40.0	46.1	75.5	8.3	8.5						
42.0	41.1	73.4	7.2	7.5						
44.0	35.5	70.8	6.4	6.7						
46.0	29.0	67.6	5.7	6.0						
48.0	20.6	63.3	5.1	5.3						
Ángulo de pluma principal 65.0 [°]										
44.2	55.0	75.7		6.8						
46.0	51.3	74.4	7.4	6.0						
48.0	46.7	72.6	6.5	5.3						
50.0	41.8	70.5	5.7	4.5						
55.0	26.2	63.0	3.9	3.0						
57.0	16.3	57.9	3.2	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 68.5 m Plumín 37.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
12.9	78.0	89.3	15.1	21.7						
13.0	77.8	89.3	15.1	21.7						
14.0	76.3	89.1	15.1	21.3						
16.0	73.0	88.5	15.1	17.2						
18.0	69.7	87.8	14.9	14.3						
20.0	66.4	87.0	13.1	12.2						
22.0	62.9	86.0	10.8	10.4						
24.0	59.4	84.8	9.2	9.1						
26.0	55.7	83.5	7.9	7.8						
28.0	51.8	82.0	6.8	6.9						
30.0	47.6	80.3	6.0	6.1						
32.0	43.2	78.3	5.3	5.4						
34.0	38.4	75.9	4.7	4.8						
36.0	32.9	73.1	4.1	4.3						
38.0	26.5	69.6	3.7	3.8						
Ángulo de pluma principal 83.0 [°]										
20.4	73.0	88.0		15.7						
22.0	70.4	87.5	15.1	14.9						
24.0	67.1	86.7	13.7	12.7						
26.0	63.6	85.8	11.2	10.7						
28.0	60.1	84.7	9.6	9.4						
30.0	56.4	83.4	8.2	8.1						
32.0	52.6	81.9	7.1	7.1						
34.0	48.5	80.2	6.2	6.3						
36.0	44.1	78.3	5.5	5.6						
38.0	39.4	76.0	4.8	4.9						
40.0	34.1	73.3	4.3	4.4						
42.0	27.9	69.9	3.9	4.0						
44.0	19.9	65.4	3.4	3.6						
Ángulo de pluma principal 75.0 [°]										
32.1	65.0	84.6		10.7						
34.0	61.7	83.7	10.4	10.1						
36.0	58.1	82.5	8.8	8.7						
38.0	54.4	81.1	7.6	7.6						
40.0	50.4	79.6	6.6	6.7						
42.0	46.2	77.7	5.9	6.0						
44.0	41.6	75.6	5.2	5.3						
46.0	36.6	73.1	4.6	4.7						
48.0	30.9	70.1	4.2	4.3						
50.0	23.9	66.2	3.7	3.8						
Ángulo de pluma principal 65.0 [°]										
45.9	55.0	78.1		7.4						
46.0	54.8	78.1	7.2	7.4						
48.0	50.9	76.6	6.8	6.9						
50.0	46.7	74.8	6.0	6.1						
55.0	34.6	68.9	4.5	4.6						
60.0	15.4	58.2	3.4	3.5						

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]: 94.0
 Lastre central [t]: 52.6

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 71.5 m Plumín 37.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
13.0	78.0	89.4	15.1	27.0						
14.0	76.3	89.1	15.1	26.3						
16.0	73.1	88.5	15.1	21.0						
18.0	69.8	87.8	15.1	17.1						
20.0	66.5	87.0	13.8	14.4						
22.0	63.0	86.0	12.1	12.3						
24.0	59.5	84.9	10.6	10.6						
26.0	55.8	83.6	9.0	9.2						
28.0	51.9	82.1	7.7	8.0						
30.0	47.7	80.3	6.7	7.0						
32.0	43.3	78.3	5.7	6.0						
34.0	38.5	76.0	4.8	5.1						
36.0	33.0	73.1	4.1	4.3						
38.0	26.6	69.6	3.1	3.2						
Ángulo de pluma principal 83.0 [°]										
20.5	73.0	88.1	15.1	19.0						
22.0	70.5	87.5	15.1	17.9						
24.0	67.2	86.7	15.0	15.0						
26.0	63.7	85.8	13.0	12.6						
28.0	60.2	84.7	11.5	11.0						
30.0	56.5	83.4	9.7	9.5						
32.0	52.7	82.0	8.2	8.2						
34.0	48.6	80.3	7.1	7.3						
36.0	44.2	78.3	6.2	6.3						
38.0	39.5	76.1	5.4	5.5						
40.0	34.2	73.3	4.7	4.9						
42.0	28.0	70.0	4.1	4.2						
44.0	20.1	65.5	3.5	3.6						
Ángulo de pluma principal 75.0 [°]										
32.2	65.0	84.6		12.5						
34.0	61.8	83.7	12.5	11.8						
36.0	58.2	82.6	10.5	10.2						
38.0	54.5	81.2	8.9	8.8						
40.0	50.5	79.6	7.7	7.7						
42.0	46.3	77.8	6.7	6.8						
44.0	41.7	75.7	5.9	6.0						
46.0	36.7	73.2	5.1	5.3						
48.0	31.0	70.2	4.6	4.7						
50.0	24.0	66.3	4.0	4.1						
Ángulo de pluma principal 65.0 [°]										
46.0	55.0	78.1		5.9						
48.0	51.0	76.6	6.2	5.1						
50.0	46.8	74.9	5.4	4.4						
55.0	34.7	68.9	3.6	2.8						
60.0	17.1	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 71.5 m Plumín 40.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
13.5	78.0	92.3		22.0						
14.0	77.3	92.2	15.1	22.0						
16.0	74.3	91.6	15.1	19.4						
18.0	71.3	91.0	15.0	16.5						
20.0	68.3	90.2	14.5	14.3						
22.0	65.1	89.3	12.3	12.2						
24.0	61.9	88.3	10.5	10.7						
26.0	58.6	87.1	9.2	9.4						
28.0	55.1	85.8	8.0	8.3						
30.0	51.5	84.3	7.1	7.4						
32.0	47.7	82.5	6.3	6.7						
34.0	43.6	80.5	5.7	6.0						
36.0	39.2	78.2	5.1	5.4						
38.0	34.3	75.5	4.6	4.9						
40.0	28.7	72.2	4.3	4.5						
42.0	21.7	67.9	3.9	4.1						
Ángulo de pluma principal 83.0 [°]										
21.3	73.0	90.9		16.6						
22.0	71.9	90.7	15.1	16.6						
24.0	68.9	90.0	14.5	14.5						
26.0	65.8	89.1	13.0	12.6						
28.0	62.6	88.1	11.2	11.0						
30.0	59.3	87.0	9.8	9.7						
32.0	55.8	85.6	8.5	8.6						
34.0	52.2	84.2	7.5	7.7						
36.0	48.5	82.5	6.7	6.9						
38.0	44.5	80.5	6.0	6.2						
40.0	40.1	78.3	5.4	5.6						
42.0	35.3	75.7	4.9	5.1						
44.0	29.9	72.5	4.5	4.7						
46.0	23.2	68.5	4.1	4.3						
Ángulo de pluma principal 75.0 [°]										
33.4	65.0	87.4		11.4						
34.0	64.0	87.1	11.8	11.4						
36.0	60.8	86.0	10.6	10.3						
38.0	57.4	84.8	9.2	9.2						
40.0	53.9	83.4	8.0	8.1						
42.0	50.2	81.8	7.2	7.3						
44.0	46.3	80.0	6.4	6.6						
46.0	42.2	77.9	5.8	5.9						
48.0	37.6	75.5	5.2	5.4						
50.0	32.5	72.6	4.8	4.9						
Ángulo de pluma principal 65.0 [°]										
47.6	55.0	80.6		8.0						
48.0	54.4	80.4	7.8	8.0						
50.0	50.7	78.8	7.3	7.5						
55.0	40.5	73.9	5.6	5.8						
60.0	27.3	66.3	4.5	4.7						
63.0	16.2	58.6	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 74.5 m Plumín 31.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
11.7	78.0	83.5	15.1	20.3						
12.0	77.3	83.4	15.1	20.3						
13.0	75.4	83.1	15.1	19.0						
14.0	73.5	82.8	15.1	16.7						
16.0	69.6	82.1	14.2	13.3						
18.0	65.6	81.3	11.7	10.7						
20.0	61.4	80.2	9.1	8.8						
22.0	57.0	79.0	7.4	7.2						
24.0	52.4	77.5	6.0	6.0						
26.0	47.5	75.8	5.0	5.0						
28.0	42.2	73.8	4.2	4.3						
30.0	36.2	71.3	3.6	3.6						
32.0	29.1	68.1	2.9	3.0						
Ángulo de pluma principal 83.0 [°]										
18.7	73.0	82.3	15.1	14.6						
20.0	70.4	81.9	15.0	13.9						
22.0	66.4	81.0	12.1	11.1						
24.0	62.2	80.0	9.4	9.0						
26.0	57.9	78.8	7.6	7.5						
28.0	53.4	77.4	6.3	6.2						
30.0	48.6	75.8	5.3	5.3						
32.0	43.3	73.8	4.5	4.5						
34.0	37.5	71.4	3.8	3.9						
36.0	30.6	68.4	3.3	3.3						
38.0	21.9	64.3	2.8	2.8						
Ángulo de pluma principal 75.0 [°]										
29.6	65.0	79.2		9.4						
30.0	64.2	79.0	9.8	9.4						
32.0	59.9	77.9	8.4	8.2						
34.0	55.5	76.6	7.0	6.9						
36.0	50.8	75.1	5.8	5.8						
38.0	45.8	73.3	5.0	5.0						
40.0	40.2	71.1	4.2	4.3						
42.0	33.9	68.4	3.6	3.7						
44.0	26.3	64.9	3.2	3.2						
Ángulo de pluma principal 65.0 [°]										
42.5	55.0	73.2		6.3						
44.0	51.4	72.1	6.0	6.0						
46.0	46.4	70.3	5.1	5.1						
48.0	41.0	68.2	4.4	4.4						
50.0	34.8	65.6	3.8	3.8						
54.0	17.0	57.3	2.9	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 74.5 m Plumín 40.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
13.6	78.0	92.3	15.1	26.9						
14.0	77.4	92.2	15.1	26.9						
16.0	74.4	91.7	15.1	23.0						
18.0	71.4	91.0	15.1	19.0						
20.0	68.3	90.3	15.1	16.3						
22.0	65.2	89.4	13.5	13.8						
24.0	62.0	88.3	12.4	12.1						
26.0	58.7	87.2	10.9	10.6						
28.0	55.2	85.8	9.3	9.3						
30.0	51.6	84.3	7.9	8.2						
32.0	47.8	82.6	6.7	7.0						
34.0	43.7	80.6	5.5	5.7						
36.0	39.3	78.3	4.3	4.5						
38.0	34.4	75.6	3.3	3.5						
40.0	28.8	72.3	2.4	2.5						
Ángulo de pluma principal 83.0 [°]										
21.4	73.0	90.9	15.1	19.1						
22.0	72.0	90.7	15.1	19.0						
24.0	69.0	90.0	15.1	16.5						
26.0	65.9	89.1	14.3	14.3						
28.0	62.6	88.1	12.7	12.3						
30.0	59.3	87.0	11.3	10.9						
32.0	55.9	85.7	9.7	9.5						
34.0	52.3	84.2	8.3	8.4						
36.0	48.6	82.5	7.4	7.5						
38.0	44.6	80.6	6.5	6.6						
40.0	40.2	78.3	5.7	5.8						
42.0	35.4	75.7	5.0	5.2						
44.0	30.0	72.6	4.2	4.3						
46.0	23.4	68.6	3.3	3.3						
Ángulo de pluma principal 75.0 [°]										
33.5	65.0	87.4	12.3	12.7						
34.0	64.1	87.1	12.3	12.7						
36.0	60.9	86.1	11.1	11.5						
38.0	57.5	84.8	9.7	10.2						
40.0	54.0	83.4	8.4	8.9						
42.0	50.3	81.8	7.4	8.0						
44.0	46.4	80.0	6.6	7.1						
46.0	42.3	77.9	5.9	6.3						
48.0	37.7	75.5	5.3	5.7						
50.0	32.6	72.6	4.8	5.1						
Ángulo de pluma principal 65.0 [°]										
47.7	55.0	80.6		5.1						
48.0	54.5	80.5	6.0	5.0						
50.0	50.8	78.9	5.2	4.3						
55.0	40.6	73.9	3.4	2.8						
59.0	31.1	68.2	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 77.5 m Plumín 34.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
12.3	78.0	86.4	15.1	18.1						
13.0	76.8	86.2	15.1	18.1						
14.0	75.0	86.0	15.1	16.6						
16.0	71.5	85.3	13.9	13.2						
18.0	67.9	84.6	11.7	10.8						
20.0	64.1	83.6	9.1	8.7						
22.0	60.3	82.5	7.3	7.2						
24.0	56.3	81.3	6.0	6.0						
26.0	52.1	79.8	5.0	5.0						
28.0	47.6	78.1	4.2	4.3						
30.0	42.8	76.0	3.6	3.6						
32.0	37.4	73.6	3.0	3.1						
34.0	31.2	70.6	2.5	2.5						
Ángulo de pluma principal 83.0 [°]										
19.5	73.0	85.2		13.0						
20.0	72.2	85.0	13.5	13.0						
22.0	68.6	84.3	11.3	11.0						
24.0	64.9	83.4	9.0	9.0						
26.0	61.1	82.3	7.3	7.4						
28.0	57.1	81.1	6.1	6.2						
30.0	52.9	79.7	5.1	5.3						
32.0	48.5	78.0	4.4	4.5						
34.0	43.8	76.0	3.7	3.8						
36.0	38.5	73.7	3.1	3.2						
38.0	32.6	70.9	2.7	2.8						
40.0	25.3	67.2	2.3	2.3						
Ángulo de pluma principal 75.0 [°]										
30.9	65.0	81.9	7.9	8.3						
32.0	62.9	81.4	7.9	8.2						
34.0	59.0	80.2	6.6	6.8						
36.0	54.9	78.9	5.6	5.8						
38.0	50.6	77.3	4.7	4.9						
40.0	46.0	75.5	4.1	4.2						
42.0	41.0	73.4	3.4	3.6						
44.0	35.4	70.8	2.9	3.1						
46.0	28.9	67.5	2.6	2.7						
Ángulo de pluma principal 65.0 [°]										
44.2	55.0	75.7		5.4						
46.0	51.1	74.4	5.1	5.1						
48.0	46.6	72.6	4.3	4.4						
50.0	41.7	70.5	3.7	3.8						
55.0	26.0	62.9	2.6	2.7						
57.0	16.1	57.8	2.2	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 77.5 m Plumín 43.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
14.2	78.0	95.2		26.7						
16.0	75.5	94.8	15.1	24.7						
18.0	72.8	94.2	15.1	20.6						
20.0	69.9	93.5	15.1	17.4						
22.0	67.1	92.7	14.3	15.1						
24.0	64.1	91.7	12.8	13.2						
26.0	61.1	90.7	11.7	11.7						
28.0	58.0	89.4	9.9	10.0						
30.0	54.7	88.1	8.3	8.6						
32.0	51.4	86.5	7.0	7.4						
34.0	47.8	84.8	5.8	6.2						
36.0	44.0	82.8	4.6	4.9						
38.0	40.0	80.6	3.5	3.7						
40.0	35.5	78.0	2.6	2.7						
Ángulo de pluma principal 83.0 [°]										
22.2	73.0	93.8		19.0						
24.0	70.5	93.2	15.1	18.0						
26.0	67.6	92.4	15.1	15.6						
28.0	64.7	91.5	13.6	13.5						
30.0	61.7	90.5	12.3	12.0						
32.0	58.6	89.3	10.8	10.6						
34.0	55.4	87.9	9.4	9.4						
36.0	52.1	86.4	8.2	8.4						
38.0	48.5	84.7	7.3	7.5						
40.0	44.8	82.8	6.4	6.7						
42.0	40.8	80.6	5.7	5.9						
44.0	36.5	78.1	5.0	5.3						
46.0	31.6	75.1	4.2	4.4						
48.0	25.9	71.4	3.2	3.3						
Ángulo de pluma principal 75.0 [°]										
34.7	65.0	90.1		12.8						
36.0	63.1	89.5	13.2	12.7						
38.0	60.0	88.4	11.5	11.2						
40.0	56.9	87.1	10.1	10.1						
42.0	53.6	85.7	8.8	8.9						
44.0	50.2	84.1	7.8	8.1						
46.0	46.6	82.3	7.0	7.3						
48.0	42.7	80.2	6.3	6.5						
50.0	38.5	77.8	5.7	5.9						
55.0	25.6	69.8	4.4	4.5						
Ángulo de pluma principal 65.0 [°]										
49.4	55.0	83.0		4.2						
50.0	54.0	82.7	4.8	4.0						
55.0	45.1	78.4	3.1	2.5						
58.0	39.5	75.0	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 80.5 m Plumín 34.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
12.3	78.0	86.4		30.1						
13.0	76.8	86.3	15.1	30.1						
14.0	75.1	86.0	15.1	30.1						
16.0	71.6	85.4	15.1	24.9						
18.0	68.0	84.6	15.1	20.9						
20.0	64.2	83.7	13.7	16.3						
22.0	60.4	82.6	12.6	13.0						
24.0	56.4	81.3	8.6	8.8						
26.0	52.2	79.8	5.2	5.3						
28.0	47.7	78.1	3.1	3.3						
Ángulo de pluma principal 83.0 [°]										
19.6	73.0	85.2		23.9						
20.0	72.3	85.1	15.1	23.9						
22.0	68.7	84.3	15.1	21.4						
24.0	65.0	83.4	14.8	17.8						
26.0	61.2	82.4	14.2	15.0						
28.0	57.2	81.2	12.2	12.5						
30.0	53.1	79.7	9.9	10.4						
32.0	48.6	78.0	8.0	8.4						
34.0	43.9	76.1	5.4	5.6						
36.0	38.6	73.8	3.1	3.1						
Ángulo de pluma principal 75.0 [°]										
30.9	65.0	81.9		13.8						
32.0	63.0	81.4	15.1	12.8						
34.0	59.1	80.3	14.1	11.1						
36.0	55.0	78.9	12.2	9.7						
38.0	50.7	77.4	10.3	8.5						
40.0	46.1	75.5	8.8	7.3						
42.0	41.1	73.4	7.4	6.3						
44.0	35.5	70.8	6.3	5.3						
46.0	29.0	67.6	4.8	4.5						
Ángulo de pluma principal 65.0 [°]										
44.2	55.0	75.7		3.9						
46.0	51.3	74.4	4.2	3.2						
48.0	46.7	72.6	3.2	2.4						
50.0	42.2	70.5	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 80.5 m Plumín 37.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
12.9	78.0	89.3	15.1	18.7						
13.0	77.8	89.3	15.1	18.7						
14.0	76.3	89.1	15.1	18.6						
16.0	73.0	88.5	15.1	15.2						
18.0	69.7	87.8	12.4	12.3						
20.0	66.4	87.0	10.3	10.3						
22.0	62.9	86.0	8.3	8.5						
24.0	59.4	84.8	7.0	7.3						
26.0	55.7	83.5	6.0	6.2						
28.0	51.8	82.0	5.1	5.4						
30.0	47.6	80.3	4.5	4.7						
32.0	43.2	78.3	3.9	4.1						
34.0	38.4	75.9	3.3	3.5						
36.0	32.9	73.1	2.9	3.0						
Ángulo de pluma principal 83.0 [°]										
20.4	73.0	88.0		13.4						
22.0	70.4	87.5	13.3	12.7						
24.0	67.1	86.7	11.1	10.5						
26.0	63.6	85.8	9.0	8.8						
28.0	60.1	84.7	7.5	7.6						
30.0	56.4	83.4	6.4	6.5						
32.0	52.6	81.9	5.5	5.6						
34.0	48.5	80.2	4.9	5.0						
36.0	44.1	78.3	4.2	4.3						
38.0	39.4	76.0	3.7	3.8						
40.0	34.1	73.3	3.2	3.3						
42.0	27.9	69.9	2.8	2.9						
Ángulo de pluma principal 75.0 [°]										
32.1	65.0	84.6		8.7						
34.0	61.7	83.7	8.2	8.2						
36.0	58.1	82.5	7.0	7.1						
38.0	54.4	81.1	6.1	6.1						
40.0	50.4	79.6	5.3	5.4						
42.0	46.2	77.7	4.6	4.7						
44.0	41.6	75.6	4.1	4.1						
46.0	36.6	73.1	3.6	3.7						
48.0	30.9	70.1	3.2	3.3						
50.0	23.9	66.2	2.8	2.9						
Ángulo de pluma principal 65.0 [°]										
45.9	55.0	78.1		5.9						
46.0	54.8	78.1	5.7	5.9						
48.0	50.9	76.6	5.4	5.5						
50.0	46.7	74.8	4.7	4.8						
55.0	34.6	68.9	3.5	3.6						
60.0	15.4	58.2	2.6	2.7						

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]: 94.0
 Lastre central [t]: 52.6

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 83.5 m Plumín 37.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
13.0	78.0	89.4	15.1	27.3						
14.0	76.3	89.1	15.1	27.3						
16.0	73.1	88.5	15.1	23.0						
18.0	69.8	87.8	15.1	19.2						
20.0	66.5	87.0	14.1	15.9						
22.0	63.0	86.0	11.4	12.5						
24.0	59.5	84.9	9.2	9.8						
26.0	55.8	83.6	6.2	6.5						
28.0	51.9	82.1	3.7	3.8						
Ángulo de pluma principal 83.0 [°]										
20.5	73.0	88.1	15.1	19.9						
22.0	70.5	87.5	15.1	19.7						
24.0	67.2	86.7	15.1	16.4						
26.0	63.7	85.8	13.2	13.8						
28.0	60.2	84.7	11.4	11.9						
30.0	56.5	83.4	9.4	9.9						
32.0	52.7	82.0	7.8	8.2						
34.0	48.6	80.3	6.3	6.7						
36.0	44.2	78.3	4.2	4.3						
Ángulo de pluma principal 75.0 [°]										
32.2	65.0	84.6		12.5						
34.0	61.8	83.7	13.3	11.0						
36.0	58.2	82.6	11.0	9.6						
38.0	54.5	81.2	9.3	8.4						
40.0	50.5	79.6	7.9	7.4						
42.0	46.3	77.8	6.8	6.3						
44.0	41.7	75.7	5.7	5.4						
46.0	36.7	73.2	4.8	4.6						
48.0	31.0	70.2	3.8	3.8						
Ángulo de pluma principal 65.0 [°]										
46.0	55.0	78.1		3.1						
48.0	51.0	76.6	3.0	2.3						
50.0	47.2	74.9	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 83.5 m Plumín 40.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
13.5	78.0	92.3		15.6						
14.0	77.3	92.2	15.1	15.6						
16.0	74.3	91.6	13.7	14.0						
18.0	71.3	91.0	11.1	11.6						
20.0	68.3	90.2	9.0	9.6						
22.0	65.1	89.3	7.3	7.9						
24.0	61.9	88.3	6.1	6.6						
26.0	58.6	87.1	5.2	5.7						
28.0	55.1	85.8	4.5	4.8						
30.0	51.5	84.3	3.8	4.2						
32.0	47.7	82.5	3.3	3.6						
34.0	43.6	80.5	2.8	3.1						
36.0	39.2	78.2	2.4	2.6						
Ángulo de pluma principal 83.0 [°]										
21.3	73.0	90.9		11.4						
22.0	71.9	90.7	10.7	11.3						
24.0	68.9	90.0	9.5	9.7						
26.0	65.8	89.1	8.1	8.1						
28.0	62.6	88.1	6.8	6.9						
30.0	59.3	87.0	5.8	5.9						
32.0	55.8	85.6	5.0	5.1						
34.0	52.2	84.2	4.3	4.4						
36.0	48.5	82.5	3.7	3.8						
38.0	44.5	80.5	3.2	3.3						
40.0	40.1	78.3	2.7	2.8						
42.0	35.3	75.7	2.3	2.4						
Ángulo de pluma principal 75.0 [°]										
33.4	65.0	87.4		7.2						
34.0	64.0	87.1	7.1	7.2						
36.0	60.8	86.0	6.4	6.5						
38.0	57.4	84.8	5.5	5.6						
40.0	53.9	83.4	4.7	4.8						
42.0	50.2	81.8	4.1	4.2						
44.0	46.3	80.0	3.5	3.6						
46.0	42.2	77.9	3.1	3.1						
48.0	37.6	75.5	2.6	2.7						
50.0	32.5	72.6	2.3	2.3						
Ángulo de pluma principal 65.0 [°]										
47.6	55.0	80.6		4.6						
48.0	54.4	80.4	4.5	4.6						
50.0	50.7	78.8	4.2	4.3						
55.0	40.5	73.9	3.0	3.0						
60.0	27.3	66.3	2.2	2.2						
61.0	23.9	64.2	2.0	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]:	94.0		
Lastre central [t]:	52.6		

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 86.5 m Plumín 40.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
13.6	78.0	92.3	15.1	25.3						
14.0	77.4	92.2	15.1	25.3						
16.0	74.4	91.7	15.1	22.2						
18.0	71.4	91.0	15.1	18.4						
20.0	68.3	90.3	15.1	15.7						
22.0	65.2	89.4	11.6	12.0						
24.0	62.0	88.3	8.6	9.3						
26.0	58.7	87.2	6.2	6.7						
28.0	55.2	85.8	4.0	4.3						
Ángulo de pluma principal 83.0 [°]										
21.4	73.0	90.9	15.1	18.0						
22.0	72.0	90.7	15.1	18.0						
24.0	69.0	90.0	15.1	16.1						
26.0	65.9	89.1	14.3	13.7						
28.0	62.6	88.1	12.0	11.7						
30.0	59.3	87.0	10.3	10.1						
32.0	55.9	85.7	8.2	8.3						
34.0	52.3	84.2	6.6	6.9						
36.0	48.6	82.5	5.1	5.4						
38.0	44.6	80.6	3.4	3.6						
Ángulo de pluma principal 75.0 [°]										
33.5	65.0	87.4	12.5	11.4						
34.0	64.1	87.1	12.5	11.0						
36.0	60.9	86.1	11.6	9.6						
38.0	57.5	84.8	9.8	8.4						
40.0	54.0	83.4	8.4	7.4						
42.0	50.3	81.8	7.3	6.4						
44.0	46.4	80.0	6.4	5.5						
46.0	42.3	77.9	5.5	4.6						
48.0	37.7	75.5	4.8	3.9						
50.0	32.6	72.6	4.0	3.2						
Ángulo de pluma principal 65.0 [°]										
47.7	55.0	80.6		2.4						
48.0	54.5	80.5	2.9	2.3						
50.0	51.1	78.9	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 86.5 m Plumín 43.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
14.1	78.0	95.2		14.3						
16.0	75.5	94.8	14.6	13.3						
18.0	72.7	94.2	11.5	10.8						
20.0	69.9	93.4	9.0	8.8						
22.0	67.0	92.6	7.3	7.3						
24.0	64.0	91.7	6.0	6.1						
26.0	61.0	90.6	5.1	5.1						
28.0	57.9	89.4	4.3	4.3						
30.0	54.6	88.0	3.6	3.7						
32.0	51.3	86.5	3.1	3.1						
34.0	47.7	84.8	2.6	2.7						
36.0	44.0	82.8	2.2	2.2						
Ángulo de pluma principal 83.0 [°]										
22.2	73.0	93.8	9.4	9.6						
24.0	70.4	93.2	8.8	9.0						
26.0	67.6	92.4	7.2	7.5						
28.0	64.6	91.5	6.0	6.3						
30.0	61.6	90.4	5.1	5.4						
32.0	58.5	89.2	4.4	4.6						
34.0	55.3	87.9	3.7	3.9						
36.0	52.0	86.4	3.2	3.3						
38.0	48.5	84.7	2.7	2.9						
40.0	44.7	82.8	2.3	2.4						
Ángulo de pluma principal 75.0 [°]										
34.7	65.0	90.1		5.9						
36.0	63.0	89.4	5.7	5.9						
38.0	60.0	88.3	4.9	5.0						
40.0	56.8	87.1	4.2	4.3						
42.0	53.5	85.6	3.5	3.7						
44.0	50.1	84.0	3.0	3.1						
46.0	46.5	82.2	2.6	2.7						
48.0	42.6	80.2	2.2	2.3						
Ángulo de pluma principal 65.0 [°]										
49.4	55.0	83.0		3.6						
50.0	53.9	82.7	3.4	3.6						
55.0	45.1	78.3	2.5	2.6						
58.0	39.0	74.7		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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 89.5 m Plumín 43.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
14.2	78.0	95.2		26.1						
16.0	75.5	94.8	15.1	25.2						
18.0	72.8	94.2	15.1	21.2						
20.0	69.9	93.5	15.1	17.6						
22.0	67.1	92.7	13.8	14.4						
24.0	64.1	91.7	9.7	10.1						
26.0	61.1	90.7	6.7	7.1						
28.0	58.0	89.4	4.5	4.7						
Ángulo de pluma principal 83.0 [°]										
22.2	73.0	93.8		18.9						
24.0	70.5	93.2	15.1	18.6						
26.0	67.6	92.4	15.1	15.9						
28.0	64.7	91.5	13.6	13.7						
30.0	61.7	90.5	11.7	11.9						
32.0	58.6	89.3	9.8	9.9						
34.0	55.4	87.9	7.4	7.6						
36.0	52.1	86.4	5.5	5.7						
38.0	48.5	84.7	4.0	4.3						
40.0	44.8	82.8	2.8	3.0						
Ángulo de pluma principal 75.0 [°]										
34.7	65.0	90.1		10.2						
36.0	63.1	89.5	12.1	9.4						
38.0	60.0	88.4	10.7	8.2						
40.0	56.9	87.1	9.4	7.1						
42.0	53.6	85.7	8.3	6.2						
44.0	50.2	84.1	7.2	5.4						
46.0	46.6	82.3	6.1	4.6						
48.0	42.7	80.2	5.1	3.8						
50.0	38.5	77.8	4.2	3.1						
55.0	26.3	69.8	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 89.5 m Plumín 46.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
14.8	78.0	98.1	13.3	13.3						
16.0	76.4	97.9	13.3	13.3						
18.0	73.8	97.3	10.6	10.7						
20.0	71.2	96.6	8.5	8.7						
22.0	68.6	95.9	7.0	7.3						
24.0	65.8	95.0	5.8	6.1						
26.0	63.1	94.0	4.8	5.1						
28.0	60.2	92.9	4.1	4.3						
30.0	57.3	91.7	3.5	3.7						
32.0	54.2	90.3	2.9	3.1						
34.0	51.1	88.7	2.5	2.6						
Ángulo de pluma principal 83.0 [°]										
23.1	73.0	96.7	8.6	8.6						
24.0	71.8	96.4	8.5	8.6						
26.0	69.1	95.6	7.3	7.4						
28.0	66.4	94.8	6.2	6.3						
30.0	63.6	93.8	5.2	5.3						
32.0	60.8	92.7	4.5	4.6						
34.0	57.9	91.5	3.8	3.9						
36.0	54.9	90.2	3.2	3.3						
38.0	51.7	88.6	2.7	2.8						
40.0	48.4	86.9	2.3	2.4						
Ángulo de pluma principal 75.0 [°]										
35.9	65.0	92.8		5.3						
36.0	64.9	92.8	5.1	5.3						
38.0	62.1	91.8	4.9	5.0						
40.0	59.2	90.6	4.1	4.2						
42.0	56.3	89.3	3.5	3.6						
44.0	53.2	87.9	3.0	3.1						
46.0	50.0	86.3	2.6	2.7						
48.0	46.6	84.5	2.2	2.3						
Ángulo de pluma principal 65.0 [°]										
51.1	55.0	85.5		3.1						
55.0	48.7	82.5	2.4	2.5						
57.0	45.3	80.6	2.1	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 92.5 m Plumín 46.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
14.8	78.0	98.2		22.7						
16.0	76.5	97.9	15.1	22.7						
18.0	73.9	97.3	15.1	19.5						
20.0	71.3	96.7	14.7	16.6						
22.0	68.6	95.9	13.9	14.3						
24.0	65.9	95.1	10.9	11.0						
26.0	63.1	94.1	7.7	7.9						
28.0	60.3	93.0	5.3	5.6						
30.0	57.4	91.7	3.6	3.7						
Ángulo de pluma principal 83.0 [°]										
23.1	73.0	96.7		16.3						
24.0	71.8	96.4	15.1	16.2						
26.0	69.2	95.7	14.7	14.9						
28.0	66.5	94.8	12.6	13.0						
30.0	63.7	93.9	10.7	11.1						
32.0	60.9	92.8	9.2	9.8						
34.0	58.0	91.6	7.6	8.1						
36.0	54.9	90.2	6.0	6.4						
38.0	51.8	88.7	4.7	5.0						
40.0	48.5	87.0	3.6	3.9						
42.0	45.1	85.1	2.6	2.8						
Ángulo de pluma principal 75.0 [°]										
36.0	65.0	92.8		9.3						
38.0	62.2	91.8	10.5	8.1						
40.0	59.3	90.7	9.2	7.1						
42.0	56.3	89.4	8.1	6.2						
44.0	53.3	87.9	7.1	5.4						
46.0	50.0	86.3	6.1	4.6						
48.0	46.7	84.5	5.1	3.9						
50.0	43.1	82.5	4.2	3.2						
55.0	33.2	75.9	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 92.5 m Plumín 49.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
15.4	78.0	101.1	10.8	11.6						
16.0	77.3	100.9	10.8	11.6						
18.0	74.9	100.4	9.7	10.3						
20.0	72.4	99.8	8.2	8.6						
22.0	69.9	99.1	6.7	7.0						
24.0	67.4	98.3	5.7	5.9						
26.0	64.8	97.4	4.7	5.0						
28.0	62.2	96.4	4.0	4.2						
30.0	59.5	95.2	3.4	3.6						
32.0	56.7	94.0	2.8	3.0						
34.0	53.9	92.6	2.4	2.5						
Ángulo de pluma principal 83.0 [°]										
23.9	73.0	99.5		7.7						
24.0	72.9	99.5	7.6	7.7						
26.0	70.4	98.8	7.1	7.2						
28.0	67.9	98.0	5.9	6.1						
30.0	65.4	97.2	5.0	5.2						
32.0	62.8	96.2	4.3	4.4						
34.0	60.1	95.0	3.7	3.8						
36.0	57.3	93.8	3.1	3.2						
38.0	54.5	92.4	2.6	2.7						
40.0	51.5	90.9	2.2	2.3						
Ángulo de pluma principal 75.0 [°]										
37.2	65.0	95.5		4.6						
38.0	64.0	95.2	4.4	4.5						
40.0	61.3	94.1	4.0	4.1						
42.0	58.6	92.9	3.4	3.5						
44.0	55.8	91.6	2.9	3.0						
46.0	52.9	90.1	2.4	2.5						
Ángulo de pluma principal 65.0 [°]										
52.8	55.0	88.0		2.5						
55.0	51.8	86.4	2.3	2.4						
56.0	50.2	85.6	2.1	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 95.5 m Plumín 49.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
15.5	78.0	101.1	15.1	21.3						
16.0	77.3	101.0	15.1	21.3						
18.0	74.9	100.5	15.1	19.4						
20.0	72.5	99.8	14.9	16.5						
22.0	70.0	99.1	13.1	13.8						
24.0	67.5	98.3	11.2	11.5						
26.0	64.9	97.4	8.1	8.4						
28.0	62.3	96.4	5.6	6.0						
30.0	59.6	95.3	3.9	4.3						
32.0	56.8	94.0	2.7	2.9						
Ángulo de pluma principal 83.0 [°]										
24.0	73.0	99.5	15.1	15.2						
26.0	70.5	98.9	15.0	14.7						
28.0	68.0	98.1	13.3	12.8						
30.0	65.4	97.2	11.4	11.1						
32.0	62.8	96.2	9.6	9.6						
34.0	60.1	95.1	8.4	8.5						
36.0	57.4	93.8	6.6	6.7						
38.0	54.5	92.5	5.0	5.1						
40.0	51.6	90.9	3.7	3.8						
42.0	48.5	89.2	2.8	2.9						
Ángulo de pluma principal 75.0 [°]										
37.3	65.0	95.5	9.9	8.3						
38.0	64.0	95.2	9.9	7.8						
40.0	61.4	94.1	8.7	6.8						
42.0	58.7	93.0	7.6	5.9						
44.0	55.9	91.6	6.6	5.1						
46.0	53.0	90.2	5.7	4.4						
48.0	49.9	88.6	4.9	3.7						
50.0	46.8	86.7	4.0	3.1						
55.0	38.3	81.2	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]: 94.0
 Lastre central [t]: 52.6

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 95.5 m Plumín 52.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
16.0	78.0	104.0		9.3						
18.0	75.8	103.5	7.9	9.0						
20.0	73.5	103.0	7.0	7.8						
22.0	71.1	102.3	5.9	6.4						
24.0	68.8	101.5	5.1	5.3						
26.0	66.4	100.7	4.3	4.4						
28.0	64.0	99.8	3.5	3.6						
30.0	61.5	98.7	2.9	3.1						
32.0	58.9	97.5	2.4	2.5						
Ángulo de pluma principal 83.0 [°]										
24.8	73.0	102.4		6.4						
26.0	71.6	102.0	5.9	6.4						
28.0	69.3	101.3	5.3	5.4						
30.0	66.9	100.5	4.5	4.6						
32.0	64.5	99.5	3.7	3.8						
34.0	62.0	98.5	3.1	3.2						
36.0	59.4	97.3	2.6	2.7						
Ángulo de pluma principal 75.0 [°]										
38.5	65.0	98.2		3.5						
40.0	63.1	97.5	3.3	3.5						
42.0	60.6	96.4	2.8	3.0						
44.0	58.0	95.2	2.4	2.5						
46.0	55.4	93.8		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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 98.5 m Plumín 52.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
16.1	78.0	104.0	15.1	19.3						
18.0	75.8	103.6	15.1	18.6						
20.0	73.5	103.0	15.1	15.9						
22.0	71.2	102.3	12.9	13.3						
24.0	68.9	101.6	10.5	11.1						
26.0	66.5	100.7	8.1	8.6						
28.0	64.0	99.8	5.8	6.2						
30.0	61.5	98.7	4.1	4.3						
32.0	59.0	97.6	3.0	3.1						
Ángulo de pluma principal 83.0 [°]										
24.9	73.0	102.4	14.3	13.8						
26.0	71.7	102.0	14.2	13.7						
28.0	69.3	101.3	12.7	12.3						
30.0	66.9	100.5	10.9	10.8						
32.0	64.5	99.6	9.3	9.3						
34.0	62.0	98.5	7.9	8.1						
36.0	59.5	97.4	6.8	7.0						
38.0	56.9	96.1	5.2	5.4						
40.0	54.2	94.7	3.9	4.0						
42.0	51.4	93.2	2.8	2.9						
Ángulo de pluma principal 75.0 [°]										
38.5	65.0	98.2		7.3						
40.0	63.2	97.5	8.3	6.6						
42.0	60.7	96.5	7.3	5.7						
44.0	58.1	95.2	6.3	4.9						
46.0	55.4	93.9	5.4	4.2						
48.0	52.7	92.4	4.6	3.5						
50.0	49.8	90.8	3.9	3.0						
54.0	44.0	87.0	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]: 94.0
 Lastre central [t]: 52.6

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 101.5 m Plumín 55.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
16.7	78.0	107.0	15.1	17.0						
18.0	76.6	106.7	15.1	17.0						
20.0	74.5	106.1	14.5	15.0						
22.0	72.3	105.5	12.9	12.8						
24.0	70.1	104.8	9.9	10.3						
26.0	67.8	104.0	7.8	8.4						
28.0	65.5	103.1	5.7	6.1						
30.0	63.2	102.1	4.0	4.3						
32.0	60.8	101.0	2.7	2.9						
Ángulo de pluma principal 83.0 [°]										
25.7	73.0	105.3		12.0						
26.0	72.7	105.2	11.9	12.0						
28.0	70.5	104.5	11.5	11.6						
30.0	68.3	103.7	9.7	10.0						
32.0	66.0	102.9	8.4	8.7						
34.0	63.7	101.9	7.2	7.5						
36.0	61.3	100.9	6.2	6.6						
38.0	58.9	99.7	5.2	5.4						
40.0	56.4	98.4	3.9	4.1						
42.0	53.9	97.0	2.8	2.9						
Ángulo de pluma principal 75.0 [°]										
39.8	65.0	101.0		6.4						
40.0	64.8	100.9	7.2	6.3						
42.0	62.4	99.9	6.8	5.4						
44.0	60.0	98.8	5.8	4.6						
46.0	57.6	97.5	4.9	3.9						
48.0	55.1	96.2	4.1	3.2						
50.0	52.4	94.7	3.4	2.7						
54.0	47.1	91.2	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 104.5 m Plumín 46.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
14.8	78.0	98.2		21.6						
16.0	76.5	97.9	15.1	21.6						
18.0	73.9	97.3	15.1	18.6						
20.0	71.3	96.7	12.7	14.0						
22.0	68.6	95.9	8.6	9.2						
24.0	65.9	95.1	5.1	5.4						
Ángulo de pluma principal 83.0 [°]										
23.1	73.0	96.7		15.4						
24.0	71.8	96.4	15.0	15.3						
26.0	69.2	95.7	14.5	13.8						
28.0	66.5	94.8	12.1	11.6						
30.0	63.7	93.9	8.9	8.8						
32.0	60.9	92.8	6.2	6.5						
34.0	58.0	91.6	4.3	4.5						
Ángulo de pluma principal 75.0 [°]										
36.0	65.0	92.8		6.0						
38.0	62.2	91.8	6.7	4.9						
40.0	59.3	90.7	5.5	4.0						
42.0	56.3	89.4	4.4	3.1						
44.0	53.3	87.9	3.4	2.4						
46.0	50.3	86.3	2.5							
47.0	48.6	85.4	2.0							

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]: 94.0
 Lastre central [t]: 52.6

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 107.5 m Plumín 49.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
15.5	78.0	101.1	15.1	18.1						
16.0	77.3	101.0	15.1	18.1						
18.0	74.9	100.5	15.1	17.2						
20.0	72.5	99.8	13.4	13.8						
22.0	70.0	99.1	8.5	8.8						
24.0	67.5	98.3	5.3	5.6						
26.0	64.9	97.4	3.0	3.2						
Ángulo de pluma principal 83.0 [°]										
24.0	73.0	99.5	13.4	12.9						
26.0	70.5	98.9	13.0	12.5						
28.0	68.0	98.1	10.8	10.6						
30.0	65.4	97.2	8.8	8.8						
32.0	62.8	96.2	6.4	6.6						
34.0	60.1	95.1	4.6	5.0						
36.0	57.4	93.8	3.2	3.4						
Ángulo de pluma principal 75.0 [°]										
37.3	65.0	95.5	6.7	5.0						
38.0	64.0	95.2	6.3	4.7						
40.0	61.4	94.1	5.0	3.7						
42.0	58.7	93.0	4.0	2.9						
44.0	55.9	91.6	3.0	2.1						
46.0	53.2	90.2	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]: 94.0
 Lastre central [t]: 52.6

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
50.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 110.5 m Plumín 52.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
16.1	78.0	104.0	15.1	18.1						
18.0	75.8	103.6	15.1	18.1						
20.0	73.5	103.0	13.4	14.1						
22.0	71.2	102.3	9.4	9.7						
24.0	68.9	101.6	5.4	5.7						
26.0	66.5	100.7	3.4	3.6						
Ángulo de pluma principal 83.0 [°]										
24.9	73.0	102.4	12.1	11.9						
26.0	71.7	102.0	11.9	11.7						
28.0	69.3	101.3	10.8	10.6						
30.0	66.9	100.5	8.8	8.9						
32.0	64.5	99.6	6.8	6.9						
34.0	62.0	98.5	4.9	5.0						
36.0	59.5	97.4	3.5	3.7						
38.0	56.9	96.1	2.5	2.6						
Ángulo de pluma principal 75.0 [°]										
38.5	65.0	98.2		4.2						
40.0	63.2	97.5	4.7	3.5						
42.0	60.7	96.5	3.6	2.7						
44.0	58.2	95.2	2.7							
45.0	56.9	94.6	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 32.5 m Plumín 13.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
8.0	78.0	68.9		30.1						
9.0	73.5	68.6	15.1	27.4						
10.0	68.8	68.2	15.1	19.9						
11.0	63.9	67.7	15.1	15.4						
12.0	58.7	67.1	13.7	12.6						
13.0	53.2	66.4	11.6	10.6						
14.0	47.2	65.5	9.9	9.1						
16.0	32.6	63.0	7.2	7.0						
Ángulo de pluma principal 83.0 [°]										
13.8	73.0	68.1	15.1	24.8						
14.0	71.9	68.0	15.1	24.2						
16.0	62.2	67.1	15.1	14.3						
18.0	51.3	65.7	11.1	10.0						
20.0	38.0	63.5	7.8	7.5						
Ángulo de pluma principal 75.0 [°]										
22.8	65.0	65.8	15.1	15.5						
24.0	58.7	65.1	14.5	12.5						
26.0	47.2	63.5	9.7	9.0						
28.0	32.5	61.0	7.1	6.9						
Ángulo de pluma principal 65.0 [°]										
33.4	55.0	61.2		10.7						
34.0	51.7	60.8	11.1	10.0						
36.0	38.6	58.7	7.8	7.4						
Ángulo de pluma principal 45.0 [°]										
51.6	35.0	46.8		6.1						
53.0	19.5	44.3	6.0	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 35.5 m Plumín 16.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
8.6	78.0	71.8		30.1						
9.0	76.7	71.7	15.1	30.1						
10.0	72.9	71.4	15.1	26.5						
11.0	69.1	71.0	15.1	20.9						
12.0	65.2	70.6	14.8	17.0						
13.0	61.1	70.0	14.3	14.4						
14.0	56.8	69.4	12.2	12.4						
16.0	47.4	67.7	9.2	9.7						
18.0	36.2	65.4	7.3	7.8						
Ángulo de pluma principal 83.0 [°]										
14.6	73.0	70.9		25.0						
16.0	67.8	70.4	15.1	19.3						
18.0	59.7	69.4	13.5	13.6						
20.0	50.7	67.9	10.0	10.5						
22.0	40.2	65.8	7.8	8.3						
24.0	26.2	62.7	6.5	7.0						
Ángulo de pluma principal 75.0 [°]										
24.0	65.0	68.5		16.0						
26.0	56.8	67.4	13.5	12.3						
28.0	47.4	65.7	10.0	9.6						
30.0	36.1	63.4	7.8	7.8						
Ángulo de pluma principal 65.0 [°]										
35.1	55.0	63.7		11.2						
36.0	51.0	63.1	10.0	10.4						
38.0	40.6	61.0	7.8	8.3						
40.0	26.9	57.9	6.5	6.9						
Ángulo de pluma principal 45.0 [°]										
54.0	35.0	48.6		5.3						
55.0	27.7	47.2	5.9	5.0						
56.0	17.2	44.8	5.5	4.7						

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 38.5 m Plumín 16.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
8.7	78.0	71.8	15.1	30.1						
9.0	76.9	71.7	15.1	30.1						
10.0	73.1	71.4	15.1	30.1						
11.0	69.3	71.1	15.1	30.1						
12.0	65.4	70.6	15.1	24.3						
13.0	61.3	70.1	15.1	20.4						
14.0	57.0	69.4	15.1	17.4						
16.0	47.7	67.8	14.3	13.4						
18.0	36.4	65.5	11.4	10.8						
Ángulo de pluma principal 83.0 [°]										
14.7	73.0	71.0		30.1						
16.0	68.0	70.5	15.1	27.7						
18.0	59.9	69.4	15.1	19.2						
20.0	50.9	67.9	15.1	14.5						
22.0	40.5	65.9	12.1	11.5						
24.0	26.5	62.8	10.0	9.6						
Ángulo de pluma principal 75.0 [°]										
24.1	65.0	68.5		22.4						
26.0	57.0	67.4	15.1	17.1						
28.0	47.6	65.8	14.4	13.2						
30.0	36.4	63.5	11.2	10.5						
Ángulo de pluma principal 65.0 [°]										
35.2	55.0	63.6		14.6						
36.0	51.3	63.1	15.1	13.6						
38.0	40.9	61.1	11.6	10.8						
40.0	27.2	58.0	9.3	9.0						
Ángulo de pluma principal 45.0 [°]										
54.1	35.0	48.5		3.0						
55.0	28.0	47.2	3.3	2.6						
56.0	17.6	44.9	2.9	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 38.5 m Plumín 19.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
9.3	78.0	74.7	15.1	30.1						
10.0	75.7	74.5	15.1	29.4						
11.0	72.6	74.2	15.1	25.3						
12.0	69.3	73.9	15.1	21.1						
13.0	66.0	73.4	15.1	17.9						
14.0	62.6	72.9	15.1	15.6						
16.0	55.5	71.6	13.1	12.3						
18.0	47.6	70.0	11.0	10.0						
20.0	38.4	67.7	8.8	8.3						
22.0	26.4	64.5	7.3	7.1						
Ángulo de pluma principal 83.0 [°]										
15.5	73.0	73.8		24.4						
16.0	71.5	73.7	15.1	23.6						
18.0	64.9	72.8	15.1	16.9						
20.0	57.9	71.6	13.9	13.2						
22.0	50.3	70.1	11.9	10.7						
24.0	41.6	68.1	9.4	8.9						
26.0	30.9	65.3	7.7	7.5						
Ángulo de pluma principal 75.0 [°]										
25.3	65.0	71.2		16.2						
26.0	62.6	70.9	15.1	15.5						
28.0	55.4	69.6	11.9	12.2						
30.0	47.5	68.0	9.6	10.0						
32.0	38.3	65.7	7.8	8.3						
34.0	26.4	62.5	6.7	7.2						
Ángulo de pluma principal 65.0 [°]										
36.9	55.0	66.1		11.6						
38.0	50.6	65.3	11.8	10.7						
40.0	41.9	63.3	9.4	8.9						
42.0	31.3	60.5	7.7	7.6						
Ángulo de pluma principal 45.0 [°]										
56.5	35.0	50.3		4.9						
59.0	15.6	45.2	4.9	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 41.5 m Plumín 19.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
9.3	78.0	74.7		30.1						
10.0	75.9	74.6	15.1	30.1						
11.0	72.7	74.3	15.1	29.9						
12.0	69.5	73.9	15.1	29.3						
13.0	66.2	73.4	15.1	24.9						
14.0	62.8	72.9	15.1	21.4						
16.0	55.7	71.7	15.1	16.6						
18.0	47.8	70.0	14.3	13.4						
20.0	38.6	67.8	11.7	10.9						
22.0	26.7	64.6	9.6	9.1						
Ángulo de pluma principal 83.0 [°]										
15.6	73.0	73.8	15.1	30.1						
16.0	71.7	73.7	15.1	30.1						
18.0	65.1	72.8	15.1	23.5						
20.0	58.1	71.7	15.1	17.9						
22.0	50.5	70.2	15.0	14.3						
24.0	41.8	68.2	12.4	11.6						
26.0	31.1	65.4	10.4	9.7						
Ángulo de pluma principal 75.0 [°]										
25.4	65.0	71.2	15.1	22.3						
26.0	62.8	70.9	15.1	21.4						
28.0	55.6	69.7	15.1	16.4						
30.0	47.7	68.0	14.5	13.4						
32.0	38.5	65.8	11.9	11.0						
34.0	26.6	62.6	9.8	9.3						
Ángulo de pluma principal 65.0 [°]										
36.9	55.0	66.1		13.7						
38.0	50.8	65.3	15.0	12.9						
40.0	42.2	63.3	12.5	11.2						
42.0	31.6	60.6	10.0	9.4						
Ángulo de pluma principal 45.0 [°]										
56.5	35.0	50.3		2.1						
58.0	27.1	47.9	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]: 94.0
 Lastre central [t]: 52.6

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 41.5 m Plumín 22.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
9.9	78.0	77.7	15.1	30.1						
10.0	77.7	77.6	15.1	30.1						
11.0	75.0	77.4	15.1	25.7						
12.0	72.3	77.1	15.1	21.5						
13.0	69.5	76.7	15.1	18.4						
14.0	66.7	76.3	15.1	16.1						
16.0	60.8	75.2	14.7	12.8						
18.0	54.5	73.9	11.3	10.4						
20.0	47.6	72.2	9.2	8.7						
22.0	39.9	70.1	7.6	7.4						
24.0	30.4	67.1	6.5	6.4						
Ángulo de pluma principal 83.0 [°]										
16.4	73.0	76.7		21.2						
18.0	68.6	76.1	15.1	17.5						
20.0	62.8	75.1	15.1	13.7						
22.0	56.6	73.9	12.3	11.1						
24.0	50.0	72.4	9.8	9.3						
26.0	42.6	70.4	8.1	7.8						
28.0	33.8	67.8	6.8	6.7						
30.0	22.0	64.0	5.9	5.8						
Ángulo de pluma principal 75.0 [°]										
26.6	65.0	73.9		14.2						
28.0	60.8	73.2	14.2	12.6						
30.0	54.5	71.9	11.3	10.3						
32.0	47.6	70.2	9.2	8.7						
34.0	39.8	68.0	7.6	7.4						
36.0	30.4	65.1	6.5	6.4						
Ángulo de pluma principal 65.0 [°]										
38.6	55.0	68.6		10.2						
40.0	50.3	67.5	9.8	9.3						
42.0	42.9	65.6	8.1	7.9						
44.0	34.2	63.0	6.8	6.8						
46.0	22.5	59.2	6.0	5.9						
Ángulo de pluma principal 45.0 [°]										
58.9	35.0	52.0		4.2						
60.0	29.5	50.5	4.5	3.9						
62.0	16.9	45.7	4.0							

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]: 94.0
 Lastre central [t]: 52.6

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 44.5 m Plumín 22.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
9.9	78.0	77.7		30.1						
10.0	77.9	77.7	15.1	30.1						
11.0	75.2	77.4	15.1	30.1						
12.0	72.4	77.1	15.1	28.3						
13.0	69.7	76.7	15.1	25.8						
14.0	66.8	76.3	15.1	22.4						
16.0	60.9	75.2	15.1	17.4						
18.0	54.7	73.9	14.2	14.0						
20.0	47.8	72.2	12.9	11.7						
22.0	40.1	70.1	10.3	9.8						
24.0	30.6	67.2	8.5	8.3						
Ángulo de pluma principal 83.0 [°]										
16.5	73.0	76.7	15.1	29.4						
18.0	68.7	76.1	15.1	24.5						
20.0	62.9	75.2	15.1	18.7						
22.0	56.8	74.0	13.7	15.0						
24.0	50.2	72.4	12.1	12.4						
26.0	42.8	70.4	9.9	10.4						
28.0	34.0	67.8	8.2	8.8						
30.0	22.2	64.0	7.0	7.5						
Ángulo de pluma principal 75.0 [°]										
26.6	65.0	73.9		19.4						
28.0	60.9	73.2	15.1	17.2						
30.0	54.6	71.9	13.5	14.0						
32.0	47.8	70.2	11.3	11.7						
34.0	40.0	68.1	9.3	9.8						
36.0	30.6	65.2	7.9	8.5						
Ángulo de pluma principal 65.0 [°]										
38.6	55.0	68.6		12.7						
40.0	50.4	67.6	13.1	11.8						
42.0	43.1	65.6	10.6	10.0						
44.0	34.4	63.0	8.7	8.5						
46.0	22.8	59.3	7.4	7.3						
47.0	16.4	56.4	6.8							

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 44.5 m Plumín 25.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
10.5	78.0	80.6		26.6						
11.0	76.9	80.5	15.1	26.2						
12.0	74.5	80.2	15.1	21.9						
13.0	72.1	79.9	15.1	18.8						
14.0	69.6	79.5	15.1	16.5						
16.0	64.6	78.6	12.5	13.1						
18.0	59.3	77.5	10.3	10.8						
20.0	53.8	76.1	8.5	9.0						
22.0	47.7	74.4	7.2	7.7						
24.0	41.0	72.3	6.2	6.6						
26.0	33.1	69.6	5.4	5.8						
28.0	22.7	65.8	4.7	5.1						
Ángulo de pluma principal 83.0 [°]										
17.3	73.0	79.5	15.1	18.7						
18.0	71.3	79.3	15.1	17.9						
20.0	66.3	78.5	14.4	14.1						
22.0	61.1	77.5	12.6	11.5						
24.0	55.7	76.2	10.0	9.5						
26.0	49.8	74.6	8.2	8.2						
28.0	43.3	72.6	7.0	7.0						
30.0	35.9	70.2	6.0	6.1						
32.0	26.6	66.8	5.3	5.4						
Ángulo de pluma principal 75.0 [°]										
27.8	65.0	76.7		12.7						
28.0	64.6	76.6	12.3	12.7						
30.0	59.3	75.5	10.3	10.7						
32.0	53.7	74.1	8.4	9.0						
34.0	47.7	72.4	7.2	7.7						
36.0	40.9	70.3	6.2	6.6						
38.0	33.1	67.6	5.4	5.8						
40.0	22.7	63.8	4.8	5.1						
Ángulo de pluma principal 65.0 [°]										
40.3	55.0	71.0		9.0						
42.0	50.0	69.8	8.3	8.1						
44.0	43.6	67.8	7.0	7.0						
46.0	36.2	65.4	6.1	6.1						
48.0	27.0	62.1	5.4	5.4						
Ángulo de pluma principal 45.0 [°]										
61.4	35.0	53.7		3.7						
65.0	15.8	46.0	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 47.5 m Plumín 25.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
10.6	78.0	80.6	15.1	30.1						
11.0	77.0	80.5	15.1	30.1						
12.0	74.6	80.2	15.1	29.7						
13.0	72.2	79.9	15.1	26.4						
14.0	69.8	79.5	15.1	22.9						
16.0	64.7	78.7	15.1	17.8						
18.0	59.5	77.5	14.4	14.5						
20.0	53.9	76.2	12.5	12.0						
22.0	47.9	74.5	10.8	10.2						
24.0	41.1	72.4	8.9	8.6						
26.0	33.2	69.7	7.4	7.4						
28.0	22.9	65.9	6.3	6.3						
Ángulo de pluma principal 83.0 [°]										
17.3	73.0	79.6		26.0						
18.0	71.4	79.3	15.1	25.1						
20.0	66.4	78.5	15.1	19.3						
22.0	61.3	77.5	15.1	15.5						
24.0	55.8	76.2	12.3	12.7						
26.0	49.9	74.6	10.3	10.8						
28.0	43.5	72.7	8.7	9.1						
30.0	36.0	70.2	7.3	7.8						
32.0	26.8	66.9	6.3	6.8						
Ángulo de pluma principal 75.0 [°]										
27.9	65.0	76.7		17.1						
28.0	64.7	76.7	15.1	17.0						
30.0	59.5	75.5	15.1	14.4						
32.0	53.9	74.2	12.8	12.0						
34.0	47.8	72.5	10.8	10.2						
36.0	41.1	70.4	8.9	8.7						
38.0	33.2	67.7	7.5	7.6						
40.0	22.9	63.9	6.5	6.5						
Ángulo de pluma principal 65.0 [°]										
40.4	55.0	71.0		11.4						
42.0	50.2	69.8	11.1	10.3						
44.0	43.7	67.9	9.1	8.8						
46.0	36.3	65.4	7.6	7.6						
48.0	27.2	62.1	6.6	6.6						
50.0	15.3	56.7	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 47.5 m Plumín 28.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
11.1	78.0	83.5		30.1						
12.0	76.2	83.3	15.1	30.1						
13.0	74.1	83.0	15.1	29.5						
14.0	71.9	82.7	15.1	26.4						
16.0	67.5	81.9	15.1	21.5						
18.0	63.0	81.0	15.1	17.9						
20.0	58.2	79.8	14.5	15.4						
22.0	53.2	78.4	13.8	13.5						
24.0	47.8	76.7	12.7	12.0						
26.0	41.8	74.6	11.1	10.7						
28.0	35.0	72.0	9.8	9.7						
30.0	26.7	68.6	8.9	8.9						
Ángulo de pluma principal 83.0 [°]										
18.2	73.0	82.4	15.1	26.4						
20.0	69.0	81.8	15.1	22.8						
22.0	64.5	80.9	15.1	18.9						
24.0	59.8	79.8	14.9	16.2						
26.0	54.9	78.4	14.1	14.0						
28.0	49.6	76.8	13.3	12.5						
30.0	43.9	74.9	11.6	11.1						
32.0	37.4	72.5	10.2	10.0						
34.0	29.7	69.4	9.2	9.2						
Ángulo de pluma principal 75.0 [°]										
29.1	65.0	79.4		18.2						
30.0	62.9	79.0	15.1	17.8						
32.0	58.2	77.8	15.1	15.4						
34.0	53.2	76.4	13.9	13.4						
36.0	47.7	74.7	12.7	12.0						
38.0	41.8	72.6	11.1	10.7						
40.0	35.0	70.0	9.9	9.7						
42.0	26.7	66.6	9.0	9.0						
Ángulo de pluma principal 65.0 [°]										
42.0	55.0	73.5		13.4						
44.0	49.8	72.0	13.3	12.4						
46.0	44.1	70.1	11.7	11.2						
48.0	37.7	67.7	10.3	10.1						
50.0	30.0	64.7	9.3	9.3						
Ángulo de pluma principal 45.0 [°]										
63.8	35.0	55.5		3.0						
65.0	30.4	53.9	3.3	2.7						
67.0	20.4	49.7	2.8	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 50.5 m Plumín 19.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
9.3	78.0	74.7	15.1	30.1						
10.0	75.7	74.5	15.1	30.1						
11.0	72.6	74.2	15.1	29.1						
12.0	69.3	73.9	15.1	26.1						
13.0	66.0	73.4	15.1	22.4						
14.0	62.6	72.9	15.1	19.4						
16.0	55.5	71.6	14.9	15.2						
18.0	47.6	70.0	13.9	12.4						
20.0	38.4	67.7	10.9	10.2						
22.0	26.4	64.5	8.9	8.6						
Ángulo de pluma principal 83.0 [°]										
15.5	73.0	73.8		29.3						
16.0	71.5	73.7	15.1	29.1						
18.0	64.9	72.8	15.1	21.2						
20.0	57.9	71.6	15.1	16.4						
22.0	50.3	70.1	15.1	13.2						
24.0	41.6	68.1	11.9	10.8						
26.0	30.9	65.3	9.6	9.1						
Ángulo de pluma principal 75.0 [°]										
25.3	65.0	71.2		19.8						
26.0	62.6	70.9	15.1	19.3						
28.0	55.4	69.6	15.0	15.2						
30.0	47.5	68.0	14.0	12.4						
32.0	38.3	65.7	11.1	10.2						
34.0	26.4	62.5	9.2	8.8						
Ángulo de pluma principal 65.0 [°]										
36.9	55.0	66.1		13.8						
38.0	50.6	65.3	15.0	12.9						
40.0	41.9	63.3	12.1	11.1						
42.0	31.3	60.5	9.9	9.4						
Ángulo de pluma principal 45.0 [°]										
56.5	35.0	50.3		2.9						
59.0	18.3	45.2	3.0							

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 50.5 m Plumín 28.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
11.2	78.0	83.5	15.1	30.1						
12.0	76.3	83.4	15.1	30.1						
13.0	74.2	83.1	15.1	30.1						
14.0	72.0	82.7	15.1	29.0						
16.0	67.6	82.0	15.1	25.7						
18.0	63.1	81.0	15.1	21.0						
20.0	58.3	79.8	15.1	17.9						
22.0	53.3	78.4	15.1	15.3						
24.0	47.9	76.7	14.3	13.5						
26.0	42.0	74.7	12.4	11.9						
28.0	35.2	72.1	10.8	10.5						
30.0	26.9	68.7	9.6	9.5						
Ángulo de pluma principal 83.0 [°]										
18.2	73.0	82.4		30.1						
20.0	69.1	81.8	15.1	27.4						
22.0	64.6	80.9	15.1	22.3						
24.0	59.9	79.8	15.1	18.8						
26.0	55.0	78.5	15.1	16.0						
28.0	49.7	76.9	14.8	14.1						
30.0	44.0	74.9	12.9	12.4						
32.0	37.5	72.6	11.3	11.0						
34.0	29.9	69.5	10.1	9.9						
Ángulo de pluma principal 75.0 [°]										
29.2	65.0	79.4		21.5						
30.0	63.1	79.0	15.1	21.1						
32.0	58.3	77.8	15.1	17.8						
34.0	53.3	76.4	15.1	15.3						
36.0	47.9	74.7	14.5	13.5						
38.0	41.9	72.7	12.6	11.9						
40.0	35.2	70.1	11.0	10.7						
42.0	26.8	66.7	9.8	9.6						
Ángulo de pluma principal 65.0 [°]										
42.1	55.0	73.5		10.5						
44.0	49.9	72.0	11.0	9.5						
46.0	44.2	70.1	10.1	8.6						
48.0	37.8	67.8	9.2	7.8						
50.0	30.2	64.7	8.4	7.1						
52.0	19.9	60.4	7.7	6.4						

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]: 94.0
 Lastre central [t]: 52.6

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 53.5 m Plumín 22.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
9.9	78.0	77.7	15.1	30.1						
10.0	77.7	77.6	15.1	30.1						
11.0	75.0	77.4	15.1	28.7						
12.0	72.3	77.1	15.1	24.6						
13.0	69.5	76.7	15.1	21.0						
14.0	66.7	76.3	15.1	18.3						
16.0	60.8	75.2	15.1	14.4						
18.0	54.5	73.9	12.3	11.6						
20.0	47.6	72.2	10.3	9.6						
22.0	39.9	70.1	8.3	8.0						
24.0	30.4	67.1	6.8	6.7						
Ángulo de pluma principal 83.0 [°]										
16.4	73.0	76.7		23.5						
18.0	68.6	76.1	15.1	19.9						
20.0	62.8	75.1	15.1	15.4						
22.0	56.6	73.9	13.2	12.4						
24.0	50.0	72.4	11.0	10.2						
26.0	42.6	70.4	8.9	8.5						
28.0	33.8	67.8	7.3	7.2						
30.0	22.0	64.0	6.2	6.1						
Ángulo de pluma principal 75.0 [°]										
26.6	65.0	73.9		15.7						
28.0	60.8	73.2	15.0	14.3						
30.0	54.5	71.9	12.8	11.6						
32.0	47.6	70.2	10.3	9.7						
34.0	39.8	68.0	8.4	8.1						
36.0	30.4	65.1	7.0	6.9						
Ángulo de pluma principal 65.0 [°]										
38.6	55.0	68.6		11.2						
40.0	50.3	67.5	11.2	10.3						
42.0	42.9	65.6	9.1	8.7						
44.0	34.2	63.0	7.5	7.4						
46.0	22.5	59.2	6.5	6.4						
Ángulo de pluma principal 45.0 [°]										
58.9	35.0	52.0		2.2						
60.0	30.6	50.5	2.6							
62.0	16.9	45.7	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 53.5 m Plumín 31.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
11.8	78.0	86.5		30.1						
12.0	77.7	86.4	15.1	30.1						
13.0	75.7	86.2	15.1	30.1						
14.0	73.8	85.9	15.1	30.1						
16.0	69.9	85.2	15.1	24.3						
18.0	65.9	84.3	15.1	20.1						
20.0	61.7	83.3	15.1	16.9						
22.0	57.4	82.1	14.0	14.5						
24.0	52.8	80.7	12.9	12.7						
26.0	47.9	79.0	11.7	11.2						
28.0	42.6	76.9	10.1	9.9						
30.0	36.6	74.5	8.7	8.8						
32.0	29.6	71.3	7.8	7.9						
34.0	20.4	67.0	6.9	7.0						
Ángulo de pluma principal 83.0 [°]										
19.1	73.0	85.3		27.1						
20.0	71.2	85.0	15.1	26.2						
22.0	67.2	84.2	15.1	21.4						
24.0	63.1	83.2	15.1	17.8						
26.0	58.9	82.1	14.5	15.3						
28.0	54.4	80.7	13.4	13.2						
30.0	49.6	79.1	12.3	11.7						
32.0	44.4	77.2	10.6	10.3						
34.0	38.7	74.9	9.2	9.2						
36.0	32.1	72.0	8.2	8.3						
38.0	23.9	68.2	7.3	7.4						
Ángulo de pluma principal 75.0 [°]										
30.4	65.0	82.1		18.1						
32.0	61.7	81.3	15.1	16.9						
34.0	57.4	80.1	14.8	14.6						
36.0	52.8	78.7	13.1	12.7						
38.0	47.9	77.0	11.8	11.2						
40.0	42.6	74.9	10.2	10.0						
42.0	36.6	72.4	8.9	8.9						
44.0	29.6	69.3	8.0	8.1						
46.0	20.4	65.0	7.1	7.2						
Ángulo de pluma principal 65.0 [°]										
43.8	55.0	75.9		9.4						
44.0	54.5	75.9	10.6	9.3						
46.0	49.8	74.3	9.7	8.4						
48.0	44.6	72.4	8.8	7.6						
50.0	38.9	70.1	8.1	6.9						
55.0	18.9	61.0	6.4	5.3						

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]:	94.0		
Lastre central [t]:	52.6		

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 56.5 m Plumín 22.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
9.9	78.0	77.7		30.1						
10.0	77.9	77.7	15.1	30.1						
11.0	75.2	77.4	15.1	30.1						
12.0	72.4	77.1	15.1	29.2						
13.0	69.7	76.7	15.1	27.3						
14.0	66.8	76.3	15.1	24.3						
16.0	60.9	75.2	15.1	18.8						
18.0	54.7	73.9	14.8	15.1						
20.0	47.8	72.2	13.9	12.6						
22.0	40.1	70.1	11.2	10.5						
24.0	30.6	67.2	9.1	8.9						
Ángulo de pluma principal 83.0 [°]										
16.5	73.0	76.7	15.1	30.1						
18.0	68.7	76.1	15.1	26.5						
20.0	62.9	75.2	15.1	20.2						
22.0	56.8	74.0	15.1	16.2						
24.0	50.2	72.4	14.9	13.4						
26.0	42.8	70.4	12.1	11.1						
28.0	34.0	67.8	9.8	9.4						
30.0	22.2	64.0	8.1	7.9						
Ángulo de pluma principal 75.0 [°]										
26.6	65.0	73.9		20.6						
28.0	60.9	73.2	15.1	18.7						
30.0	54.6	71.9	14.8	15.1						
32.0	47.8	70.2	14.0	12.6						
34.0	40.0	68.1	11.3	10.6						
36.0	30.6	65.2	9.4	9.1						
Ángulo de pluma principal 65.0 [°]										
38.6	55.0	68.6		9.4						
40.0	50.4	67.6	10.8	8.5						
42.0	43.1	65.6	9.5	7.4						
44.0	34.4	63.0	8.3	6.3						
46.0	22.8	59.3	7.3	5.4						
47.0	16.4	56.4	6.7							

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 56.5 m Plumín 25.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
10.5	78.0	80.6		29.0						
11.0	76.9	80.5	15.1	29.0						
12.0	74.5	80.2	15.1	24.8						
13.0	72.1	79.9	15.1	21.4						
14.0	69.6	79.5	15.1	18.7						
16.0	64.6	78.6	14.5	14.9						
18.0	59.3	77.5	13.2	12.4						
20.0	53.8	76.1	10.8	10.3						
22.0	47.7	74.4	9.2	8.9						
24.0	41.0	72.3	7.7	7.6						
26.0	33.1	69.6	6.6	6.7						
28.0	22.7	65.8	5.8	5.8						
Ángulo de pluma principal 83.0 [°]										
17.3	73.0	79.5	15.1	20.8						
18.0	71.3	79.3	15.1	20.4						
20.0	66.3	78.5	14.9	16.0						
22.0	61.1	77.5	14.0	13.1						
24.0	55.7	76.2	11.5	10.9						
26.0	49.8	74.6	9.7	9.3						
28.0	43.3	72.6	8.2	8.0						
30.0	35.9	70.2	7.0	7.0						
32.0	26.6	66.8	6.1	6.2						
Ángulo de pluma principal 75.0 [°]										
27.8	65.0	76.7		14.2						
28.0	64.6	76.6	13.9	14.2						
30.0	59.3	75.5	11.9	12.2						
32.0	53.7	74.1	9.8	10.3						
34.0	47.7	72.4	8.3	8.9						
36.0	40.9	70.3	7.2	7.7						
38.0	33.1	67.6	6.3	6.8						
40.0	22.7	63.8	5.6	5.9						
Ángulo de pluma principal 65.0 [°]										
40.3	55.0	71.0		10.2						
42.0	50.0	69.8	9.6	9.4						
44.0	43.6	67.8	8.1	8.1						
46.0	36.2	65.4	7.0	7.1						
48.0	27.0	62.1	6.2	6.3						
Ángulo de pluma principal 45.0 [°]										
61.6	35.0	53.7	2.3							
62.0	33.2	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 59.5 m Plumín 25.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
10.6	78.0	80.6	15.1	30.1						
11.0	77.0	80.5	15.1	30.1						
12.0	74.6	80.2	15.1	30.1						
13.0	72.2	79.9	15.1	28.0						
14.0	69.8	79.5	15.1	24.5						
16.0	64.7	78.7	15.1	19.2						
18.0	59.5	77.5	14.5	15.7						
20.0	53.9	76.2	12.2	12.9						
22.0	47.9	74.5	10.5	10.9						
24.0	41.1	72.4	8.8	9.2						
26.0	33.2	69.7	7.4	7.9						
28.0	22.9	65.9	6.3	6.7						
Ángulo de pluma principal 83.0 [°]										
17.3	73.0	79.6		27.2						
18.0	71.4	79.3	15.1	27.1						
20.0	66.4	78.5	15.1	20.9						
22.0	61.3	77.5	15.1	16.7						
24.0	55.8	76.2	13.0	13.7						
26.0	49.9	74.6	11.2	11.6						
28.0	43.5	72.7	9.4	9.8						
30.0	36.0	70.2	7.8	8.4						
32.0	26.8	66.9	6.7	7.2						
Ángulo de pluma principal 75.0 [°]										
27.9	65.0	76.7		18.0						
28.0	64.7	76.7	15.1	18.0						
30.0	59.5	75.5	14.7	15.6						
32.0	53.9	74.2	12.7	13.0						
34.0	47.8	72.5	10.6	11.1						
36.0	41.1	70.4	8.9	9.4						
38.0	33.2	67.7	7.5	8.1						
40.0	22.9	63.9	6.5	6.9						
Ángulo de pluma principal 65.0 [°]										
40.4	55.0	71.0		8.3						
42.0	50.2	69.8	9.3	7.4						
44.0	43.7	67.9	8.2	6.4						
46.0	36.3	65.4	7.1	5.5						
48.0	27.2	62.1	6.2	4.7						
50.0	15.3	56.7	5.3							

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 59.5 m Plumín 28.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
11.1	78.0	83.5		26.7						
12.0	76.2	83.3	15.1	25.9						
13.0	74.1	83.0	15.1	22.4						
14.0	71.9	82.7	15.1	19.6						
16.0	67.5	81.9	14.8	15.7						
18.0	63.0	81.0	13.4	12.8						
20.0	58.2	79.8	11.5	10.8						
22.0	53.2	78.4	9.3	9.0						
24.0	47.8	76.7	7.8	7.8						
26.0	41.8	74.6	6.7	6.6						
28.0	35.0	72.0	5.7	5.7						
30.0	26.7	68.6	5.0	5.0						
Ángulo de pluma principal 83.0 [°]										
18.2	73.0	82.4	15.1	19.1						
20.0	69.0	81.8	15.1	16.7						
22.0	64.5	80.9	14.0	13.6						
24.0	59.8	79.8	12.3	11.4						
26.0	54.9	78.4	10.0	9.6						
28.0	49.6	76.8	8.3	8.2						
30.0	43.9	74.9	7.1	7.1						
32.0	37.4	72.5	6.1	6.1						
34.0	29.7	69.4	5.3	5.4						
Ángulo de pluma principal 75.0 [°]										
29.1	65.0	79.4		13.0						
30.0	62.9	79.0	14.1	12.9						
32.0	58.2	77.8	11.5	10.8						
34.0	53.2	76.4	9.4	9.1						
36.0	47.7	74.7	8.0	7.9						
38.0	41.8	72.6	6.8	6.8						
40.0	35.0	70.0	5.9	5.9						
42.0	26.7	66.6	5.2	5.2						
Ángulo de pluma principal 65.0 [°]										
42.0	55.0	73.5		9.2						
44.0	49.8	72.0	8.5	8.3						
46.0	44.1	70.1	7.3	7.3						
48.0	37.7	67.7	6.2	6.3						
50.0	30.0	64.7	5.5	5.6						
52.0	19.8	60.3	4.8	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de roldan- as [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 62.5 m Plumín 28.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
11.2	78.0	83.5	15.1	30.1						
12.0	76.3	83.4	15.1	30.1						
13.0	74.2	83.1	15.1	27.1						
14.0	72.0	82.7	15.1	23.7						
16.0	67.6	82.0	15.1	18.6						
18.0	63.1	81.0	15.1	15.0						
20.0	58.3	79.8	13.5	12.5						
22.0	53.3	78.4	10.9	10.4						
24.0	47.9	76.7	9.1	8.9						
26.0	42.0	74.7	7.6	7.5						
28.0	35.2	72.1	6.4	6.4						
30.0	26.9	68.7	5.5	5.5						
Ángulo de pluma principal 83.0 [°]										
18.2	73.0	82.4		23.2						
20.0	69.1	81.8	15.1	20.0						
22.0	64.6	80.9	15.1	16.0						
24.0	59.9	79.8	14.5	13.3						
26.0	55.0	78.5	11.7	11.1						
28.0	49.7	76.9	9.8	9.4						
30.0	44.0	74.9	8.2	8.0						
32.0	37.5	72.6	6.9	6.8						
34.0	29.9	69.5	5.9	5.9						
Ángulo de pluma principal 75.0 [°]										
29.2	65.0	79.4		15.2						
30.0	63.1	79.0	15.1	15.1						
32.0	58.3	77.8	13.5	12.5						
34.0	53.3	76.4	11.1	10.5						
36.0	47.9	74.7	9.2	9.0						
38.0	41.9	72.7	7.8	7.7						
40.0	35.2	70.1	6.6	6.6						
42.0	26.8	66.7	5.7	5.7						
Ángulo de pluma principal 65.0 [°]										
42.1	55.0	73.5		7.4						
44.0	49.9	72.0	8.1	6.5						
46.0	44.2	70.1	7.1	5.6						
48.0	37.8	67.8	6.1	4.8						
50.0	30.2	64.7	5.3	4.1						
52.0	19.9	60.4	4.5	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 62.5 m Plumín 31.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
11.8	78.0	86.5	15.1	24.3						
12.0	77.5	86.4	15.1	24.3						
13.0	75.6	86.2	15.1	22.7						
14.0	73.7	85.9	15.1	20.0						
16.0	69.8	85.2	15.1	15.9						
18.0	65.8	84.3	13.5	13.1						
20.0	61.6	83.3	11.7	11.1						
22.0	57.3	82.1	9.8	9.4						
24.0	52.7	80.6	8.1	8.0						
26.0	47.8	78.9	6.9	6.9						
28.0	42.5	76.9	6.0	6.0						
30.0	36.5	74.4	5.2	5.2						
32.0	29.5	71.3	4.6	4.6						
34.0	20.3	66.9	4.0	4.1						
Ángulo de pluma principal 83.0 [°]										
19.0	73.0	85.3		17.4						
20.0	71.1	85.0	15.1	17.0						
22.0	67.1	84.2	15.0	14.0						
24.0	63.0	83.2	12.4	11.6						
26.0	58.7	82.0	10.4	9.9						
28.0	54.2	80.7	8.6	8.4						
30.0	49.5	79.1	7.3	7.3						
32.0	44.3	77.2	6.3	6.4						
34.0	38.6	74.8	5.5	5.5						
36.0	32.0	72.0	4.8	4.9						
38.0	23.7	68.1	4.3	4.3						
Ángulo de pluma principal 75.0 [°]										
30.4	65.0	82.1		11.8						
32.0	61.6	81.3	11.8	11.1						
34.0	57.3	80.1	9.8	9.5						
36.0	52.7	78.6	8.2	8.1						
38.0	47.8	76.9	7.1	7.1						
40.0	42.5	74.9	6.1	6.1						
42.0	36.5	72.4	5.3	5.4						
44.0	29.5	69.3	4.7	4.8						
46.0	20.2	64.9	4.1	4.2						
Ángulo de pluma principal 65.0 [°]										
43.7	55.0	75.9		8.3						
44.0	54.4	75.8	8.2	8.3						
46.0	49.6	74.2	7.4	7.5						
48.0	44.5	72.3	6.5	6.5						
50.0	38.8	70.0	5.6	5.7						
55.0	18.7	60.9	4.2	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 65.5 m Plumín 31.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
11.8	78.0	86.5		30.1						
12.0	77.7	86.4	15.1	30.1						
13.0	75.7	86.2	15.1	30.1						
14.0	73.8	85.9	15.1	29.1						
16.0	69.9	85.2	15.1	23.5						
18.0	65.9	84.3	15.1	19.4						
20.0	61.7	83.3	15.1	16.3						
22.0	57.4	82.1	13.8	14.0						
24.0	52.8	80.7	12.3	12.1						
26.0	47.9	79.0	10.8	10.5						
28.0	42.6	76.9	8.6	8.6						
30.0	36.6	74.5	6.8	7.0						
32.0	29.6	71.3	5.3	5.6						
34.0	20.4	67.0	3.9	4.0						
Ángulo de pluma principal 83.0 [°]										
19.1	73.0	85.3		25.7						
20.0	71.2	85.0	15.1	25.5						
22.0	67.2	84.2	15.1	20.7						
24.0	63.1	83.2	15.1	17.2						
26.0	58.9	82.1	14.4	14.8						
28.0	54.4	80.7	12.9	12.7						
30.0	49.6	79.1	11.7	11.2						
32.0	44.4	77.2	10.0	9.8						
34.0	38.7	74.9	8.6	8.6						
36.0	32.1	72.0	7.4	7.6						
38.0	23.9	68.2	6.4	6.6						
Ángulo de pluma principal 75.0 [°]										
30.4	65.0	82.1		17.2						
32.0	61.7	81.3	15.1	16.0						
34.0	57.4	80.1	15.0	14.1						
36.0	52.8	78.7	12.8	12.2						
38.0	47.9	77.0	11.2	10.8						
40.0	42.6	74.9	9.7	9.5						
42.0	36.6	72.4	8.4	8.4						
44.0	29.6	69.3	7.5	7.6						
46.0	20.4	65.0	6.6	6.7						
Ángulo de pluma principal 65.0 [°]										
43.8	55.0	75.9		6.4						
44.0	54.5	75.9	7.7	6.3						
46.0	49.8	74.3	6.8	5.5						
48.0	44.6	72.4	5.9	4.7						
50.0	38.9	70.1	5.1	4.0						
55.0	18.9	61.0	3.2	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 65.5 m Plumín 34.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
12.4	78.0	89.4	15.1	22.2						
13.0	76.9	89.3	15.1	22.2						
14.0	75.2	89.0	15.1	20.1						
16.0	71.7	88.4	15.1	16.1						
18.0	68.0	87.6	14.8	13.5						
20.0	64.3	86.7	12.0	11.3						
22.0	60.5	85.6	10.1	9.7						
24.0	56.5	84.3	8.4	8.2						
26.0	52.3	82.9	7.1	7.1						
28.0	47.8	81.2	6.1	6.2						
30.0	43.0	79.1	5.3	5.4						
32.0	37.7	76.7	4.6	4.7						
34.0	31.6	73.8	4.1	4.2						
36.0	24.1	70.0	3.6	3.7						
Ángulo de pluma principal 83.0 [°]										
19.9	73.0	88.2		15.9						
20.0	72.8	88.2	15.1	15.9						
22.0	69.3	87.4	14.8	14.2						
24.0	65.6	86.6	12.9	11.9						
26.0	61.8	85.5	10.6	10.1						
28.0	57.9	84.3	8.9	8.7						
30.0	53.7	82.9	7.5	7.5						
32.0	49.4	81.3	6.5	6.6						
34.0	44.7	79.4	5.7	5.7						
36.0	39.5	77.1	4.9	5.0						
38.0	33.7	74.4	4.3	4.4						
40.0	26.8	70.9	3.9	3.9						
Ángulo de pluma principal 75.0 [°]										
31.6	65.0	84.8		10.8						
32.0	64.3	84.7	11.3	10.8						
34.0	60.5	83.6	10.0	9.6						
36.0	56.5	82.3	8.4	8.4						
38.0	52.3	80.9	7.2	7.2						
40.0	47.8	79.1	6.3	6.4						
42.0	43.0	77.1	5.5	5.5						
44.0	37.7	74.7	4.8	4.9						
46.0	31.6	71.8	4.2	4.3						
48.0	24.1	68.0	3.8	3.9						
Ángulo de pluma principal 65.0 [°]										
45.5	55.0	78.4		7.5						
46.0	53.9	78.1	7.3	7.5						
48.0	49.5	76.5	6.6	6.7						
50.0	44.8	74.6	5.8	5.9						
55.0	30.7	68.0	4.3	4.4						
58.0	17.8	61.4	3.6	3.6						

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 68.5 m Plumín 34.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
12.4	78.0	89.4		30.1						
13.0	77.0	89.3	15.1	30.1						
14.0	75.3	89.0	15.1	28.1						
16.0	71.8	88.4	15.1	22.4						
18.0	68.1	87.6	15.1	18.5						
20.0	64.4	86.7	14.8	15.5						
22.0	60.6	85.6	14.5	13.4						
24.0	56.6	84.4	12.1	11.5						
26.0	52.4	82.9	10.3	10.0						
28.0	48.0	81.2	8.8	8.8						
30.0	43.1	79.2	7.4	7.5						
32.0	37.8	76.8	6.2	6.5						
34.0	31.7	73.9	5.2	5.4						
36.0	24.2	70.1	4.0	4.1						
Ángulo de pluma principal 83.0 [°]										
20.0	73.0	88.2	15.1	22.2						
22.0	69.4	87.5	15.1	19.5						
24.0	65.7	86.6	15.0	16.3						
26.0	61.9	85.6	14.7	14.0						
28.0	58.0	84.4	12.9	12.1						
30.0	53.8	83.0	10.8	10.5						
32.0	49.5	81.3	9.4	9.3						
34.0	44.8	79.4	8.2	8.1						
36.0	39.6	77.2	7.1	7.2						
38.0	33.9	74.5	6.2	6.4						
40.0	26.9	71.0	5.5	5.6						
Ángulo de pluma principal 75.0 [°]										
31.7	65.0	84.8		14.8						
32.0	64.4	84.7	15.1	14.8						
34.0	60.6	83.6	14.3	13.3						
36.0	56.6	82.4	12.2	11.6						
38.0	52.4	80.9	10.3	10.0						
40.0	47.9	79.2	9.0	8.9						
42.0	43.1	77.2	7.8	7.9						
44.0	37.8	74.8	6.9	7.0						
46.0	31.7	71.8	6.1	6.3						
48.0	24.2	68.0	5.4	5.6						
Ángulo de pluma principal 65.0 [°]										
45.5	55.0	78.4		5.7						
46.0	54.0	78.1	6.7	5.5						
48.0	49.6	76.5	5.8	4.8						
50.0	45.0	74.6	5.0	4.1						
55.0	30.8	68.1	3.3	2.6						
58.0	19.4	61.4	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 68.5 m Plumín 37.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
13.0	78.0	92.3	15.1	21.6						
14.0	76.4	92.1	15.1	21.6						
16.0	73.2	91.5	15.1	17.3						
18.0	69.9	90.8	14.8	14.4						
20.0	66.6	90.0	13.2	12.3						
22.0	63.1	89.0	10.9	10.5						
24.0	59.6	87.9	9.3	9.1						
26.0	55.9	86.6	8.0	7.9						
28.0	52.0	85.1	6.9	6.9						
30.0	47.9	83.4	6.0	6.1						
32.0	43.5	81.4	5.3	5.4						
34.0	38.6	79.1	4.7	4.8						
36.0	33.2	76.3	4.2	4.3						
38.0	26.8	72.8	3.8	3.9						
Ángulo de pluma principal 83.0 [°]										
20.8	73.0	91.0	15.1	15.6						
22.0	71.0	90.6	15.1	15.3						
24.0	67.7	89.8	13.8	12.9						
26.0	64.3	88.9	11.6	11.0						
28.0	60.8	87.8	9.8	9.6						
30.0	57.1	86.6	8.4	8.3						
32.0	53.3	85.2	7.2	7.3						
34.0	49.3	83.5	6.4	6.5						
36.0	45.0	81.6	5.6	5.7						
38.0	40.3	79.4	4.9	5.1						
40.0	35.1	76.8	4.3	4.5						
42.0	29.1	73.6	3.9	4.1						
44.0	21.6	69.3	3.5	3.6						
Ángulo de pluma principal 75.0 [°]										
32.9	65.0	87.5		10.6						
34.0	63.1	87.0	10.9	10.6						
36.0	59.5	85.9	9.3	9.2						
38.0	55.8	84.6	8.0	8.0						
40.0	52.0	83.1	7.0	7.0						
42.0	47.9	81.4	6.2	6.3						
44.0	43.4	79.4	5.4	5.6						
46.0	38.6	77.0	4.8	4.9						
48.0	33.2	74.2	4.3	4.4						
50.0	26.8	70.7	3.9	4.0						
Ángulo de pluma principal 65.0 [°]										
47.2	55.0	80.9		7.4						
48.0	53.4	80.3	7.2	7.3						
50.0	49.4	78.7	6.5	6.6						
55.0	38.0	73.4	4.8	4.9						
60.0	21.9	64.6	3.7	3.8						
61.0	17.0	61.8	3.5	3.6						

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]: 94.0
 Lastre central [t]: 52.6

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 71.5 m Plumín 37.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
13.1	78.0	92.3	15.1	26.8						
14.0	76.5	92.1	15.1	26.5						
16.0	73.3	91.6	15.1	21.2						
18.0	70.0	90.9	15.1	17.2						
20.0	66.7	90.0	13.7	14.5						
22.0	63.2	89.1	11.7	12.3						
24.0	59.7	87.9	10.2	10.7						
26.0	56.0	86.6	8.7	9.2						
28.0	52.1	85.1	7.5	8.0						
30.0	48.0	83.4	6.5	7.0						
32.0	43.6	81.4	5.5	5.9						
34.0	38.8	79.1	4.7	5.0						
36.0	33.4	76.3	3.9	4.2						
38.0	27.0	72.8	2.9	3.1						
Ángulo de pluma principal 83.0 [°]										
20.8	73.0	91.0		18.8						
22.0	71.1	90.7	15.1	18.4						
24.0	67.8	89.9	15.1	15.4						
26.0	64.4	89.0	13.3	13.0						
28.0	60.8	87.9	11.8	11.3						
30.0	57.2	86.6	9.9	9.7						
32.0	53.4	85.2	8.4	8.4						
34.0	49.4	83.6	7.3	7.4						
36.0	45.1	81.7	6.4	6.5						
38.0	40.4	79.5	5.5	5.7						
40.0	35.2	76.9	4.8	5.0						
42.0	29.2	73.6	4.2	4.3						
44.0	21.7	69.4	3.6	3.7						
Ángulo de pluma principal 75.0 [°]										
33.0	65.0	87.5		12.5						
34.0	63.2	87.1	13.1	12.4						
36.0	59.6	85.9	11.1	10.7						
38.0	55.9	84.6	9.5	9.3						
40.0	52.1	83.1	8.1	8.1						
42.0	48.0	81.4	7.1	7.2						
44.0	43.6	79.4	6.2	6.3						
46.0	38.7	77.1	5.4	5.5						
48.0	33.3	74.3	4.8	4.9						
50.0	27.0	70.8	4.2	4.3						
Ángulo de pluma principal 65.0 [°]										
47.2	55.0	80.8		4.8						
48.0	53.5	80.4	5.5	4.6						
50.0	49.5	78.7	4.7	3.9						
55.0	38.1	73.4	3.0	2.4						
58.0	30.2	68.9	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 71.5 m Plumín 40.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
13.6	78.0	95.3		21.7						
14.0	77.5	95.2	15.1	21.7						
16.0	74.5	94.7	15.1	19.4						
18.0	71.5	94.0	15.1	16.5						
20.0	68.4	93.3	15.0	14.3						
22.0	65.3	92.4	12.7	12.3						
24.0	62.1	91.4	11.0	10.7						
26.0	58.7	90.2	9.6	9.5						
28.0	55.3	88.9	8.3	8.4						
30.0	51.7	87.3	7.3	7.5						
32.0	47.9	85.6	6.5	6.7						
34.0	43.8	83.6	5.8	6.1						
36.0	39.4	81.4	5.2	5.4						
38.0	34.6	78.7	4.7	4.9						
40.0	29.0	75.4	4.3	4.5						
42.0	22.1	71.2	4.0	4.1						
Ángulo de pluma principal 83.0 [°]										
21.7	73.0	93.9	15.1	16.5						
22.0	72.5	93.8	15.1	16.5						
24.0	69.4	93.1	14.7	14.9						
26.0	66.3	92.2	13.4	12.9						
28.0	63.2	91.3	11.5	11.2						
30.0	59.9	90.2	10.1	10.0						
32.0	56.5	88.9	8.8	8.8						
34.0	52.9	87.4	7.7	7.8						
36.0	49.2	85.8	6.9	7.0						
38.0	45.2	83.9	6.2	6.3						
40.0	40.9	81.7	5.5	5.7						
42.0	36.3	79.2	5.0	5.2						
44.0	30.9	76.1	4.6	4.7						
46.0	24.6	72.3	4.2	4.3						
Ángulo de pluma principal 75.0 [°]										
34.2	65.0	90.3		11.4						
36.0	62.1	89.4	11.2	10.9						
38.0	58.7	88.2	9.6	9.6						
40.0	55.3	86.9	8.5	8.5						
42.0	51.7	85.3	7.5	7.6						
44.0	47.9	83.6	6.7	6.9						
46.0	43.8	81.6	6.0	6.2						
48.0	39.4	79.4	5.4	5.6						
50.0	34.6	76.7	4.9	5.1						
Ángulo de pluma principal 65.0 [°]										
48.9	55.0	83.3		7.7						
50.0	53.0	82.6	7.7	7.3						
55.0	43.3	78.0	6.0	5.8						
60.0	31.2	71.3	4.7	4.6						
64.0	16.3	62.3	4.0	3.7						

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 74.5 m Plumín 31.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
11.8	78.0	86.5	15.1	20.1						
12.0	77.5	86.4	15.1	20.1						
13.0	75.6	86.2	15.1	19.2						
14.0	73.7	85.9	15.1	16.8						
16.0	69.8	85.2	14.2	13.4						
18.0	65.8	84.3	11.8	10.9						
20.0	61.6	83.3	9.2	8.8						
22.0	57.3	82.1	7.4	7.3						
24.0	52.7	80.6	6.1	6.0						
26.0	47.8	78.9	5.1	5.1						
28.0	42.5	76.9	4.3	4.3						
30.0	36.5	74.4	3.6	3.7						
32.0	29.5	71.3	3.0	3.0						
Ángulo de pluma principal 83.0 [°]										
19.0	73.0	85.3		14.5						
20.0	71.1	85.0	15.1	14.4						
22.0	67.1	84.2	12.6	11.5						
24.0	63.0	83.2	9.7	9.3						
26.0	58.7	82.0	7.9	7.7						
28.0	54.2	80.7	6.5	6.4						
30.0	49.5	79.1	5.5	5.5						
32.0	44.3	77.2	4.7	4.7						
34.0	38.6	74.8	3.9	4.0						
36.0	32.0	72.0	3.4	3.4						
38.0	23.7	68.1	2.9	2.9						
Ángulo de pluma principal 75.0 [°]										
30.4	65.0	82.1		9.4						
32.0	61.6	81.3	9.2	8.9						
34.0	57.3	80.1	7.5	7.4						
36.0	52.7	78.6	6.2	6.2						
38.0	47.8	76.9	5.3	5.3						
40.0	42.5	74.9	4.5	4.5						
42.0	36.5	72.4	3.8	3.9						
44.0	29.5	69.3	3.3	3.4						
46.0	20.2	64.9	2.9	2.9						
Ángulo de pluma principal 65.0 [°]										
43.7	55.0	75.9		6.3						
44.0	54.4	75.8	6.3	6.3						
46.0	49.6	74.2	5.7	5.7						
48.0	44.5	72.3	4.9	4.9						
50.0	38.8	70.0	4.1	4.2						
55.0	18.7	60.9	2.9	3.0						

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]: 94.0
 Lastre central [t]: 52.6

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de roldan- as [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 74.5 m Plumín 40.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
13.7	78.0	95.3	15.1	26.7						
14.0	77.5	95.2	15.1	26.7						
16.0	74.6	94.7	15.1	23.0						
18.0	71.6	94.1	15.1	19.1						
20.0	68.5	93.3	15.1	16.4						
22.0	65.4	92.4	13.6	13.9						
24.0	62.2	91.4	12.4	12.1						
26.0	58.8	90.2	10.9	10.6						
28.0	55.4	88.9	9.2	9.3						
30.0	51.8	87.4	7.9	8.2						
32.0	48.0	85.7	6.6	7.1						
34.0	43.9	83.7	5.3	5.6						
36.0	39.5	81.4	4.1	4.4						
38.0	34.7	78.7	3.1	3.3						
Ángulo de pluma principal 83.0 [°]										
21.7	73.0	93.9		18.9						
22.0	72.6	93.8	15.1	18.9						
24.0	69.5	93.1	15.1	17.0						
26.0	66.4	92.3	14.7	14.6						
28.0	63.2	91.3	12.9	12.6						
30.0	60.0	90.2	11.6	11.1						
32.0	56.6	88.9	9.9	9.7						
34.0	53.0	87.5	8.5	8.6						
36.0	49.3	85.8	7.5	7.7						
38.0	45.3	83.9	6.6	6.8						
40.0	41.0	81.8	5.8	6.0						
42.0	36.4	79.2	5.1	5.3						
44.0	31.1	76.2	4.3	4.4						
46.0	24.7	72.4	3.4	3.4						
Ángulo de pluma principal 75.0 [°]										
34.2	65.0	90.3		12.7						
36.0	62.2	89.4	11.8	12.2						
38.0	58.8	88.2	10.1	10.6						
40.0	55.4	86.9	8.8	9.4						
42.0	51.8	85.4	7.7	8.3						
44.0	48.0	83.7	6.9	7.5						
46.0	43.9	81.7	6.2	6.6						
48.0	39.5	79.4	5.5	5.9						
50.0	34.7	76.7	4.9	5.3						
Ángulo de pluma principal 65.0 [°]										
49.0	55.0	83.3		4.1						
50.0	53.1	82.6	4.5	3.8						
55.0	43.4	78.1	2.8	2.3						
57.0	39.4	75.7	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 77.5 m Plumín 34.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
12.4	78.0	89.4	15.1	18.0						
13.0	76.9	89.3	15.1	18.0						
14.0	75.2	89.0	15.1	16.7						
16.0	71.7	88.4	14.1	13.3						
18.0	68.0	87.6	11.9	10.9						
20.0	64.3	86.7	9.2	8.8						
22.0	60.5	85.6	7.4	7.3						
24.0	56.5	84.3	6.1	6.0						
26.0	52.3	82.9	5.0	5.0						
28.0	47.8	81.2	4.3	4.3						
30.0	43.0	79.1	3.6	3.7						
32.0	37.7	76.7	3.0	3.1						
34.0	31.6	73.8	2.5	2.5						
Ángulo de pluma principal 83.0 [°]										
19.9	73.0	88.2		12.9						
20.0	72.8	88.2	14.2	12.9						
22.0	69.3	87.4	12.5	11.4						
24.0	65.6	86.6	9.8	9.3						
26.0	61.8	85.5	7.8	7.7						
28.0	57.9	84.3	6.5	6.4						
30.0	53.7	82.9	5.4	5.4						
32.0	49.4	81.3	4.6	4.6						
34.0	44.7	79.4	3.9	4.0						
36.0	39.5	77.1	3.3	3.4						
38.0	33.7	74.4	2.8	2.9						
40.0	26.8	70.9	2.4	2.4						
Ángulo de pluma principal 75.0 [°]										
31.6	65.0	84.8		8.2						
32.0	64.3	84.7	7.6	8.2						
34.0	60.5	83.6	6.8	7.3						
36.0	56.5	82.3	5.8	6.2						
38.0	52.3	80.9	4.9	5.2						
40.0	47.8	79.1	4.2	4.5						
42.0	43.0	77.1	3.6	3.8						
44.0	37.7	74.7	3.1	3.3						
46.0	31.6	71.8	2.7	2.8						
48.0	24.1	68.0	2.3	2.5						
Ángulo de pluma principal 65.0 [°]										
45.5	55.0	78.4		5.4						
46.0	53.9	78.1	5.3	5.4						
48.0	49.5	76.5	4.8	4.8						
50.0	44.8	74.6	4.1	4.2						
55.0	30.7	68.0	2.8	2.9						
58.0	17.8	61.4	2.3	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 77.5 m Plumín 43.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
14.3	78.0	98.2		26.5						
16.0	75.7	97.8	15.1	24.9						
18.0	72.9	97.2	15.1	20.8						
20.0	70.1	96.5	15.1	17.5						
22.0	67.2	95.7	14.4	15.2						
24.0	64.3	94.8	13.1	13.2						
26.0	61.2	93.7	12.1	11.8						
28.0	58.1	92.5	10.2	10.0						
30.0	54.9	91.2	8.4	8.5						
32.0	51.5	89.6	6.9	7.2						
34.0	48.0	87.9	5.7	6.0						
36.0	44.2	85.9	4.5	4.7						
38.0	40.2	83.7	3.4	3.6						
40.0	35.8	81.1	2.5	2.6						
Ángulo de pluma principal 83.0 [°]										
22.6	73.0	96.8		18.9						
24.0	71.0	96.3	15.1	18.5						
26.0	68.2	95.5	15.1	15.9						
28.0	65.3	94.7	13.9	13.9						
30.0	62.3	93.6	12.5	12.2						
32.0	59.2	92.5	11.1	10.9						
34.0	56.0	91.2	9.6	9.6						
36.0	52.7	89.7	8.4	8.5						
38.0	49.2	88.1	7.4	7.7						
40.0	45.5	86.2	6.5	6.8						
42.0	41.6	84.0	5.7	6.0						
44.0	37.3	81.6	5.0	5.4						
46.0	32.5	78.7	4.3	4.6						
48.0	27.0	75.1	3.3	3.5						
Ángulo de pluma principal 75.0 [°]										
35.5	65.0	93.0		12.7						
36.0	64.3	92.8	13.2	12.3						
38.0	61.2	91.7	12.2	11.1						
40.0	58.1	90.5	10.6	10.0						
42.0	54.9	89.2	9.3	9.0						
44.0	51.5	87.6	8.2	8.1						
46.0	48.0	85.9	7.4	7.2						
48.0	44.2	83.9	6.6	6.4						
50.0	40.2	81.7	5.9	5.7						
55.0	28.0	74.2	4.6	4.1						
Ángulo de pluma principal 65.0 [°]										
50.7	55.0	85.8		3.3						
55.0	47.5	82.3	2.5	2.1						
56.0	46.0	81.3	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 80.5 m Plumín 34.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
12.4	78.0	89.4		30.1						
13.0	77.0	89.3	15.1	30.1						
14.0	75.3	89.0	15.1	30.1						
16.0	71.8	88.4	15.1	25.1						
18.0	68.1	87.6	15.1	21.0						
20.0	64.4	86.7	13.5	16.1						
22.0	60.6	85.6	12.1	12.6						
24.0	56.6	84.4	8.3	8.5						
26.0	52.4	82.9	5.1	5.2						
28.0	48.0	81.2	3.0	3.1						
Ángulo de pluma principal 83.0 [°]										
20.0	73.0	88.2	15.1	23.8						
22.0	69.4	87.5	15.1	22.2						
24.0	65.7	86.6	14.9	18.4						
26.0	61.9	85.6	14.2	15.3						
28.0	58.0	84.4	12.6	12.8						
30.0	53.8	83.0	10.0	10.5						
32.0	49.5	81.3	8.2	8.6						
34.0	44.8	79.4	5.6	5.8						
36.0	39.6	77.2	3.3	3.4						
Ángulo de pluma principal 75.0 [°]										
31.7	65.0	84.8		12.6						
32.0	64.4	84.7	15.1	12.4						
34.0	60.6	83.6	14.4	10.7						
36.0	56.6	82.4	12.6	9.4						
38.0	52.4	80.9	10.5	8.2						
40.0	47.9	79.2	9.0	7.0						
42.0	43.1	77.2	7.6	6.0						
44.0	37.8	74.8	6.5	5.0						
46.0	31.7	71.8	5.4	4.2						
48.0	24.2	68.0	3.5	3.5						
Ángulo de pluma principal 65.0 [°]										
45.5	55.0	78.4		3.0						
46.0	54.0	78.1	3.6	2.8						
48.0	49.6	76.5	2.7	2.0						
49.0	47.7	75.6	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 80.5 m Plumín 37.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
13.0	78.0	92.3	15.1	18.6						
14.0	76.4	92.1	15.1	18.6						
16.0	73.2	91.5	15.0	15.3						
18.0	69.9	90.8	12.0	12.4						
20.0	66.6	90.0	9.8	10.3						
22.0	63.1	89.0	8.0	8.6						
24.0	59.6	87.9	6.8	7.4						
26.0	55.9	86.6	5.8	6.3						
28.0	52.0	85.1	5.0	5.4						
30.0	47.9	83.4	4.4	4.7						
32.0	43.5	81.4	3.8	4.1						
34.0	38.6	79.1	3.2	3.5						
36.0	33.2	76.3	2.8	3.0						
Ángulo de pluma principal 83.0 [°]										
20.8	73.0	91.0	13.5	13.3						
22.0	71.0	90.6	13.4	13.1						
24.0	67.7	89.8	11.2	10.8						
26.0	64.3	88.9	9.2	9.0						
28.0	60.8	87.8	7.7	7.8						
30.0	57.1	86.6	6.6	6.7						
32.0	53.3	85.2	5.7	5.8						
34.0	49.3	83.5	5.0	5.1						
36.0	45.0	81.6	4.3	4.4						
38.0	40.3	79.4	3.8	3.9						
40.0	35.1	76.8	3.3	3.4						
42.0	29.1	73.6	2.8	3.0						
44.0	21.6	69.3	2.3	2.5						
Ángulo de pluma principal 75.0 [°]										
32.9	65.0	87.5	8.7	8.7						
34.0	63.1	87.0	8.6	8.6						
36.0	59.5	85.9	7.4	7.4						
38.0	55.8	84.6	6.4	6.5						
40.0	52.0	83.1	5.5	5.6						
42.0	47.9	81.4	4.9	5.0						
44.0	43.4	79.4	4.3	4.4						
46.0	38.6	77.0	3.7	3.8						
48.0	33.2	74.2	3.3	3.4						
50.0	26.8	70.7	3.0	3.1						
Ángulo de pluma principal 65.0 [°]										
47.2	55.0	80.9	5.8	5.8						
48.0	53.4	80.3	5.7	5.8						
50.0	49.4	78.7	5.2	5.2						
55.0	38.0	73.4	3.8	3.8						
60.0	21.9	64.6	2.9	2.5						
61.0	17.0	61.8	2.7	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 83.5 m Plumín 37.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
13.1	78.0	92.3	15.1	27.1						
14.0	76.5	92.1	15.1	27.1						
16.0	73.3	91.6	15.1	23.3						
18.0	70.0	90.9	15.1	19.5						
20.0	66.7	90.0	14.2	16.2						
22.0	63.2	89.1	11.0	12.4						
24.0	59.7	87.9	8.7	9.5						
26.0	56.0	86.6	5.8	6.2						
28.0	52.1	85.1	3.5	3.6						
Ángulo de pluma principal 83.0 [°]										
20.8	73.0	91.0		19.7						
22.0	71.1	90.7	15.1	19.6						
24.0	67.8	89.9	15.1	16.8						
26.0	64.4	89.0	13.6	14.2						
28.0	60.8	87.9	11.6	12.1						
30.0	57.2	86.6	9.7	10.1						
32.0	53.4	85.2	7.9	8.4						
34.0	49.4	83.6	6.6	7.0						
36.0	45.1	81.7	4.4	4.6						
Ángulo de pluma principal 75.0 [°]										
33.0	65.0	87.5		11.4						
34.0	63.2	87.1	12.8	10.6						
36.0	59.6	85.9	11.4	9.2						
38.0	55.9	84.6	9.6	8.0						
40.0	52.1	83.1	8.1	7.0						
42.0	48.0	81.4	7.0	6.0						
44.0	43.6	79.4	5.9	5.1						
46.0	38.7	77.1	5.0	4.2						
48.0	33.3	74.3	4.2	3.5						
50.0	27.0	70.8	2.9	2.8						
Ángulo de pluma principal 65.0 [°]										
47.2	55.0	80.8		2.1						
48.0	53.8	80.4	2.4							

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 83.5 m Plumín 40.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
13.6	78.0	95.3		15.4						
14.0	77.5	95.2	15.1	15.4						
16.0	74.5	94.7	13.6	13.9						
18.0	71.5	94.0	11.2	11.7						
20.0	68.4	93.3	9.0	9.7						
22.0	65.3	92.4	7.4	8.0						
24.0	62.1	91.4	6.2	6.7						
26.0	58.7	90.2	5.3	5.7						
28.0	55.3	88.9	4.5	4.9						
30.0	51.7	87.3	3.9	4.2						
32.0	47.9	85.6	3.3	3.6						
34.0	43.8	83.6	2.8	3.0						
36.0	39.4	81.4	2.3	2.5						
Ángulo de pluma principal 83.0 [°]										
21.7	73.0	93.9	10.5	11.3						
22.0	72.5	93.8	10.5	11.2						
24.0	69.4	93.1	9.6	10.0						
26.0	66.3	92.2	8.3	8.4						
28.0	63.2	91.3	6.9	7.0						
30.0	59.9	90.2	6.0	6.1						
32.0	56.5	88.9	5.1	5.2						
34.0	52.9	87.4	4.4	4.5						
36.0	49.2	85.8	3.8	3.9						
38.0	45.2	83.9	3.3	3.4						
40.0	40.9	81.7	2.8	2.9						
42.0	36.3	79.2	2.4	2.5						
Ángulo de pluma principal 75.0 [°]										
34.2	65.0	90.3		7.1						
36.0	62.1	89.4	6.8	6.9						
38.0	58.7	88.2	5.8	5.9						
40.0	55.3	86.9	5.0	5.1						
42.0	51.7	85.3	4.3	4.4						
44.0	47.9	83.6	3.8	3.8						
46.0	43.8	81.6	3.2	3.3						
48.0	39.4	79.4	2.8	2.8						
50.0	34.6	76.7	2.4	2.5						
Ángulo de pluma principal 65.0 [°]										
48.9	55.0	83.3		4.6						
50.0	53.0	82.6	4.5	4.6						
55.0	43.3	78.0	3.3	3.3						
60.0	31.2	71.3	2.3	2.4						
62.0	25.6	67.5	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 86.5 m Plumín 40.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
13.7	78.0	95.3	15.1	25.1						
14.0	77.5	95.2	15.1	25.1						
16.0	74.6	94.7	15.1	22.4						
18.0	71.6	94.1	15.1	18.5						
20.0	68.5	93.3	15.1	15.7						
22.0	65.4	92.4	11.6	11.9						
24.0	62.2	91.4	8.3	8.8						
26.0	58.8	90.2	5.9	6.3						
28.0	55.4	88.9	3.7	3.9						
Ángulo de pluma principal 83.0 [°]										
21.7	73.0	93.9		17.9						
22.0	72.6	93.8	15.1	17.9						
24.0	69.5	93.1	15.1	16.5						
26.0	66.4	92.3	14.8	14.1						
28.0	63.2	91.3	12.3	11.9						
30.0	60.0	90.2	10.6	10.3						
32.0	56.6	88.9	8.5	8.5						
34.0	53.0	87.5	6.8	7.0						
36.0	49.3	85.8	5.4	5.7						
38.0	45.3	83.9	3.7	3.8						
Ángulo de pluma principal 75.0 [°]										
34.2	65.0	90.3		10.3						
36.0	62.2	89.4	11.9	9.1						
38.0	58.8	88.2	10.4	8.0						
40.0	55.4	86.9	8.9	6.9						
42.0	51.8	85.4	7.7	6.0						
44.0	48.0	83.7	6.7	5.1						
46.0	43.9	81.7	5.8	4.3						
48.0	39.5	79.4	4.9	3.6						
50.0	34.7	76.7	4.0	2.9						
53.0	26.6	71.5	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 86.5 m Plumín 43.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
14.3	78.0	98.2	15.1	14.2						
16.0	75.6	97.8	14.7	13.5						
18.0	72.8	97.2	11.6	10.9						
20.0	70.0	96.5	9.1	8.8						
22.0	67.1	95.7	7.4	7.4						
24.0	64.2	94.7	6.1	6.1						
26.0	61.2	93.7	5.1	5.1						
28.0	58.0	92.5	4.3	4.4						
30.0	54.8	91.1	3.6	3.7						
32.0	51.5	89.6	3.1	3.2						
34.0	47.9	87.9	2.6	2.7						
36.0	44.2	85.9	2.2	2.3						
Ángulo de pluma principal 83.0 [°]										
22.5	73.0	96.8		9.5						
24.0	70.9	96.3	8.7	9.3						
26.0	68.1	95.5	7.1	7.7						
28.0	65.2	94.6	6.0	6.5						
30.0	62.2	93.6	5.1	5.5						
32.0	59.1	92.4	4.4	4.7						
34.0	55.9	91.1	3.7	4.0						
36.0	52.6	89.7	3.2	3.4						
38.0	49.1	88.0	2.7	2.9						
40.0	45.4	86.1	2.3	2.5						
Ángulo de pluma principal 75.0 [°]										
35.4	65.0	93.0		5.9						
36.0	64.2	92.7	5.7	5.9						
38.0	61.2	91.7	5.2	5.3						
40.0	58.0	90.5	4.4	4.5						
42.0	54.8	89.1	3.8	3.9						
44.0	51.4	87.6	3.2	3.3						
46.0	47.9	85.9	2.8	2.9						
48.0	44.1	83.9	2.4	2.5						
Ángulo de pluma principal 65.0 [°]										
50.6	55.0	85.8		3.6						
55.0	47.4	82.3	2.8	2.8						
59.0	39.6	78.0	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 89.5 m Plumín 43.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
14.3	78.0	98.2		25.9						
16.0	75.7	97.8	15.1	25.3						
18.0	72.9	97.2	15.1	21.2						
20.0	70.1	96.5	15.1	17.5						
22.0	67.2	95.7	13.9	14.2						
24.0	64.3	94.8	9.7	10.0						
26.0	61.2	93.7	6.6	6.8						
28.0	58.1	92.5	4.4	4.5						
Ángulo de pluma principal 83.0 [°]										
22.6	73.0	96.8		18.8						
24.0	71.0	96.3	15.1	18.6						
26.0	68.2	95.5	15.1	16.3						
28.0	65.3	94.7	13.8	14.0						
30.0	62.3	93.6	11.6	12.0						
32.0	59.2	92.5	9.8	10.2						
34.0	56.0	91.2	7.4	7.7						
36.0	52.7	89.7	5.4	5.6						
38.0	49.2	88.1	3.9	4.1						
40.0	45.5	86.2	2.8	2.9						
Ángulo de pluma principal 75.0 [°]										
35.5	65.0	93.0		9.2						
36.0	64.3	92.8	11.4	8.9						
38.0	61.2	91.7	10.0	7.7						
40.0	58.1	90.5	8.8	6.7						
42.0	54.9	89.2	7.7	5.8						
44.0	51.5	87.6	6.7	5.0						
46.0	48.0	85.9	5.6	4.2						
48.0	44.2	83.9	4.7	3.5						
50.0	40.2	81.7	3.8	2.8						
54.0	31.4	76.0	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 89.5 m Plumín 46.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
14.9	78.0	101.1	12.7	13.1						
16.0	76.6	100.9	12.7	13.1						
18.0	74.0	100.3	10.1	10.7						
20.0	71.4	99.7	8.2	8.8						
22.0	68.7	98.9	6.8	7.3						
24.0	66.0	98.1	5.6	6.1						
26.0	63.2	97.1	4.7	5.1						
28.0	60.4	96.0	4.0	4.3						
30.0	57.4	94.8	3.4	3.7						
32.0	54.4	93.4	2.9	3.1						
34.0	51.2	91.8	2.4	2.6						
Ángulo de pluma principal 83.0 [°]										
23.4	73.0	99.6		8.6						
24.0	72.2	99.5	8.4	8.5						
26.0	69.6	98.7	7.5	7.6						
28.0	66.9	97.9	6.3	6.5						
30.0	64.1	97.0	5.3	5.4						
32.0	61.3	95.9	4.5	4.7						
34.0	58.4	94.7	3.9	4.0						
36.0	55.4	93.4	3.2	3.4						
38.0	52.3	91.9	2.7	2.9						
40.0	49.0	90.2	2.3	2.5						
Ángulo de pluma principal 75.0 [°]										
36.7	65.0	95.7		5.2						
38.0	63.2	95.1	5.0	5.2						
40.0	60.4	94.0	4.4	4.5						
42.0	57.4	92.8	3.8	3.9						
44.0	54.4	91.4	3.2	3.3						
46.0	51.2	89.8	2.7	2.8						
48.0	47.9	88.1	2.3	2.4						
Ángulo de pluma principal 65.0 [°]										
52.3	55.0	88.2		3.0						
55.0	50.8	86.3	2.7	2.8						
59.0	44.0	82.4		2.0						

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]: 94.0
 Lastre central [t]: 52.6

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 92.5 m Plumín 46.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
14.9	78.0	101.2		22.4						
16.0	76.6	100.9	15.1	22.4						
18.0	74.1	100.4	15.1	19.6						
20.0	71.4	99.7	14.6	16.6						
22.0	68.8	99.0	13.6	14.2						
24.0	66.1	98.1	10.8	11.0						
26.0	63.3	97.1	7.6	7.9						
28.0	60.4	96.0	5.2	5.6						
30.0	57.5	94.8	3.6	3.8						
Ángulo de pluma principal 83.0 [°]										
23.5	73.0	99.6	15.1	16.2						
24.0	72.3	99.5	15.1	16.1						
26.0	69.7	98.8	14.9	15.3						
28.0	67.0	98.0	12.8	13.2						
30.0	64.2	97.0	10.9	11.4						
32.0	61.4	96.0	9.3	9.9						
34.0	58.5	94.8	7.8	8.3						
36.0	55.5	93.4	6.1	6.5						
38.0	52.4	92.0	4.7	5.0						
40.0	49.1	90.3	3.6	3.8						
42.0	45.7	88.4	2.6	2.8						
Ángulo de pluma principal 75.0 [°]										
36.8	65.0	95.7		8.4						
38.0	63.3	95.1	9.8	7.7						
40.0	60.4	94.0	8.6	6.6						
42.0	57.5	92.8	7.5	5.7						
44.0	54.5	91.4	6.5	5.0						
46.0	51.3	89.9	5.6	4.3						
48.0	48.0	88.1	4.7	3.5						
50.0	44.5	86.2	3.8	2.8						
54.0	37.1	81.4	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 92.5 m Plumín 49.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
15.5	78.0	104.1	10.8	11.4						
16.0	77.4	104.0	10.8	11.4						
18.0	75.0	103.5	9.7	10.3						
20.0	72.5	102.8	8.0	8.6						
22.0	70.1	102.1	6.5	7.1						
24.0	67.6	101.3	5.5	6.0						
26.0	65.0	100.4	4.6	5.0						
28.0	62.4	99.4	3.9	4.2						
30.0	59.7	98.3	3.3	3.6						
32.0	56.9	97.0	2.8	3.0						
34.0	54.0	95.6	2.3	2.5						
Ángulo de pluma principal 83.0 [°]										
24.3	73.0	102.5		7.6						
26.0	70.9	101.9	7.2	7.4						
28.0	68.4	101.2	6.0	6.2						
30.0	65.8	100.3	5.2	5.3						
32.0	63.2	99.3	4.4	4.5						
34.0	60.6	98.2	3.8	3.9						
36.0	57.8	97.0	3.2	3.3						
38.0	55.0	95.7	2.7	2.8						
40.0	52.1	94.2	2.2	2.3						
Ángulo de pluma principal 75.0 [°]										
38.0	65.0	98.4		4.6						
40.0	62.4	97.4	4.2	4.4						
42.0	59.7	96.3	3.6	3.7						
44.0	56.9	95.0	3.1	3.2						
46.0	54.0	93.6	2.6	2.7						
48.0	51.0	92.1	2.2	2.2						
Ángulo de pluma principal 65.0 [°]										
54.1	55.0	90.7		2.5						
55.0	53.6	90.1	2.4	2.5						
58.0	49.1	87.5		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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 95.5 m Plumín 49.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
15.6	78.0	104.1	15.1	21.1						
16.0	77.5	104.0	15.1	21.1						
18.0	75.1	103.5	15.1	19.5						
20.0	72.6	102.9	15.0	16.6						
22.0	70.1	102.2	12.7	13.5						
24.0	67.6	101.4	10.7	11.2						
26.0	65.1	100.5	7.7	8.1						
28.0	62.4	99.5	5.3	5.8						
30.0	59.7	98.3	3.7	4.1						
32.0	57.0	97.1	2.6	2.8						
Ángulo de pluma principal 83.0 [°]										
24.4	73.0	102.5	15.1	15.1						
26.0	71.0	102.0	15.0	14.9						
28.0	68.5	101.2	13.5	13.0						
30.0	65.9	100.3	11.6	11.3						
32.0	63.3	99.4	9.8	9.8						
34.0	60.6	98.3	8.4	8.6						
36.0	57.9	97.1	6.7	6.8						
38.0	55.1	95.7	5.1	5.1						
40.0	52.1	94.2	3.7	3.8						
42.0	49.1	92.5	2.8	2.8						
Ángulo de pluma principal 75.0 [°]										
38.0	65.0	98.4		7.3						
40.0	62.4	97.5	8.1	6.3						
42.0	59.7	96.3	7.0	5.4						
44.0	57.0	95.1	6.0	4.7						
46.0	54.1	93.7	5.2	4.0						
48.0	51.1	92.1	4.4	3.3						
50.0	48.0	90.4	3.5	2.7						
54.0	41.6	86.3	2.0							

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]: 94.0
 Lastre central [t]: 52.6

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 95.5 m Plumín 52.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
16.1	78.0	107.0		9.2						
18.0	75.9	106.6	7.7	8.8						
20.0	73.6	106.0	6.9	7.8						
22.0	71.3	105.3	5.9	6.4						
24.0	68.9	104.6	5.1	5.3						
26.0	66.5	103.7	4.3	4.4						
28.0	64.1	102.8	3.5	3.6						
30.0	61.6	101.8	3.0	3.1						
32.0	59.0	100.6	2.5	2.5						
Ángulo de pluma principal 83.0 [°]										
25.2	73.0	105.4	5.9	6.3						
26.0	72.0	105.1	5.9	6.3						
28.0	69.7	104.4	5.4	5.6						
30.0	67.3	103.6	4.6	4.7						
32.0	64.9	102.7	3.8	3.9						
34.0	62.4	101.7	3.2	3.3						
36.0	59.9	100.5	2.7	2.8						
38.0	57.3	99.3	2.2	2.3						
Ángulo de pluma principal 75.0 [°]										
39.2	65.0	101.1		3.5						
40.0	64.1	100.8	3.2	3.5						
42.0	61.6	99.8	3.0	3.2						
44.0	59.0	98.6	2.5	2.6						
46.0	56.4	97.3	2.1	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]: 94.0
 Lastre central [t]: 52.6

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 98.5 m Plumín 52.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
16.2	78.0	107.0	15.1	19.1						
18.0	75.9	106.6	15.1	18.7						
20.0	73.7	106.0	15.1	16.0						
22.0	71.3	105.4	12.8	13.1						
24.0	69.0	104.6	10.0	10.7						
26.0	66.6	103.8	7.7	8.2						
28.0	64.2	102.8	5.5	5.9						
30.0	61.7	101.8	3.9	4.1						
32.0	59.1	100.6	2.8	3.0						
Ángulo de pluma principal 83.0 [°]										
25.2	73.0	105.4		13.7						
26.0	72.1	105.1	14.1	13.6						
28.0	69.8	104.4	13.1	12.6						
30.0	67.4	103.6	11.0	10.9						
32.0	65.0	102.7	9.4	9.5						
34.0	62.5	101.7	8.1	8.2						
36.0	60.0	100.6	7.0	7.2						
38.0	57.4	99.3	5.4	5.5						
40.0	54.7	98.0	4.0	4.1						
42.0	51.9	96.4	2.8	2.9						
Ángulo de pluma principal 75.0 [°]										
39.3	65.0	101.1		6.4						
40.0	64.1	100.8	7.7	6.1						
42.0	61.7	99.8	6.6	5.2						
44.0	59.1	98.6	5.7	4.4						
46.0	56.5	97.3	4.8	3.7						
48.0	53.8	95.9	4.0	3.1						
50.0	51.0	94.3	3.3	2.6						
53.0	46.7	91.7	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 101.5 m Plumín 55.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
16.8	78.0	110.0		16.9						
18.0	76.7	109.7	15.1	16.9						
20.0	74.6	109.1	14.8	15.0						
22.0	72.4	108.5	13.4	12.8						
24.0	70.2	107.8	9.9	10.0						
26.0	67.9	107.0	7.5	7.9						
28.0	65.7	106.2	5.4	5.8						
30.0	63.3	105.2	3.8	4.0						
32.0	61.0	104.1	2.5	2.7						
Ángulo de pluma principal 83.0 [°]										
26.1	73.0	108.2		12.0						
28.0	70.9	107.6	12.0	11.8						
30.0	68.7	106.9	10.2	10.2						
32.0	66.4	106.0	8.7	8.9						
34.0	64.1	105.1	7.4	7.6						
36.0	61.8	104.0	6.4	6.6						
38.0	59.4	102.9	5.5	5.6						
40.0	56.9	101.6	4.1	4.2						
42.0	54.3	100.2	2.8	3.0						
Ángulo de pluma principal 75.0 [°]										
40.6	65.0	103.9		5.5						
42.0	63.3	103.2	6.1	4.9						
44.0	61.0	102.1	5.2	4.1						
46.0	58.5	100.9	4.3	3.4						
48.0	56.0	99.6	3.6	2.8						
50.0	53.5	98.2	2.9	2.2						
52.0	51.0	96.6	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]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
53.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (2316-1) 104.5 m Plumín 46.0 [m] Posición midfall (2316)										
Ángulo de pluma principal 88.0 [°]										
14.9	78.0	101.2		21.4						
16.0	76.6	100.9	15.1	21.4						
18.0	74.1	100.4	15.1	18.5						
20.0	71.4	99.7	12.7	13.6						
22.0	68.8	99.0	8.2	8.8						
24.0	66.1	98.1	4.9	5.2						
Ángulo de pluma principal 83.0 [°]										
23.5	73.0	99.6	15.1	15.2						
24.0	72.3	99.5	15.1	15.1						
26.0	69.7	98.8	14.5	14.0						
28.0	67.0	98.0	12.2	11.7						
30.0	64.2	97.0	9.2	9.0						
32.0	61.4	96.0	6.2	6.4						
34.0	58.5	94.8	4.3	4.5						
Ángulo de pluma principal 75.0 [°]										
36.8	65.0	95.7		5.1						
38.0	63.3	95.1	6.1	4.5						
40.0	60.4	94.0	4.9	3.5						
42.0	57.5	92.8	3.8	2.7						
44.0	54.7	91.4	2.8							
45.0	53.1	90.7	2.4							

Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/
 Radio de descarga: 360 °
 Valor de vuelco: 2 - Vía ancha
 Lastre trasero [t]: 94.0
 Lastre central [t]: 52.6

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

Inserción			1	2	3	4	5	6	7	8
Alcan- ce [m]	Ángu- o de plumín [°]	Altura de rolda- nas [m]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]	Carga [t]
56.0 m Pluma principal, Punto de carga 3 - Midfall Cabeza de plumín (1916-1) 32.5 m Plumín 13.0 [m] Posición midfall (1916)										
Ángulo de pluma principal 88.0 [°]										
8.1	78.0	71.9		30.1						
9.0	74.0	71.6	15.1	28.3						
10.0	69.3	71.2	15.1	20.4						
11.0	64.4	70.8	15.1	15.7						
12.0	59.3	70.2	14.0	12.8						
13.0	53.8	69.5	11.7	10.7						
14.0	47.9	68.6	10.1	9.2						
16.0	33.5	66.2	7.3	7.0						
Ángulo de pluma principal 83.0 [°]										
14.1	73.0	71.0		24.5						
16.0	64.0	70.3	15.1	15.3						
18.0	53.4	68.9	11.6	10.5						
20.0	40.7	67.0	8.3	7.8						
Ángulo de pluma principal 75.0 [°]										
23.5	65.0	68.7		15.3						
24.0	62.7	68.5	15.1	14.5						
26.0	51.9	67.1	11.1	10.0						
28.0	38.9	65.0	7.9	7.5						
Ángulo de pluma principal 65.0 [°]										
34.7	55.0	63.9		10.6						
36.0	47.3	62.9	9.5	8.9						
38.0	32.6	60.4	7.0	6.8						
Ángulo de pluma principal 45.0 [°]										
53.7	35.0	49.0		4.9						
55.0	21.2	46.7	5.2	4.4						