

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 38.5 m Plumín 19.0 [ m ] Posición midfall (1916)															
13.3	78.0	102.6	28.7												
14.0	77.0	102.4	28.7												
16.0	73.9	101.9	27.2												
18.0	70.7	101.2	25.5												
20.0	67.5	100.4	24.0												
22.0	64.3	99.5	22.6	73.0	101.2	24.8									
24.0	60.9	98.4	21.4	69.9	100.5	24.1									
26.0	57.4	97.2	20.0	66.6	99.7	23.0									
28.0	53.7	95.8	18.9	63.3	98.7	22.1									
30.0	49.9	94.1	18.0	59.9	97.6	21.4									
32.0	45.8	92.3	16.9	56.4	96.3	20.4									
34.0	41.5	90.1	15.8	52.7	94.8	19.7									
35.5															
36.0	36.7	87.6	15.0	48.8	93.1	18.9	65.0	97.4	21.2						
38.0	31.2	84.5	14.3	44.7	91.2	18.0	64.3	97.2	21.9						
							60.9	96.1	21.3						
40.0	24.7	80.6	13.6	40.2	89.0	17.2	57.4	94.9	20.5						
42.0	15.7	74.9	12.9	35.2	86.3	16.5	53.8	93.5	19.5						
44.0				29.5	83.0	15.8	49.9	91.9	18.8						
46.0				22.6	78.8	15.0	45.9	90.0	17.9						
47.0				18.1	76.0	14.5									
48.0							41.5	87.8	17.2						
50.0							36.7	85.3	16.6						
51.4										55.0	90.1	13.6			
55.0							20.7	75.9	15.2	48.4	87.3	13.5			
56.0							15.8	72.7	14.8						
60.0										37.2	81.7	12.4			
65.0										21.7	72.5	11.1			
66.0										17.0	69.6	10.9			
78.3													35.0	67.7	3.5
80.0													31.8	65.9	3.3
84.0													16.9	56.8	2.8

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Pieza de articulación de pluma principal: 2821-1  
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Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 41.5 m Plumín 22.0 [ m ] Posición midfall (1916)															
14.0	78.0	105.5	25.6												
16.0	75.1	105.0	24.5												
18.0	72.2	104.4	23.1												
20.0	69.3	103.7	21.8												
22.0	66.3	102.8	20.5												
22.9				73.0	104.1	21.9									
24.0	63.2	101.8	19.4	71.4	103.7	21.7									
26.0	60.0	100.7	18.4	68.4	102.9	20.8									
28.0	56.8	99.4	17.4	65.4	102.0	19.9									
30.0	53.4	98.0	16.6	62.3	101.0	19.2									
32.0	49.8	96.4	16.0	59.1	99.9	18.5									
34.0	46.0	94.5	15.1	55.8	98.6	17.7									
36.0	42.0	92.4	14.3	52.4	97.1	17.0									
36.8							65.0	100.1	19.5						
38.0	37.6	89.9	13.6	48.8	95.4	16.4	63.2	99.5	19.5						
40.0	32.7	87.0	13.0	44.9	93.5	15.6	60.0	98.4	18.7						
42.0	27.0	83.4	12.4	40.8	91.2	14.9	56.8	97.2	18.1						
44.0	19.9	78.6	11.8	36.3	88.7	14.3	53.4	95.7	17.3						
45.0	15.1	75.3	11.5												
46.0				31.2	85.6	13.7	49.8	94.1	16.8						
48.0				25.3	81.7	13.1	46.0	92.2	16.0						
50.0				17.4	76.4	12.4	42.0	90.1	15.3						
53.2										55.0	92.5	12.9			
55.0							30.0	83.0	13.9	52.0	91.2	13.1			
59.0							15.1	73.1	12.7						
60.0										42.5	86.5	12.0			
65.0										30.6	79.5	10.9			
69.0										16.3	70.0	10.0			
80.7													35.0	69.5	2.9
85.0													24.5	62.8	2.4
87.0													16.2	57.2	2.2

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Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 44.5 m Plumín 25.0 [ m ] Posición midfall (1916)															
14.6	78.0	108.5	23.2												
16.0	76.1	108.1	22.8												
18.0	73.4	107.5	21.5												
20.0	70.7	106.9	20.2												
22.0	68.0	106.1	19.2												
23.8				73.0	106.9	19.9									
24.0	65.1	105.2	18.1	72.7	106.9	19.9									
26.0	62.2	104.2	17.2	70.0	106.2	19.3									
28.0	59.3	103.0	16.4	67.2	105.3	18.7									
30.0	56.2	101.7	15.7	64.3	104.4	17.9									
32.0	53.0	100.3	15.0	61.4	103.4	17.3									
34.0	49.7	98.6	14.5	58.4	102.2	16.5									
36.0	46.2	96.8	13.8	55.3	100.8	15.8									
38.0	42.4	94.7	13.1	52.1	99.3	15.2									
38.1							65.0	102.8	17.8						
40.0	38.4	92.3	12.5	48.7	97.6	14.6	62.3	101.9	17.5						
42.0	34.0	89.4	12.0	45.2	95.7	14.0	59.3	100.7	16.9						
44.0	28.9	86.1	11.5	41.4	93.5	13.4	56.2	99.4	16.3						
46.0	22.9	81.8	11.0	37.2	91.0	12.8	53.0	98.0	15.7						
48.0	16.2	76.9	7.7	32.6	88.1	12.3	49.7	96.3	15.2						
50.0				27.4	84.5	11.8	46.2	94.5	14.6						
53.0				16.8	76.8	10.9				55.0	95.0	12.2			
54.9										55.0	95.0	12.5			
55.0							36.3	88.6	13.2	46.6	90.8	11.7			
60.0							22.9	79.6	11.8						
62.0							16.3	74.7	9.7						
65.0										36.7	85.0	10.7			
70.0										23.6	76.2	9.7			
72.0										15.7	70.4	9.2			
83.2													35.0	71.2	2.4
85.0													32.1	69.3	2.2
87.0													26.7	65.6	2.0

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Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 47.5 m Plumín 28.0 [ m ] Posición midfall (1916)															
15.2	78.0	111.4	21.1												
16.0	77.0	111.2	21.1												
18.0	74.5	110.7	20.1												
20.0	72.0	110.0	19.1												
22.0	69.4	109.3	18.3												
24.0	66.8	108.5	17.5												
24.6				73.0	109.8	18.3									
26.0	64.1	107.5	16.8	71.3	109.3	18.2									
28.0	61.4	106.5	16.3	68.7	108.6	17.7									
30.0	58.6	105.3	15.5	66.1	107.7	17.3									
32.0	55.7	104.0	14.8	63.4	106.8	16.8									
34.0	52.7	102.5	14.2	60.6	105.7	16.4									
36.0	49.6	100.9	13.7	57.8	104.4	15.8									
38.0	46.3	99.0	13.0	54.9	103.1	15.3									
39.3							65.0	105.6	16.1						
40.0	42.8	96.9	12.3	51.9	101.6	15.0	64.2	105.2	16.7						
42.0	39.1	94.6	11.8	48.7	99.9	14.4	61.4	104.2	16.5						
44.0	35.0	91.9	11.2	45.4	97.9	13.8	58.6	103.0	16.2						
46.0	30.5	88.7	10.8	41.8	95.8	13.3	55.7	101.7	15.7						
48.0	25.2	84.8	10.3	38.0	93.3	12.8	52.7	100.2	15.3						
50.0	18.5	79.6	9.8	33.8	90.5	12.3	49.6	98.6	14.9						
51.0	15.7	77.3	7.1												
55.0				20.2	80.4	10.9	41.0	93.5	13.5						
56.0				16.2	77.3	10.5									
56.6										55.0	97.4	11.6			
60.0							30.5	86.4	12.3	49.9	94.9	11.5			
65.0							15.7	75.1	9.8	41.4	89.9	10.5			
70.0										30.4	82.4	9.4			
75.0										16.7	72.0	8.3			

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Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 50.5 m Plumín 19.0 [ m ] Posición midfall (1916)															
15.8	78.0	114.3	19.4												
16.0	77.8	114.3	19.4												
18.0	75.5	113.8	18.8												
20.0	73.1	113.2	18.1												
22.0	70.7	112.5	17.3												
24.0	68.3	111.7	16.7												
25.5				73.0	112.7	17.0									
26.0	65.8	110.9	16.3	72.4	112.5	17.0									
28.0	63.3	109.9	15.9	70.0	111.8	16.8									
30.0	60.7	108.8	15.5	67.6	111.0	16.5									
32.0	58.0	107.6	14.7	65.1	110.1	16.2									
34.0	55.3	106.2	14.1	62.6	109.1	15.9									
36.0	52.5	104.7	13.5	59.9	108.0	15.7									
38.0	49.5	103.1	13.0	57.3	106.7	15.3									
40.0	46.4	101.2	12.3	54.5	105.3	15.0									
40.6							65.0	108.3	15.9						
42.0	43.2	99.2	11.7	51.6	103.8	14.7	63.3	107.6	15.9						
44.0	39.7	96.9	11.1	48.7	102.1	14.3	60.7	106.5	15.7						
46.0	35.9	94.2	10.6	45.5	100.2	13.7	58.0	105.3	15.5						
48.0	31.8	91.2	10.1	42.2	98.1	13.2	55.3	103.9	15.2						
50.0	27.1	87.5	9.7	38.7	95.7	12.7	52.5	102.5	14.8						
54.0	15.2	77.7	5.8												
55.0				28.2	87.9	11.4	44.8	98.0	13.8						
58.3										55.0	99.9	11.0			
59.0				15.7	77.7	10.2									
60.0							36.0	91.9	12.6	52.8	98.7	11.3			
65.0							24.4	83.1	11.6	45.2	94.3	10.4			
68.0							15.2	75.5	9.8						
70.0										36.4	88.4	9.4			
75.0										24.3	79.1	8.3			
78.0										16.2	72.4	7.7			

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Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 53.5 m Plumín 22.0 [ m ] Posición midfall (1916)															
16.5	78.0	117.3	17.1												
18.0	76.3	116.9	16.9												
20.0	74.1	116.3	16.1												
22.0	71.8	115.7	15.4												
24.0	69.5	115.0	14.8												
26.0	67.2	114.1	14.4												
26.4				73.0	115.5	15.0									
28.0	64.8	113.2	14.1	71.2	115.0	14.9									
30.0	62.4	112.2	13.8	68.9	114.2	14.6									
32.0	59.9	111.1	13.4	66.5	113.4	14.3									
34.0	57.4	109.8	12.9	64.2	112.4	14.1									
36.0	54.7	108.4	12.4	61.7	111.4	13.9									
38.0	52.0	106.9	12.0	59.2	110.2	13.6									
40.0	49.2	105.2	11.6	56.7	108.9	13.3									
41.9							65.0	111.0	13.9						
42.0	46.3	103.3	11.0	54.0	107.5	13.1	64.8	110.9	13.9						
44.0	43.2	101.2	10.5	51.3	105.9	12.9	62.4	109.9	13.8						
46.0	39.9	98.9	9.9	48.4	104.2	12.5	59.9	108.8	13.7						
48.0	36.3	96.3	9.5	45.4	102.3	12.1	57.4	107.5	13.5						
50.0	32.4	93.3	9.1	42.3	100.1	11.8	54.8	106.1	13.3						
55.0	19.9	82.7	8.2	33.3	93.5	10.9	47.8	102.0	12.8						
56.0	16.3	79.5	8.0												
60.0				21.3	83.4	9.6	39.9	96.6	11.9	55.0	102.4	10.4			
62.0				16.6	79.3	6.9									
65.0							30.3	89.3	11.1	48.1	98.3	9.8			
70.0							16.3	77.2	10.0	40.2	93.0	9.0			
75.0										30.8	85.8	8.0			
80.0										19.4	76.1	7.1			
81.0										15.7	72.8	6.9			

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Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 56.5 m Plumín 25.0 [ m ] Posición midfall (1916)															
17.1	78.0	120.2	15.5												
18.0	77.1	120.0	15.5												
20.0	75.0	119.5	14.9												
22.0	72.8	118.9	14.3												
24.0	70.7	118.2	13.7												
26.0	68.5	117.4	13.3												
27.3				73.0	118.4	13.8									
28.0	66.3	116.5	13.0	72.2	118.2	13.8									
30.0	64.0	115.6	12.8	70.1	117.5	13.6									
32.0	61.7	114.5	12.6	67.9	116.7	13.3									
34.0	59.3	113.4	12.2	65.6	115.8	13.1									
36.0	56.9	112.1	11.8	63.4	114.8	12.8									
38.0	54.4	110.7	11.5	61.0	113.7	12.7									
40.0	51.8	109.1	11.2	58.7	112.5	12.4									
42.0	49.2	107.4	10.8	56.2	111.2	12.2									
43.1							65.0	113.7	12.7						
44.0	46.4	105.6	10.3	53.7	109.7	12.0	64.0	113.3	12.7						
46.0	43.4	103.5	9.8	51.1	108.2	11.8	61.7	112.2	12.6						
48.0	40.3	101.2	9.3	48.4	106.4	11.6	59.3	111.1	12.5						
50.0	37.0	98.6	8.9	45.6	104.5	11.2	56.9	109.8	12.3						
55.0	27.3	90.4	8.0	37.8	98.7	10.6	50.5	106.0	12.0						
59.0	15.8	79.9	7.4												
60.0				28.3	90.8	9.6	43.5	101.2	11.4						
61.8															
65.0				16.1	79.7	6.3	35.3	94.9	10.9	55.0	104.8	9.8			
70.0							24.9	86.0	9.9	50.8	102.3	9.5			
73.0							15.9	77.6	9.3	43.8	97.6	8.8			
75.0															
80.0										35.7	91.4	7.8			
84.0										26.9	83.9	6.9			
										15.2	73.2	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 59.5 m Plumín 28.0 [ m ] Posición midfall (1916)															
17.8	78.0	123.1	14.0												
18.0	77.8	123.1	14.0												
20.0	75.8	122.6	13.7												
22.0	73.7	122.0	13.2												
24.0	71.7	121.4	12.6												
26.0	69.6	120.6	12.2												
28.0	67.5	119.8	11.9												
28.2				73.0	121.3	12.5									
30.0	65.4	118.9	11.7	71.1	120.7	12.4									
32.0	63.3	117.9	11.5	69.1	119.9	12.2									
34.0	61.0	116.8	11.3	67.0	119.1	12.0									
36.0	58.8	115.6	11.0	64.8	118.1	11.7									
38.0	56.5	114.3	10.7	62.6	117.1	11.5									
40.0	54.1	112.9	10.5	60.4	116.0	11.3									
42.0	51.6	111.4	10.3	58.2	114.8	11.1									
44.0	49.1	109.7	10.0	55.8	113.5	10.9									
44.4							65.0	116.4	11.5						
46.0	46.5	107.8	9.5	53.4	112.0	10.8	63.3	115.6	11.5						
48.0	43.7	105.7	9.0	51.0	110.4	10.6	61.1	114.5	11.3						
50.0	40.8	103.5	8.6	48.4	108.7	10.4	58.8	113.3	11.2						
55.0	32.5	96.6	7.8	41.4	103.5	9.9	52.9	109.9	10.8						
60.0	21.7	86.5	7.0	33.3	96.8	9.4	46.5	105.5	10.5						
62.0	15.4	80.3	6.7												
63.5										55.0	107.3	9.3			
65.0				22.8	87.1	8.4	39.3	100.0	10.2	53.2	106.1	9.3			
68.0				15.7	80.1	5.5									
70.0							30.7	92.6	9.6	46.8	101.8	8.5			
75.0							18.8	81.4	8.7	39.6	96.4	7.5			
76.0							15.4	78.0	8.5						
80.0										32.2	90.1	6.6			
85.0										21.2	79.9	5.8			
86.0										18.3	77.0	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 62.5 m Plumín 31.0 [ m ] Posición midfall (1916)															
18.4	78.0	126.1	12.9												
20.0	76.5	125.7	12.7												
22.0	74.5	125.1	12.1												
24.0	72.6	124.5	11.7												
26.0	70.7	123.8	11.3												
28.0	68.7	123.1	11.0												
29.1				73.0	124.1	11.4									
30.0	66.7	122.2	10.8	72.1	123.8	11.4									
32.0	64.6	121.3	10.6	70.1	123.1	11.2									
34.0	62.6	120.3	10.4	68.1	122.3	11.0									
36.0	60.5	119.1	10.2	66.1	121.5	10.8									
38.0	58.3	117.9	10.0	64.1	120.5	10.6									
40.0	56.1	116.6	9.8	62.0	119.5	10.4									
42.0	53.8	115.2	9.6	59.9	118.3	10.2									
44.0	51.5	113.6	9.5	57.7	117.1	10.0									
45.7							65.0	119.2	10.4						
46.0	49.1	111.9	9.2	55.5	115.7	9.9	64.7	119.0	10.4						
48.0	46.5	110.0	8.8	53.2	114.2	9.7	62.6	118.0	10.4						
50.0	43.9	108.0	8.4	50.8	112.6	9.6	60.5	116.9	10.2						
55.0	36.7	102.0	7.5	44.5	108.0	9.3	55.0	113.6	9.9						
60.0	27.9	93.8	6.8	37.4	102.1	8.9	49.1	109.6	9.7						
65.0	17.1	82.9	4.3	28.8	94.2	8.2	42.6	104.6	9.5						
65.2										55.0	109.7	8.8			
70.0				16.6	81.8	7.3	35.1	98.3	9.3	49.3	105.9	8.3			
71.0				15.3	80.5	4.9									
75.0							25.9	89.5	8.5	42.9	101.0	7.4			
79.0							15.0	78.4	7.9						
80.0										36.4	95.5	6.5			
85.0										27.6	87.3	5.7			
89.0										17.9	77.5	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 65.5 m Plumín 34.0 [ m ] Posición midfall (1916)															
19.0	78.0	129.0	11.7												
20.0	77.1	128.8	11.7												
22.0	75.3	128.3	11.2												
24.0	73.4	127.7	10.8												
26.0	71.6	127.0	10.5												
28.0	69.7	126.3	10.2												
29.0				73.0	127.0	10.5									
30.0	67.8	125.5	10.0	72.9	127.0	10.5									
32.0	65.9	124.6	9.7	71.1	126.3	10.4									
34.0	63.9	123.6	9.6	69.2	125.6	10.2									
36.0	62.0	122.6	9.4	67.3	124.7	10.0									
38.0	59.9	121.4	9.2	65.4	123.8	9.8									
40.0	57.9	120.2	9.0	63.4	122.9	9.6									
42.0	55.7	118.9	8.8	61.4	121.8	9.4									
44.0	53.6	117.4	8.7	59.4	120.6	9.3									
46.0	51.3	115.8	8.5	57.3	119.3	9.1									
46.9							65.0	121.9	9.5						
48.0	49.0	114.1	8.3	55.1	118.0	8.9	64.0	121.3	9.5						
50.0	46.6	112.3	8.0	53.0	116.5	8.8	62.0	120.3	9.4						
55.0	40.2	106.9	7.2	47.2	112.2	8.4	56.8	117.3	9.1						
60.0	32.6	99.9	6.6	40.8	106.9	8.0	51.3	113.5	8.8						
65.0	23.0	90.2	5.9	33.4	100.1	7.6	45.4	109.0	8.5						
66.9										55.0	112.2	8.1			
68.0	16.7	83.4	4.1												
70.0				24.0	90.7	7.0									
73.0				16.2	82.2	6.6	38.8	103.3	8.3	51.6	109.8	8.0			
75.0															
80.0							31.0	96.0	7.9	45.7	105.3	7.1			
82.0							20.6	85.3	7.4	39.8	100.4	6.2			
85.0							16.8	81.1	6.1						
90.0										32.3	93.4	5.4			
92.0										22.7	83.6	4.7			
										17.4	78.0	4.4			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de roldan- as [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de roldan- as [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de roldan- as [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de roldan- as [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de roldan- as [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 68.5 m Plumín 37.0 [ m ] Posición midfall (1916)															
19.6	78.0	131.9	10.7												
20.0	77.7	131.8	10.7												
22.0	75.9	131.4	10.5												
24.0	74.2	130.8	10.1												
26.0	72.4	130.2	9.8												
28.0	70.7	129.5	9.5												
30.0	68.9	128.7	9.3												
30.8				73.0	129.9	9.6									
32.0	67.0	127.9	9.1	71.9	129.5	9.6									
34.0	65.2	127.0	8.9	70.2	128.8	9.5									
36.0	63.3	126.0	8.7	68.3	128.0	9.3									
38.0	61.4	124.9	8.6	66.5	127.1	9.1									
40.0	59.4	123.7	8.4	64.7	126.2	8.9									
42.0	57.5	122.5	8.2	62.8	125.2	8.8									
44.0	55.4	121.1	8.0	60.9	124.1	8.6									
46.0	53.3	119.7	7.8	58.9	122.9	8.4									
48.0	51.2	118.1	7.7	56.9	121.6	8.3									
48.2							65.0	124.6	8.7						
50.0	49.0	116.4	7.5	54.9	120.2	8.1	63.3	123.7	8.7						
55.0	43.1	111.4	6.9	49.5	116.3	7.8	58.5	120.8	8.4						
60.0	36.4	105.3	6.3	43.6	111.4	7.3	53.3	117.4	8.1						
65.0	28.5	97.2	5.8	37.1	105.4	7.0	47.9	113.2	7.8						
68.6										55.0	114.7	7.5			
70.0	17.5	85.1	5.2	29.3	97.5	6.6	41.8	108.0	7.5	53.6	113.6	7.5			
71.0	16.4	83.8	3.8												
75.0				18.7	86.0	6.2	35.0	101.6	7.2	48.1	109.5	6.9			
76.0				15.8	82.6	6.1									
80.0							26.6	93.0	6.9	42.8	105.0	6.1			
85.0							16.4	81.5	5.8	36.1	98.8	5.2			
90.0										28.1	90.7	4.5			
95.0										17.0	78.4	3.8			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 71.5 m Plumín 40.0 [ m ] Posición midfall (1916)															
20.2	78.0	134.9	9.7												
22.0	76.5	134.5	9.6												
24.0	74.9	133.9	9.2												
26.0	73.2	133.3	8.9												
28.0	71.5	132.7	8.7												
30.0	69.8	131.9	8.5												
31.7				73.0	132.7	8.7									
32.0	68.1	131.2	8.3	72.7	132.6	8.7									
34.0	66.3	130.3	8.1	71.0	132.0	8.6									
36.0	64.5	129.3	8.0	69.3	131.2	8.5									
38.0	62.7	128.3	7.8	67.6	130.4	8.3									
40.0	60.9	127.2	7.7	65.8	129.5	8.1									
42.0	59.0	126.0	7.5	64.0	128.6	8.0									
44.0	57.1	124.8	7.4	62.2	127.5	7.9									
46.0	55.1	123.4	7.2	60.4	126.4	7.7									
48.0	53.1	121.9	7.1	58.5	125.2	7.6									
49.5							65.0	127.3	7.8						
50.0	51.1	120.3	7.0	56.5	123.9	7.5	64.5	127.1	7.8						
55.0	45.6	115.8	6.5	51.5	120.2	7.2	59.9	124.4	7.6						
60.0	39.6	110.2	6.0	46.1	115.7	6.9	55.1	121.1	7.4						
65.0	32.7	103.2	5.5	40.2	110.3	6.6	50.0	117.2	7.2						
70.0	24.1	93.7	5.0	33.4	103.4	6.3	44.5	112.5	6.9						
70.4										55.0	117.1	6.9			
74.0	16.0	84.2	3.6												
75.0				25.0	94.2	5.9	38.3	106.7	6.7	50.3	113.5	6.6			
79.0				15.4	83.0	5.5									
80.0							31.2	99.3	6.5	45.3	109.3	5.8			
85.0							22.0	89.0	6.3	39.3	103.7	5.0			
88.0							16.0	81.9	5.2						
90.0										32.4	96.7	4.2			
95.0										23.8	87.2	3.6			
98.0										16.7	78.8	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 74.5 m Plumín 31.0 [ m ] Posición midfall (1916)															
20.9	78.0	137.8	8.9												
22.0	77.1	137.5	8.9												
24.0	75.5	137.0	8.5												
26.0	73.9	136.5	8.2												
28.0	72.3	135.8	8.0												
30.0	70.6	135.1	7.8												
32.0	69.0	134.4	7.7												
32.6				73.0	135.6	8.0									
34.0	67.3	133.6	7.5	71.8	135.1	8.0									
36.0	65.6	132.7	7.4	70.2	134.4	7.8									
38.0	63.9	131.7	7.2	68.5	133.7	7.6									
40.0	62.2	130.7	7.1	66.8	132.8	7.5									
42.0	60.4	129.5	7.0	65.1	131.9	7.4									
44.0	58.6	128.3	6.8	63.4	130.9	7.2									
46.0	56.7	127.0	6.7	61.7	129.9	7.1									
48.0	54.9	125.6	6.6	59.9	128.7	7.0									
50.0	52.9	124.2	6.5	58.1	127.5	6.9									
50.7							65.0	130.0	7.1						
55.0	47.9	119.9	6.2	53.4	124.0	6.6	61.3	127.8	7.0						
60.0	42.4	114.8	5.7	48.3	119.8	6.4	56.8	124.7	6.8						
65.0	36.2	108.6	5.3	42.9	114.8	6.2	52.0	121.1	6.6						
70.0	28.9	100.6	4.8	36.8	108.7	6.0	46.8	116.7	6.4						
72.1										55.0	119.6	6.3			
75.0	19.3	89.1	4.3	29.6	100.9	5.7	41.2	111.4	6.3	52.2	117.4	6.2			
77.0	15.7	84.6	3.5												
80.0				20.3	89.9	5.3	34.9	104.9	6.2	47.1	113.0	5.7			
82.0				15.1	83.4	5.1									
85.0							27.3	96.4	5.9	42.1	108.4	4.9			
90.0							16.7	83.7	5.7	35.9	102.1	4.2			
91.0							15.7	82.4	4.7						
95.0										28.6	94.1	3.5			
100.0										18.9	82.5	2.9			
101.0										16.3	79.2	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 77.5 m Plumín 34.0 [ m ] Posición midfall (1916)															
21.5	78.0	140.7	8.0												
22.0	77.6	140.6	8.0												
24.0	76.1	140.1	7.8												
26.0	74.5	139.6	7.5												
28.0	73.0	139.0	7.3												
30.0	71.4	138.3	7.1												
32.0	69.8	137.6	7.0												
33.4				73.0	138.5	7.2									
34.0	68.2	136.8	6.8	72.6	138.3	7.2									
36.0	66.6	136.0	6.7	71.0	137.6	7.1									
38.0	65.0	135.0	6.5	69.4	136.9	6.9									
40.0	63.3	134.1	6.4	67.8	136.1	6.8									
42.0	61.7	133.0	6.3	66.2	135.2	6.7									
44.0	59.9	131.8	6.2	64.5	134.3	6.5									
46.0	58.2	130.6	6.0	62.9	133.3	6.4									
48.0	56.4	129.3	5.9	61.2	132.2	6.3									
50.0	54.6	127.9	5.8	59.5	131.0	6.2									
52.0							65.0	132.7	6.4						
55.0	49.9	123.9	5.6	55.0	127.7	5.9	62.5	131.2	6.3						
60.0	44.8	119.2	5.2	50.3	123.8	5.7	58.2	128.3	6.1						
65.0	39.2	113.6	4.9	45.3	119.2	5.5	53.7	124.9	5.8						
70.0	32.8	106.5	4.6	39.7	113.6	5.3	48.9	120.8	5.7						
73.8										55.0	122.0	5.5			
75.0	25.0	97.3	4.1	33.4	106.7	5.2	43.7	115.9	5.5	53.9	121.1	5.5			
80.0	15.3	85.0	3.2	25.8	97.7	4.9	38.0	110.0	5.4	49.1	117.1	5.4			
85.0				16.6	86.1	3.7	31.4	102.6	5.3	44.5	112.8	4.6			
90.0							23.1	92.7	5.2	38.9	107.1	3.9			
94.0							15.4	82.8	4.4						
95.0										32.5	100.0	3.3			
100.0										24.7	90.7	2.7			
104.0										16.0	79.7	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 80.5 m Plumín 37.0 [ m ] Posición midfall (1916)															
22.1	78.0	143.7	7.3												
24.0	76.6	143.2	7.2												
26.0	75.1	142.7	6.9												
28.0	73.6	142.1	6.7												
30.0	72.1	141.5	6.5												
32.0	70.6	140.8	6.4												
34.0	69.1	140.0	6.3												
34.3				73.0	141.4	6.5									
36.0	67.6	139.2	6.1	71.7	140.8	6.5									
38.0	66.0	138.4	5.9	70.2	140.1	6.4									
40.0	64.4	137.4	5.8	68.7	139.3	6.2									
42.0	62.8	136.4	5.7	67.1	138.5	6.1									
44.0	61.2	135.3	5.6	65.6	137.6	5.9									
46.0	59.5	134.1	5.5	64.0	136.6	5.8									
48.0	57.8	132.9	5.4	62.4	135.6	5.7									
50.0	56.1	131.6	5.3	60.7	134.5	5.6									
53.3							65.0	135.5	5.7						
55.0	51.7	127.9	5.0	56.5	131.4	5.3	63.6	134.6	5.7						
60.0	46.9	123.5	4.8	52.1	127.7	5.1	59.5	131.8	5.5						
65.0	41.8	118.2	4.5	47.4	123.4	4.9	55.3	128.6	5.3						
70.0	36.0	111.9	4.3	42.2	118.2	4.7	50.8	124.7	5.1						
75.0	29.3	104.0	4.0	36.6	112.0	4.6	45.9	120.2	4.9						
75.5										55.0	124.5	4.9			
80.0	20.7	93.0	3.5	30.0	104.3	4.5	40.7	114.8	4.8	51.0	121.0	4.9			
83.0	15.0	85.4	2.9												
85.0				21.6	93.7	4.3	34.8	108.2	4.7	46.2	116.5	4.4			
88.0				16.3	86.5	3.3									
90.0							27.8	99.8	4.7	41.5	111.8	3.7			
95.0							18.5	87.8	4.7	35.7	105.4	3.1			
97.0							15.1	83.1	4.1						
100.0										29.0	97.4	2.5			
104.0										22.4	89.0	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 83.5 m Plumín 40.0 [ m ] Posición midfall (1916)															
22.7	78.0	146.6	6.5												
24.0	77.1	146.3	6.5												
26.0	75.7	145.8	6.3												
28.0	74.3	145.3	6.1												
30.0	72.8	144.6	6.0												
32.0	71.4	144.0	5.8												
34.0	69.9	143.3	5.7												
35.2				73.0	144.2	5.9									
36.0	68.4	142.5	5.6	72.4	144.0	5.9									
38.0	66.9	141.6	5.4	71.0	143.3	5.8									
40.0	65.4	140.7	5.3	69.5	142.5	5.6									
42.0	63.9	139.8	5.2	68.0	141.7	5.5									
44.0	62.3	138.7	5.1	66.5	140.9	5.4									
46.0	60.7	137.6	5.0	65.0	140.0	5.3									
48.0	59.1	136.4	4.9	63.4	139.0	5.2									
50.0	57.5	135.2	4.8	61.9	137.9	5.1									
54.5							65.0	138.2	5.1						
55.0	53.3	131.7	4.6	57.9	135.0	4.8	64.6	138.0	5.1						
60.0	48.8	127.5	4.4	53.7	131.5	4.6	60.8	135.3	4.9						
65.0	44.0	122.7	4.1	49.3	127.4	4.4	56.7	132.2	4.7						
70.0	38.8	116.9	3.9	44.5	122.7	4.3	52.4	128.6	4.6						
75.0	32.8	109.9	3.7	39.3	117.0	4.1	47.9	124.3	4.4						
77.2										55.0	126.9	4.3			
80.0	25.7	100.7	3.3	33.4	110.0	4.0	43.0	119.3	4.3	52.6	124.9	4.3			
85.0	15.8	87.2	2.9	26.4	101.2	3.8	37.7	113.3	4.2	48.1	120.7	4.1			
90.0				16.9	88.3	3.6	31.5	106.0	4.1	43.8	116.2	3.5			
91.0				16.0	86.9	3.0									
95.0							24.0	96.3	4.0	38.5	110.4	2.8			
99.0							15.8	84.9	4.0						
100.0										32.6	103.4	2.3			
102.0										29.9	100.0	2.0			



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 86.5 m Plumín 43.0 [ m ] Posición midfall (1916)															
23.4	78.0	149.5	5.9												
24.0	77.6	149.4	5.9												
26.0	76.2	148.9	5.8												
28.0	74.8	148.4	5.6												
30.0	73.4	147.8	5.5												
32.0	72.0	147.2	5.3												
34.0	70.6	146.5	5.2												
36.0	69.2	145.7	5.1												
36.1				73.0	147.1	5.3									
38.0	67.8	144.9	5.0	71.6	146.5	5.3									
40.0	66.3	144.0	4.9	70.2	145.8	5.2									
42.0	64.9	143.1	4.7	68.8	145.0	5.1									
44.0	63.4	142.1	4.6	67.4	144.2	5.0									
46.0	61.9	141.1	4.6	65.9	143.3	4.8									
48.0	60.3	139.9	4.5	64.4	142.3	4.7									
50.0	58.8	138.7	4.4	63.0	141.3	4.6									
55.0	54.8	135.4	4.2	59.1	138.5	4.4									
55.8							65.0	140.9	4.6						
60.0	50.6	131.5	4.0	55.1	135.2	4.2	61.9	138.8	4.5						
65.0	46.1	127.0	3.8	51.0	131.4	4.1	58.0	135.8	4.3						
70.0	41.2	121.6	3.6	46.5	126.9	3.9	54.0	132.4	4.1						
75.0	35.8	115.2	3.4	41.7	121.6	3.7	49.7	128.4	4.0						
79.0										55.0	129.4	3.9			
80.0	29.6	107.3	3.1	36.4	115.4	3.5	45.2	123.7	3.8	54.1	128.6	3.9			
85.0	21.8	96.7	2.8	30.2	107.6	3.4	40.2	118.2	3.7	49.9	124.7	3.8			
88.0	15.5	87.6	2.6												
90.0				22.6	97.3	3.2	34.7	111.5	3.6	45.8	120.5	3.3			
94.0				15.7	87.4	2.7									
95.0							28.2	103.2	3.5	41.0	115.2	2.7			
100.0							20.0	91.8	3.4	35.6	108.8	2.1			
101.0										34.4	107.3	2.0			
102.0							15.5	85.3	3.4						

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 89.5 m Plumín 46.0 [ m ] Posición midfall (1916)															
24.0	78.0	152.5	5.2												
26.0	76.7	152.0	5.2												
28.0	75.3	151.5	5.0												
30.0	74.0	150.9	4.9												
32.0	72.7	150.3	4.7												
34.0	71.3	149.6	4.6												
36.0	69.9	148.9	4.5												
36.9				73.0	150.0	4.6									
38.0	68.6	148.1	4.4	72.3	149.6	4.6									
40.0	67.2	147.3	4.3	70.9	148.9	4.6									
42.0	65.8	146.4	4.1	69.6	148.2	4.4									
44.0	64.3	145.5	4.0	68.2	147.4	4.3									
46.0	62.9	144.5	4.0	66.8	146.6	4.2									
48.0	61.4	143.4	3.9	65.4	145.7	4.1									
50.0	59.9	142.2	3.8	63.9	144.7	4.0									
55.0	56.1	139.1	3.6	60.3	142.0	3.8									
57.1							65.0	143.6	3.9						
60.0	52.2	135.4	3.4	56.5	138.9	3.6	62.9	142.2	3.9						
65.0	47.9	131.1	3.2	52.5	135.2	3.4	59.2	139.3	3.7						
70.0	43.4	126.1	3.0	48.3	131.0	3.3	55.4	136.1	3.5						
75.0	38.5	120.3	2.9	43.8	126.1	3.1	51.3	132.3	3.4						
80.0	32.9	113.2	2.7	38.9	120.3	3.0	47.1	127.9	3.3						
80.7										55.0	131.9	3.3			
85.0	26.3	104.2	2.5	33.4	113.4	2.9	42.5	122.8	3.1	51.5	128.6	3.2			
90.0	17.5	91.5	2.2	26.9	104.6	2.7	37.4	116.7	3.0	47.3	124.2	3.0			
95.0				18.5	92.4	2.6	31.7	109.3	2.9	43.2	119.7	2.4			
97.0				15.4	87.8	2.2									
98.0															
100.0							24.8	99.8	2.8	40.3	116.3	2.1			
105.0							15.2	85.7	2.7						

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 92.5 m Plumín 49.0 [ m ] Posición midfall (1916)															
24.6	78.0	155.4	4.7												
26.0	77.1	155.1	4.7												
28.0	75.8	154.6	4.5												
30.0	74.5	154.0	4.4												
32.0	73.2	153.5	4.2												
34.0	71.9	152.8	4.1												
36.0	70.6	152.1	4.0												
37.8				73.0	152.8	4.1									
38.0	69.3	151.4	3.9	72.9	152.8	4.1									
40.0	68.0	150.6	3.8	71.6	152.1	4.1									
42.0	66.6	149.7	3.6	70.3	151.4	4.0									
44.0	65.2	148.8	3.5	68.9	150.6	3.8									
46.0	63.8	147.8	3.5	67.6	149.8	3.8									
48.0	62.4	146.8	3.4	66.2	149.0	3.6									
50.0	61.0	145.7	3.3	64.8	148.0	3.5									
55.0	57.4	142.7	3.1	61.3	145.4	3.3									
58.3							65.0	146.3	3.4						
60.0	53.6	139.2	2.9	57.7	142.4	3.1	63.9	145.5	3.4						
65.0	49.6	135.1	2.8	53.9	139.0	2.9	60.3	142.8	3.2						
70.0	45.4	130.5	2.6	50.0	135.0	2.8	56.7	139.7	3.1						
75.0	40.8	125.0	2.5	45.7	130.4	2.7	52.8	136.1	2.9						
80.0	35.7	118.6	2.3	41.2	125.0	2.5	48.8	132.0	2.8						
82.4										55.0	134.3	2.7			
85.0				36.2	118.7	2.4	44.5	127.2	2.7	53.0	132.4	2.7			
90.0				30.5	110.9	2.3	39.8	121.5	2.6	49.0	128.3	2.6			
95.0							34.6	114.8	2.5	45.1	124.0	2.3			
97.0										43.3	121.9	2.0			
100.0							28.6	106.6	2.4						

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de roldan- as [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de roldan- as [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de roldan- as [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de roldan- as [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de roldan- as [ m ]	Carga [ t ]
62.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 95.5 m Plumín 52.0 [ m ] Posición midfall (1916)															
25.2	78.0	158.3	4.3												
26.0	77.5	158.2	4.3												
28.0	76.3	157.7	4.2												
30.0	75.0	157.2	4.1												
32.0	73.8	156.6	4.0												
34.0	72.5	156.0	3.8												
36.0	71.3	155.3	3.7												
38.0	70.0	154.6	3.6												
38.7				73.0	155.7	3.8									
40.0	68.7	153.8	3.5	72.2	155.3	3.8									
42.0	67.4	153.0	3.4	70.9	154.6	3.7									
44.0	66.1	152.1	3.3	69.6	153.9	3.6									
46.0	64.7	151.2	3.2	68.3	153.1	3.5									
48.0	63.4	150.2	3.1	67.0	152.2	3.4									
50.0	62.0	149.1	3.1	65.7	151.3	3.3									
55.0	58.5	146.2	2.8	62.3	148.9	3.1									
59.6							65.0	149.1	3.1						
60.0	54.9	142.9	2.6	58.9	146.0	2.9	64.7	148.9	3.1						
65.0	51.1	139.1	2.4	55.3	142.7	2.7	61.3	146.3	3.0						
70.0				51.5	138.9	2.5	57.8	143.3	2.8						
75.0				47.5	134.6	2.3	54.2	139.9	2.6						
80.0							50.4	135.9	2.5						
84.1										55.0	136.8	2.4			
85.0										54.3	136.1	2.4			
90.0										50.5	132.2	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 38.5 m Plumín 16.0 [ m ] Posición midfall (2316)															
13.4	78.0	105.6	38.6												
14.0	77.1	105.4	38.6												
16.0	74.1	104.9	35.2												
18.0	70.9	104.2	31.0												
20.0	67.7	103.5	27.7												
22.0	64.4	102.5	24.4												
22.4				73.0	104.2	31.4									
24.0	61.1	101.5	22.0	70.5	103.6	30.5									
26.0	57.6	100.2	20.1	67.2	102.8	28.5									
28.0	53.9	98.8	18.6	64.0	101.9	26.7									
30.0	50.1	97.2	17.4	60.6	100.8	25.3									
32.0	46.1	95.4	16.3	57.1	99.5	23.2									
34.0	41.7	93.2	15.2	53.4	98.1	21.5									
36.0	36.9	90.7	14.4	49.5	96.4	20.1									
36.3							65.0	100.3	20.9						
38.0	31.5	87.7	13.7	45.5	94.6	18.7	62.2	99.4	20.6						
40.0	25.1	83.9	13.0	41.0	92.4	17.5	58.8	98.3	19.5						
42.0	16.3	78.3	12.3	36.2	89.8	16.5	55.2	96.9	18.5						
44.0				30.7	86.7	15.6	51.4	95.4	17.6						
46.0				24.0	82.7	14.7	47.5	93.6	16.9						
48.0				16.5	77.9	9.2	43.2	91.6	16.1						
50.0							38.6	89.2	15.4						
52.7										55.0	92.8	11.8			
55.0							23.9	80.7	14.0	50.6	91.0	11.4			
57.0							16.4	76.0	12.5						
60.0										40.3	86.1	10.2			
65.0										27.5	78.9	9.1			
67.0										19.9	74.2	8.6			

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 41.5 m Plumín 19.0 [ m ] Posición midfall (2316)															
14.1	78.0	108.5	35.5												
16.0	75.2	108.0	33.7												
18.0	72.3	107.4	30.1												
20.0	69.4	106.7	26.9												
22.0	66.4	105.9	23.8												
23.3				73.0	107.0	29.0									
24.0	63.3	104.9	21.3	71.9	106.8	28.9									
26.0	60.2	103.8	19.5	69.0	106.1	27.4									
28.0	56.9	102.5	18.0	66.0	105.2	25.8									
30.0	53.5	101.1	16.8	62.9	104.2	24.3									
32.0	50.0	99.5	15.8	59.7	103.1	22.8									
34.0	46.2	97.6	14.8	56.4	101.8	21.0									
36.0	42.2	95.5	13.9	53.0	100.3	19.6									
37.6							65.0	103.0	19.6						
38.0	37.8	93.1	13.1	49.4	98.7	18.4	64.4	102.8	19.6						
40.0	33.0	90.2	12.5	45.7	96.8	17.2	61.3	101.8	18.9						
42.0	27.4	86.6	11.9	41.6	94.7	16.1	58.1	100.6	18.0						
44.0	20.3	81.9	11.3	37.2	92.1	15.2	54.7	99.2	17.1						
45.0	15.7	78.7	11.0												
46.0				32.2	89.2	14.4	51.2	97.6	16.3						
48.0				26.5	85.5	13.6	47.5	95.9	15.6						
50.0				19.1	80.6	12.8	43.6	93.9	14.9						
51.0				15.9	78.3	8.3									
54.4										55.0	95.3	11.0			
55.0							32.2	87.3	13.6	54.0	94.8	10.9			
60.0							15.7	76.4	11.4	45.7	90.9	9.7			
65.0										34.8	84.8	8.6			
70.0										19.1	74.7	7.5			

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 44.5 m Plumín 22.0 [ m ] Posición midfall (2316)															
14.7	78.0	111.5	33.3												
16.0	76.3	111.1	32.9												
18.0	73.6	110.6	29.8												
20.0	70.9	109.9	26.2												
22.0	68.1	109.1	23.6												
24.0	65.3	108.2	21.1												
24.1				73.0	109.9	27.2									
26.0	62.4	107.2	19.2	70.5	109.3	26.6									
28.0	59.4	106.1	17.7	67.7	108.5	25.2									
30.0	56.4	104.8	16.5	64.9	107.6	23.7									
32.0	53.2	103.3	15.4	62.0	106.5	22.5									
34.0	49.9	101.7	14.6	59.0	105.4	21.0									
36.0	46.4	99.9	13.7	55.9	104.1	19.4									
38.0	42.6	97.8	12.9	52.7	102.6	18.2									
38.8							65.0	105.7	18.2						
40.0	38.6	95.4	12.2	49.4	100.9	17.1	63.4	105.2	18.6						
42.0	34.2	92.6	11.6	45.8	99.0	16.0	60.4	104.1	17.6						
44.0	29.2	89.3	11.1	42.1	96.9	15.0	57.4	102.8	16.9						
46.0	23.2	85.1	10.5	38.0	94.5	14.2	54.3	101.4	16.0						
48.0	15.1	79.1	10.0	33.5	91.6	13.4	51.0	99.9	15.4						
50.0				28.4	88.2	12.8	47.6	98.1	14.7						
54.0				15.3	78.7	7.5									
55.0							38.0	92.6	13.3						
56.1															
60.0							25.4	84.2	12.2	55.0	97.7	10.3			
63.0							15.1	76.7	10.4	49.4	95.0	9.5			
65.0															
70.0										40.1	89.8	8.4			
73.0										28.4	82.3	7.3			
										18.4	75.1	6.7			

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 47.5 m Plumín 25.0 [ m ] Posición midfall (2316)															
15.3	78.0	114.4	31.0												
16.0	77.1	114.2	31.0												
18.0	74.6	113.7	28.6												
20.0	72.1	113.1	25.5												
22.0	69.6	112.4	22.9												
24.0	66.9	111.5	20.6												
25.0				73.0	112.8	25.6									
26.0	64.3	110.6	18.7	71.7	112.4	25.4									
28.0	61.6	109.5	17.3	69.2	111.7	24.2									
30.0	58.8	108.4	16.1	66.6	110.9	23.1									
32.0	55.9	107.0	15.0	63.9	109.9	21.7									
34.0	52.9	105.6	14.1	61.2	108.9	20.7									
36.0	49.8	103.9	13.3	58.3	107.7	19.2									
38.0	46.5	102.1	12.5	55.4	106.3	17.8									
40.0	43.0	100.0	11.8	52.4	104.8	16.7									
40.1							65.0	108.5	17.6						
42.0	39.3	97.7	11.2	49.3	103.2	15.8	62.5	107.5	17.2						
44.0	35.3	95.0	10.6	46.0	101.3	14.8	59.7	106.4	16.4						
46.0	30.7	91.8	10.1	42.5	99.2	13.9	56.9	105.1	15.7						
48.0	25.5	88.0	9.7	38.7	96.8	13.1	53.9	103.7	14.9						
50.0	18.9	82.9	9.2	34.6	94.0	12.4	50.8	102.1	14.3						
51.0	16.1	80.7	6.2												
55.0				21.5	84.4	10.9	42.4	97.3	12.9						
56.0				17.8	81.5	10.6									
57.9										55.0	100.2	9.4			
60.0							32.3	90.6	11.8	52.4	98.9	9.0			
65.0							17.7	79.5	10.8	44.3	94.3	8.0			
70.0										34.6	88.1	6.9			
75.0										21.5	78.5	5.9			
76.0										17.8	75.6	5.7			



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 50.5 m Plumín 28.0 [ m ] Posición midfall (2316)															
15.9	78.0	117.3	29.1												
16.0	77.9	117.3	29.1												
18.0	75.6	116.8	28.0												
20.0	73.2	116.2	25.2												
22.0	70.8	115.6	22.2												
24.0	68.4	114.8	20.2												
25.9				73.0	115.6	24.3									
26.0	65.9	113.9	18.4	72.9	115.6	24.3									
28.0	63.4	112.9	17.0	70.5	114.9	23.6									
30.0	60.8	111.9	15.8	68.0	114.1	22.4									
32.0	58.2	110.6	14.7	65.6	113.3	21.2									
34.0	55.4	109.3	13.8	63.0	112.3	20.1									
36.0	52.6	107.8	13.0	60.4	111.2	19.2									
38.0	49.7	106.2	12.3	57.8	109.9	17.8									
40.0	46.6	104.3	11.6	55.0	108.6	16.5									
41.4							65.0	111.2	16.7						
42.0	43.3	102.3	10.9	52.2	107.1	15.5	64.3	110.9	16.7						
44.0	39.9	100.0	10.3	49.2	105.4	14.7	61.7	109.8	16.2						
46.0	36.1	97.4	9.8	46.1	103.5	13.8	59.1	108.7	15.4						
48.0	32.0	94.3	9.4	42.8	101.4	13.0	56.4	107.4	14.7						
50.0	27.3	90.8	9.0	39.3	99.1	12.2	53.6	105.9	14.0						
54.0	15.6	81.1	5.3												
55.0				29.1	91.6	10.8	46.1	101.6	12.6						
59.0				17.2	81.9	9.7									
59.6										55.0	102.6	8.7			
60.0							37.4	95.9	11.4	55.0	102.6	8.6			
65.0							26.5	87.7	10.5	47.7	98.6	7.6			
68.0							17.1	80.0	10.0						
70.0										39.4	93.2	6.7			
75.0										29.1	85.7	5.6			
79.0										17.3	76.0	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 53.5 m Plumín 31.0 [ m ] Posición midfall (2316)															
16.6	78.0	120.3	26.8												
18.0	76.4	119.9	26.6												
20.0	74.2	119.4	24.1												
22.0	71.9	118.7	21.5												
24.0	69.7	118.0	19.3												
26.0	67.4	117.2	17.7												
26.8				73.0	118.5	22.6									
28.0	65.0	116.3	16.3	71.6	118.1	22.3									
30.0	62.6	115.3	15.2	69.3	117.4	21.4									
32.0	60.1	114.2	14.2	67.0	116.5	20.5									
34.0	57.6	112.9	13.3	64.7	115.6	19.3									
36.0	55.0	111.6	12.4	62.2	114.6	18.4									
38.0	52.4	110.1	11.7	59.8	113.5	17.4									
40.0	49.6	108.4	11.1	57.3	112.2	16.2									
42.0	46.7	106.6	10.5	54.7	110.8	15.1									
42.6							65.0	113.9	15.1						
44.0	43.6	104.6	9.9	52.0	109.3	14.2	63.4	113.2	15.6						
46.0	40.4	102.3	9.4	49.2	107.6	13.4	61.0	112.2	14.9						
48.0	36.9	99.7	8.9	46.2	105.8	12.6	58.5	111.0	14.2						
50.0	33.1	96.8	8.5	43.2	103.7	11.9	55.9	109.6	13.6						
55.0	21.1	86.8	7.6	34.5	97.4	10.4	49.1	105.7	12.2						
57.0	15.2	81.5	5.0												
60.0				23.2	88.1	9.1	41.5	100.7	11.0						
61.3															
62.0				16.7	82.4	8.6				55.0	105.1	7.8			
65.0							32.5	93.9	10.1	50.6	102.6	7.2			
70.0							20.1	83.5	9.2	43.2	97.8	6.2			
71.0							16.6	80.4	9.1						
75.0										34.5	91.4	5.2			
80.0										23.2	82.1	4.3			
82.0										16.7	76.5	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 56.5 m Plumín 22.0 [ m ] Posición midfall (2316)															
17.2	78.0	123.2	25.2												
18.0	77.1	123.0	25.2												
20.0	75.0	122.5	23.5												
22.0	72.9	121.9	21.3												
24.0	70.8	121.2	18.9												
26.0	68.6	120.5	17.3												
27.6				73.0	121.4	21.4									
28.0	66.4	119.6	16.0	72.6	121.3	21.3									
30.0	64.2	118.7	14.9	70.5	120.6	20.7									
32.0	61.9	117.6	14.0	68.3	119.8	19.8									
34.0	59.5	116.5	13.1	66.1	118.9	18.9									
36.0	57.2	115.2	12.2	63.8	118.0	17.9									
38.0	54.7	113.8	11.5	61.5	116.9	17.2									
40.0	52.1	112.3	10.8	59.2	115.8	16.1									
42.0	49.5	110.6	10.3	56.8	114.5	15.0									
43.9							65.0	116.6	14.3						
44.0	46.8	108.8	9.7	54.3	113.1	14.0	65.0	116.6	14.8						
46.0	43.9	106.8	9.2	51.8	111.5	13.2	62.7	115.6	14.6						
48.0	40.8	104.6	8.7	49.1	109.9	12.5	60.4	114.5	13.9						
50.0	37.6	102.1	8.3	46.3	108.0	11.8	58.0	113.2	13.4						
55.0	28.1	94.1	7.4	38.8	102.5	10.2	51.7	109.7	11.9						
59.0	17.3	84.3	6.7												
60.0				29.6	94.9	9.0	44.9	105.1	10.8						
63.0										55.0	107.5	7.3			
65.0				16.2	82.8	7.9	37.0	99.2	9.8	53.1	106.4	7.0			
70.0							27.4	91.1	9.1	46.4	102.1	6.1			
74.0							16.1	80.8	8.4						
75.0										38.8	96.5	5.2			
80.0										29.6	89.0	4.3			
85.0										16.3	76.9	3.5			

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 59.5 m Plumín 25.0 [ m ] Posición midfall (2316)															
17.8	78.0	126.1	23.5												
18.0	77.8	126.1	23.5												
20.0	75.8	125.6	22.8												
22.0	73.8	125.0	20.6												
24.0	71.8	124.4	18.5												
26.0	69.8	123.7	16.8												
28.0	67.7	122.9	15.6												
28.5				73.0	124.2	20.1									
30.0	65.6	122.0	14.4	71.5	123.8	19.8									
32.0	63.4	121.0	13.5	69.5	123.0	19.0									
34.0	61.2	119.9	12.8	67.4	122.2	18.3									
36.0	59.0	118.8	11.9	65.3	121.3	17.4									
38.0	56.7	117.5	11.2	63.1	120.3	16.5									
40.0	54.4	116.1	10.5	60.9	119.2	15.9									
42.0	51.9	114.6	9.9	58.7	118.1	14.8									
44.0	49.4	112.9	9.4	56.4	116.8	13.8									
45.2							65.0	119.3	14.0						
46.0	46.8	111.1	8.9	54.0	115.3	12.9	64.2	119.0	13.9						
48.0	44.1	109.1	8.4	51.6	113.8	12.2	62.0	117.9	13.6						
50.0	41.2	106.8	7.9	49.1	112.1	11.5	59.8	116.8	12.9						
55.0	33.2	100.1	7.0	42.3	107.1	9.9	54.0	113.4	11.6						
60.0	22.7	90.5	6.2	34.4	100.7	8.7	47.7	109.3	10.5						
62.0	16.8	84.7	5.9												
64.7										55.0	110.0	6.5			
65.0				24.4	91.6	7.7				54.7	109.8	6.5			
68.0				15.8	83.2	7.0									
70.0							32.6	97.2	8.7	49.1	106.2	5.7			
75.0							21.9	87.3	8.0	42.3	101.2	4.7			
77.0							15.7	81.2	7.7						
80.0										34.4	94.8	3.9			
85.0										24.5	85.7	3.1			
88.0										15.8	77.3	2.7			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 32.5 m Plumín 13.0 [ m ] Posición midfall (1916)															
12.2	78.0	99.7	34.1												
13.0	76.5	99.5	33.9												
14.0	74.7	99.2	32.9												
16.0	71.0	98.6	31.2												
18.0	67.2	97.8	29.3												
20.0	63.3	96.8	27.1												
20.6				73.0	98.4	29.6									
22.0	59.2	95.7	25.0	70.4	98.0	29.2									
24.0	55.0	94.3	22.7	66.6	97.1	28.2									
26.0	50.5	92.8	20.9	62.7	96.1	27.0									
28.0	45.7	90.9	19.5	58.6	95.0	25.7									
30.0	40.4	88.7	18.2	54.3	93.6	24.5									
32.0	34.5	86.0	17.1	49.8	92.0	23.4									
33.8							65.0	94.9	23.7						
34.0	27.4	82.5	16.2	44.9	90.1	21.8	64.6	94.8	23.7						
36.0	17.8	77.5	15.3	39.6	87.8	20.3	60.6	93.7	22.9						
38.0				33.5	85.0	19.2	56.4	92.4	21.8						
40.0				26.2	81.4	18.1	52.0	90.9	20.7						
42.0				16.0	75.9	16.9	47.3	89.2	19.8						
44.0							42.3	87.1	18.9						
46.0							36.6	84.6	18.2						
48.0							30.0	81.4	17.6						
49.3										55.0	87.9	14.3			
50.0							21.6	77.1	16.9	53.6	87.4	15.0			
51.0							15.8	73.9	16.6						
55.0										41.5	82.7	13.6			
60.0										24.9	74.7	12.3			
62.0										16.0	70.0	11.2			
75.5													35.0	66.4	3.6
80.0													19.2	58.4	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 35.5 m Plumín 16.0 [ m ] Posición midfall (1916)															
12.8	78.0	102.6	30.7												
13.0	77.7	102.6	30.7												
14.0	76.0	102.4	30.3												
16.0	72.7	101.8	28.6												
18.0	69.2	101.0	27.2												
20.0	65.7	100.2	25.3												
21.5				73.0	101.3	26.7									
22.0	62.1	99.1	23.8	72.2	101.1	26.7									
24.0	58.3	98.0	22.0	68.7	100.4	25.7									
26.0	54.4	96.6	20.4	65.2	99.5	24.7									
28.0	50.3	95.0	19.1	61.5	98.5	23.8									
30.0	45.9	93.1	17.8	57.8	97.2	22.7									
32.0	41.1	91.0	16.7	53.8	95.8	21.8									
34.0	35.8	88.4	15.8	49.7	94.2	20.9									
35.0							65.0	97.6	22.0						
36.0	29.7	85.2	15.0	45.2	92.3	19.7	63.3	97.1	22.3						
38.0	22.1	80.9	14.3	40.4	90.1	18.6	59.6	96.0	21.2						
39.0	17.0	77.9	13.9												
40.0				35.0	87.4	17.7	55.8	94.7	20.3						
42.0				28.7	84.1	16.8	51.7	93.2	19.3						
44.0				20.7	79.6	15.9	47.4	91.4	18.6						
45.0				15.2	76.3	15.4									
46.0							42.8	89.3	17.7						
48.0							37.7	86.9	17.0						
50.0							31.9	83.9	16.5						
51.0										55.0	90.3	13.5			
54.0							15.0	74.3	15.3						
55.0										46.8	87.1	13.2			
60.0										34.1	81.0	12.1			
65.0										15.3	70.4	10.4			
78.0													35.0	68.1	2.9
80.0													30.5	65.8	2.7
83.0													18.3	58.9	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 38.5 m Plumín 19.0 [ m ] Posición midfall (1916)															
13.4	78.0	105.6	28.0												
14.0	77.1	105.4	28.0												
16.0	74.1	104.9	26.7												
18.0	70.9	104.2	25.1												
20.0	67.7	103.5	23.7												
22.0	64.4	102.5	22.3												
22.4				73.0	104.2	24.3									
24.0	61.1	101.5	21.2	70.5	103.6	23.9									
26.0	57.6	100.2	19.8	67.2	102.8	22.9									
28.0	53.9	98.8	18.5	64.0	101.9	22.0									
30.0	50.1	97.2	17.6	60.6	100.8	21.3									
32.0	46.1	95.4	16.5	57.1	99.5	20.3									
34.0	41.7	93.2	15.5	53.4	98.1	19.6									
36.0	36.9	90.7	14.7	49.5	96.4	18.9									
36.3							65.0	100.3	21.2						
38.0	31.5	87.7	14.0	45.5	94.6	18.0	62.2	99.4	20.9						
40.0	25.1	83.9	13.3	41.0	92.4	17.2	58.8	98.3	19.9						
42.0	16.3	78.3	12.7	36.2	89.8	16.5	55.2	96.9	19.0						
44.0				30.7	86.7	15.7	51.4	95.4	18.2						
46.0				24.0	82.7	14.9	47.5	93.6	17.5						
48.0				16.5	77.9	10.5	43.2	91.6	16.8						
50.0							38.6	89.2	16.1						
52.7										55.0	92.8	12.8			
55.0							23.9	80.7	14.8	50.9	91.1	13.1			
57.0							16.4	76.0	13.0						
60.0										40.3	86.1	11.9			
65.0										26.4	78.2	10.7			
67.0										16.8	72.2	10.2			
80.4													35.0	69.9	2.5
85.0													22.1	62.2	2.0

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 41.5 m Plumín 22.0 [ m ] Posición midfall (1916)															
14.1	78.0	108.5	24.9												
16.0	75.2	108.0	24.1												
18.0	72.3	107.4	22.7												
20.0	69.4	106.7	21.5												
22.0	66.4	105.9	20.2												
23.3				73.0	107.0	21.4									
24.0	63.3	104.9	19.1	71.9	106.8	21.3									
26.0	60.2	103.8	18.2	69.0	106.1	20.6									
28.0	56.9	102.5	17.2	66.0	105.2	19.8									
30.0	53.5	101.1	16.4	62.9	104.2	19.1									
32.0	50.0	99.5	15.7	59.7	103.1	18.4									
34.0	46.2	97.6	14.8	56.4	101.8	17.6									
36.0	42.2	95.5	14.0	53.0	100.3	16.9									
37.6							65.0	103.0	19.1						
38.0	37.8	93.1	13.3	49.4	98.7	16.3	64.4	102.8	19.1						
40.0	33.0	90.2	12.7	45.7	96.8	15.6	61.3	101.8	18.6						
42.0	27.4	86.6	12.2	41.6	94.7	14.9	58.1	100.6	17.9						
44.0	20.3	81.9	11.6	37.2	92.1	14.3	54.7	99.2	17.1						
45.0	15.7	78.7	11.3												
46.0				32.2	89.2	13.7	51.2	97.6	16.5						
48.0				26.5	85.5	13.1	47.5	95.9	15.9						
50.0				19.1	80.6	12.5	43.6	93.9	15.2						
51.0				15.9	78.3	9.3									
54.4										55.0	95.3	12.1			
55.0							32.2	87.3	13.9	54.2	94.9	12.5			
60.0							15.7	76.4	11.1	45.0	90.5	11.5			
65.0										34.0	84.3	10.4			
70.0										16.1	72.6	9.3			



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 44.5 m Plumín 25.0 [ m ] Posición midfall (1916)															
14.7	78.0	111.5	22.7												
16.0	76.3	111.1	22.4												
18.0	73.6	110.6	21.3												
20.0	70.9	109.9	20.0												
22.0	68.1	109.1	19.0												
24.0	65.3	108.2	17.9												
24.1				73.0	109.9	19.5									
26.0	62.4	107.2	17.1	70.5	109.3	19.2									
28.0	59.4	106.1	16.3	67.7	108.5	18.6									
30.0	56.4	104.8	15.6	64.9	107.6	17.8									
32.0	53.2	103.3	15.0	62.0	106.5	17.2									
34.0	49.9	101.7	14.4	59.0	105.4	16.5									
36.0	46.4	99.9	13.7	55.9	104.1	15.8									
38.0	42.6	97.8	13.0	52.7	102.6	15.2									
38.8							65.0	105.7	16.8						
40.0	38.6	95.4	12.4	49.4	100.9	14.6	63.4	105.2	17.5						
42.0	34.2	92.6	11.9	45.8	99.0	14.0	60.4	104.1	16.9						
44.0	29.2	89.3	11.4	42.1	96.9	13.4	57.4	102.8	16.4						
46.0	23.2	85.1	10.9	38.0	94.5	12.9	54.3	101.4	15.8						
48.0	15.1	79.1	10.4	33.5	91.6	12.4	51.0	99.9	15.3						
50.0				28.4	88.2	11.8	47.6	98.1	14.7						
54.0				15.3	78.7	8.3									
55.0							38.0	92.6	13.3						
56.1															
60.0							25.4	84.2	12.0	55.0	97.7	11.5			
63.0										48.8	94.7	11.3			
65.0							15.1	76.7	9.6						
70.0										39.4	89.4	10.2			
73.0										26.7	81.1	9.2			
										15.6	73.0	8.5			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 47.5 m Plumín 28.0 [ m ] Posición midfall (1916)															
15.3	78.0	114.4	20.6												
16.0	77.1	114.2	20.6												
18.0	74.6	113.7	19.8												
20.0	72.1	113.1	18.8												
22.0	69.6	112.4	18.0												
24.0	66.9	111.5	17.3												
25.0				73.0	112.8	17.9									
26.0	64.3	110.6	16.6	71.7	112.4	17.9									
28.0	61.6	109.5	16.1	69.2	111.7	17.5									
30.0	58.8	108.4	15.3	66.6	110.9	17.1									
32.0	55.9	107.0	14.6	63.9	109.9	16.6									
34.0	52.9	105.6	14.0	61.2	108.9	16.3									
36.0	49.8	103.9	13.5	58.3	107.7	15.7									
38.0	46.5	102.1	12.8	55.4	106.3	15.2									
40.0	43.0	100.0	12.1	52.4	104.8	14.8									
40.1							65.0	108.5	16.5						
42.0	39.3	97.7	11.5	49.3	103.2	14.4	62.5	107.5	16.4						
44.0	35.3	95.0	11.0	46.0	101.3	13.7	59.7	106.4	16.0						
46.0	30.7	91.8	10.6	42.5	99.2	13.2	56.9	105.1	15.7						
48.0	25.5	88.0	10.2	38.7	96.8	12.7	53.9	103.7	15.1						
50.0	18.9	82.9	9.7	34.6	94.0	12.2	50.8	102.1	14.7						
51.0	16.1	80.7	6.8												
55.0				21.5	84.4	10.8	42.4	97.3	13.3						
56.0				17.8	81.5	10.6									
57.9										55.0	100.2	10.9			
60.0							32.3	90.6	12.2	51.9	98.6	10.9			
65.0							17.7	79.5	11.2	43.7	94.0	9.9			
70.0										33.4	87.3	8.9			
75.0										21.5	78.5	7.8			
76.0										17.8	75.6	7.6			

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 50.5 m Plumín 19.0 [ m ] Posición midfall (1916)															
15.9	78.0	117.3	19.0												
16.0	77.9	117.3	19.0												
18.0	75.6	116.8	18.5												
20.0	73.2	116.2	17.8												
22.0	70.8	115.6	17.0												
24.0	68.4	114.8	16.5												
25.9				73.0	115.6	16.7									
26.0	65.9	113.9	16.1	72.9	115.6	16.7									
28.0	63.4	112.9	15.7	70.5	114.9	16.6									
30.0	60.8	111.9	15.3	68.0	114.1	16.3									
32.0	58.2	110.6	14.5	65.6	113.3	16.0									
34.0	55.4	109.3	13.8	63.0	112.3	15.8									
36.0	52.6	107.8	13.2	60.4	111.2	15.5									
38.0	49.7	106.2	12.7	57.8	109.9	15.1									
40.0	46.6	104.3	12.0	55.0	108.6	14.8									
41.4							65.0	111.2	15.7						
42.0	43.3	102.3	11.4	52.2	107.1	14.6	64.3	110.9	15.6						
44.0	39.9	100.0	10.8	49.2	105.4	14.2	61.7	109.8	15.5						
46.0	36.1	97.4	10.4	46.1	103.5	13.6	59.1	108.7	15.4						
48.0	32.0	94.3	9.9	42.8	101.4	13.0	56.4	107.4	15.1						
50.0	27.3	90.8	9.5	39.3	99.1	12.5	53.6	105.9	14.6						
54.0	15.6	81.1	5.4												
55.0				29.1	91.6	11.3	46.1	101.6	13.4						
59.0				17.2	81.9	10.2									
59.6										55.0	102.6	10.4			
60.0							37.4	95.9	12.2	54.6	102.4	10.6			
65.0							26.5	87.7	11.4	47.2	98.3	9.8			
68.0							17.1	80.0	10.9						
70.0										38.4	92.5	8.9			
75.0										29.1	85.7	7.8			
79.0										17.3	76.0	7.1			

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 53.5 m Plumín 22.0 [ m ] Posición midfall (1916)															
16.6	78.0	120.3	16.7												
18.0	76.5	119.9	16.5												
20.0	74.2	119.4	15.8												
22.0	72.0	118.7	15.1												
24.0	69.7	118.0	14.6												
26.0	67.3	117.2	14.2												
26.8				73.0	118.5	14.7									
28.0	64.9	116.3	13.9	71.6	118.1	14.7									
30.0	62.5	115.3	13.6	69.3	117.4	14.4									
32.0	60.0	114.1	13.2	67.0	116.5	14.2									
34.0	57.5	112.9	12.7	64.6	115.6	13.9									
36.0	54.9	111.5	12.2	62.2	114.6	13.7									
38.0	52.2	110.0	11.8	59.7	113.4	13.5									
40.0	49.4	108.3	11.4	57.1	112.1	13.2									
42.0	46.4	106.4	10.8	54.5	110.7	12.9									
42.6							65.0	113.9	13.6						
44.0	43.3	104.3	10.2	51.8	109.2	12.7	63.4	113.2	13.6						
46.0	40.0	102.0	9.7	48.9	107.5	12.4	60.9	112.1	13.5						
48.0	36.5	99.4	9.3	46.0	105.6	12.0	58.4	110.9	13.4						
50.0	32.6	96.4	8.9	42.9	103.5	11.6	55.8	109.6	13.2						
55.0	20.2	86.0	8.1	34.0	97.0	10.7	48.9	105.6	12.6						
57.0	15.2	81.5	5.1												
60.0				22.4	87.4	9.6	41.2	100.5	11.6						
61.3										55.0	105.1	9.8			
62.0				15.5	81.3	9.1									
65.0							32.0	93.5	10.8	49.9	102.2	9.4			
70.0							19.2	82.7	10.0	42.3	97.2	8.5			
71.0							15.4	79.3	9.8						
75.0										34.5	91.4	7.5			
80.0										23.2	82.1	6.6			
82.0										16.7	76.5	6.3			

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 56.5 m Plumín 25.0 [ m ] Posición midfall (1916)															
17.2	78.0	123.2	15.2												
18.0	77.2	123.0	15.2												
20.0	75.1	122.5	14.6												
22.0	73.0	121.9	14.1												
24.0	70.8	121.2	13.6												
26.0	68.6	120.4	13.2												
27.7				73.0	121.4	13.6									
28.0	66.4	119.6	12.9	72.6	121.3	13.6									
30.0	64.1	118.6	12.6	70.5	120.6	13.4									
32.0	61.8	117.6	12.4	68.3	119.8	13.2									
34.0	59.4	116.4	12.0	66.1	118.9	13.0									
36.0	57.0	115.1	11.6	63.8	118.0	12.7									
38.0	54.5	113.7	11.2	61.5	116.9	12.6									
40.0	52.0	112.2	10.9	59.1	115.7	12.3									
42.0	49.3	110.5	10.6	56.7	114.4	12.1									
43.9							65.0	116.6	12.5						
44.0	46.5	108.7	10.1	54.2	113.0	11.9	64.9	116.6	12.5						
46.0	43.6	106.6	9.6	51.6	111.4	11.7	62.6	115.5	12.5						
48.0	40.5	104.3	9.1	48.9	109.7	11.5	60.3	114.4	12.4						
50.0	37.2	101.8	8.7	46.1	107.8	11.1	57.9	113.2	12.2						
55.0	27.5	93.6	7.9	38.4	102.2	10.4	51.5	109.5	11.9						
59.0	16.2	83.3	7.3												
60.0				29.1	94.5	9.5	44.6	104.9	11.3						
63.0										55.0	107.5	9.3			
65.0				15.1	81.7	8.4	36.7	98.9	10.6	52.5	106.0	9.2			
70.0							26.8	90.6	9.8	45.6	101.6	8.3			
74.0							17.3	81.9	6.7						
75.0										38.8	96.5	7.3			
80.0										29.6	89.0	6.5			
85.0										16.3	76.9	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de roldan- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de roldan- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de roldan- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de roldan- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de roldan- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 59.5 m Plumín 28.0 [ m ] Posición midfall (1916)															
17.9	78.0	126.1	13.8												
18.0	77.9	126.1	13.8												
20.0	75.9	125.6	13.5												
22.0	73.8	125.0	13.0												
24.0	71.8	124.4	12.5												
26.0	69.7	123.7	12.1												
28.0	67.7	122.9	11.8												
28.5				73.0	124.2	12.3									
30.0	65.5	122.0	11.5	71.5	123.8	12.3									
32.0	63.4	121.0	11.3	69.4	123.0	12.1									
34.0	61.2	119.9	11.2	67.3	122.2	11.8									
36.0	58.9	118.7	10.8	65.2	121.3	11.6									
38.0	56.6	117.4	10.5	63.0	120.3	11.4									
40.0	54.2	116.0	10.3	60.8	119.2	11.2									
42.0	51.8	114.4	10.1	58.6	118.0	11.0									
44.0	49.2	112.7	9.8	56.3	116.7	10.8									
45.2							65.0	119.3	11.3						
46.0	46.6	110.9	9.3	53.9	115.2	10.7	64.1	118.9	11.3						
48.0	43.8	108.9	8.9	51.4	113.7	10.5	61.9	117.9	11.2						
50.0	40.9	106.6	8.4	48.9	112.0	10.3	59.7	116.7	11.1						
55.0	32.7	99.7	7.6	42.0	106.9	9.8	53.8	113.4	10.8						
60.0	22.0	89.8	6.9	34.0	100.3	9.3	47.5	109.1	10.5						
62.0	15.8	83.7	6.6												
64.7										55.0	110.0	8.7			
65.0				23.8	91.0	8.3				54.7	109.8	8.7			
68.0				17.0	84.3	5.0									
70.0							32.1	96.8	9.5	48.4	105.7	7.9			
75.0							21.1	86.5	8.8	42.3	101.2	7.1			
77.0							16.9	82.4	6.5						
80.0										34.4	94.8	6.2			
85.0										24.5	85.7	5.4			
88.0										15.8	77.3	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 62.5 m Plumín 31.0 [ m ] Posición midfall (1916)															
18.5	78.0	129.1	12.6												
20.0	76.6	128.7	12.6												
22.0	74.6	128.2	12.0												
24.0	72.7	127.6	11.6												
26.0	70.8	126.9	11.2												
28.0	68.8	126.1	10.9												
29.4				73.0	127.1	11.3									
30.0	66.8	125.3	10.7	72.4	126.9	11.3									
32.0	64.8	124.3	10.5	70.5	126.2	11.2									
34.0	62.7	123.3	10.3	68.5	125.5	10.9									
36.0	60.6	122.2	10.1	66.5	124.6	10.7									
38.0	58.4	121.0	9.9	64.5	123.7	10.5									
40.0	56.2	119.7	9.7	62.4	122.6	10.3									
42.0	53.9	118.2	9.5	60.3	121.5	10.2									
44.0	51.6	116.7	9.3	58.1	120.3	10.0									
46.0	49.2	115.0	9.1	55.9	118.9	9.8									
46.4							65.0	122.1	10.3						
48.0	46.7	113.1	8.7	53.6	117.5	9.7	63.4	121.3	10.3						
50.0	44.1	111.1	8.3	51.3	115.9	9.5	61.3	120.2	10.2						
55.0	36.9	105.1	7.4	45.0	111.3	9.2	55.9	117.1	9.9						
60.0	28.1	97.0	6.7	38.0	105.5	8.8	50.0	113.2	9.6						
65.0	15.4	84.1	6.1	29.5	97.8	8.2	43.6	108.4	9.4						
66.5										55.0	112.5	8.2			
70.0				17.7	86.0	7.3	36.4	102.3	9.2	50.9	109.7	7.8			
71.0				16.5	84.8	4.7									
75.0							27.5	94.0	8.6	45.3	105.6	6.9			
80.0							16.5	82.8	6.4	38.3	99.9	6.1			
85.0										30.0	92.4	5.3			
90.0										18.7	81.1	4.5			
91.0										15.4	77.7	4.4			

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 65.5 m Plumín 34.0 [ m ] Posición midfall (1916)															
19.1	78.0	132.0	11.5												
20.0	77.2	131.8	11.5												
22.0	75.4	131.3	11.1												
24.0	73.5	130.7	10.7												
26.0	71.7	130.0	10.3												
28.0	69.8	129.3	10.1												
30.0	67.9	128.5	9.9												
30.3				73.0	130.0	10.3									
32.0	66.0	127.7	9.6	71.4	129.4	10.3									
34.0	64.0	126.7	9.4	69.5	128.7	10.1									
36.0	62.1	125.6	9.3	67.6	127.9	9.9									
38.0	60.0	124.5	9.1	65.7	127.0	9.7									
40.0	58.0	123.3	8.9	63.8	126.0	9.5									
42.0	55.9	121.9	8.7	61.8	125.0	9.3									
44.0	53.7	120.5	8.5	59.7	123.8	9.2									
46.0	51.5	118.9	8.4	57.7	122.6	9.0									
47.7							65.0	124.8	9.3						
48.0	49.1	117.2	8.2	55.5	121.2	8.8	64.7	124.6	9.3						
50.0	46.8	115.4	7.9	53.4	119.7	8.7	62.7	123.6	9.3						
55.0	40.3	110.0	7.1	47.6	115.5	8.3	57.6	120.7	9.0						
60.0	32.8	103.1	6.4	41.3	110.3	7.9	52.2	117.1	8.7						
65.0	23.3	93.4	5.8	34.0	103.6	7.6	46.4	112.7	8.5						
68.0	15.0	84.5	5.5												
68.2															
70.0				24.8	94.5	7.0				55.0	114.9	7.7			
74.0				16.1	85.2	4.4	39.9	107.2	8.2	53.0	113.6	7.4			
75.0															
80.0							32.3	100.2	7.9	47.8	109.7	6.6			
83.0							22.5	90.2	7.5	41.5	104.6	5.8			
85.0							16.1	83.2	6.0						
90.0										34.3	98.1	5.0			
94.0										25.4	89.2	4.3			
										15.1	78.1	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 68.5 m Plumín 37.0 [ m ] Posición midfall (1916)															
19.7	78.0	134.9	10.5												
20.0	77.8	134.9	10.5												
22.0	76.0	134.4	10.4												
24.0	74.3	133.8	9.9												
26.0	72.5	133.2	9.6												
28.0	70.7	132.5	9.4												
30.0	68.9	131.8	9.2												
31.2				73.0	132.9	9.5									
32.0	67.1	130.9	9.0	72.3	132.6	9.5									
34.0	65.3	130.0	8.8	70.5	131.9	9.4									
36.0	63.4	129.0	8.6	68.7	131.1	9.2									
38.0	61.5	128.0	8.5	66.9	130.3	9.0									
40.0	59.5	126.8	8.3	65.0	129.4	8.8									
42.0	57.6	125.6	8.1	63.1	128.4	8.7									
44.0	55.5	124.2	7.9	61.2	127.3	8.6									
46.0	53.5	122.7	7.8	59.3	126.1	8.4									
48.0	51.3	121.2	7.6	57.3	124.8	8.2									
49.0							65.0	127.5	8.6						
50.0	49.1	119.5	7.5	55.2	123.5	8.0	64.0	127.0	8.6						
55.0	43.2	114.5	6.8	49.9	119.5	7.7	59.2	124.2	8.3						
60.0	36.6	108.4	6.2	44.1	114.8	7.3	54.2	120.9	8.0						
65.0	28.7	100.4	5.6	37.6	108.9	6.9	48.7	116.8	7.8						
69.9										55.0	117.4	7.2			
70.0	17.8	88.4	5.1	29.9	101.2	6.6	42.8	111.8	7.5	54.9	117.3	7.2			
71.0	16.7	87.2	3.7												
75.0				19.7	90.0	6.1	36.1	105.6	7.2	50.1	113.7	6.4			
77.0				15.8	85.6	4.1									
80.0							28.1	97.4	7.0	44.3	109.0	5.6			
85.0							16.8	85.0	6.7	37.9	103.2	4.8			
86.0							15.7	83.6	5.7						
90.0										30.4	95.7	4.1			
95.0										20.4	85.0	3.4			
96.0										17.8	82.0	3.3			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 71.5 m Plumín 40.0 [ m ] Posición midfall (1916)															
20.4	78.0	137.9	9.6												
22.0	76.6	137.5	9.5												
24.0	75.0	136.9	9.1												
26.0	73.3	136.4	8.8												
28.0	71.6	135.7	8.6												
30.0	69.9	135.0	8.4												
32.0	68.1	134.2	8.2	73.0	135.7	8.6									
34.0	66.4	133.3	8.0	71.3	135.1	8.6									
36.0	64.6	132.4	7.9	69.6	134.3	8.4									
38.0	62.8	131.4	7.7	67.9	133.5	8.2									
40.0	61.0	130.3	7.6	66.1	132.7	8.1									
42.0	59.1	129.1	7.5	64.3	131.7	7.9									
44.0	57.2	127.8	7.3	62.5	130.7	7.8									
46.0	55.2	126.5	7.2	60.7	129.6	7.7									
48.0	53.2	125.0	7.1	58.8	128.4	7.5									
50.0	51.2	123.4	6.9	56.9	127.1	7.4									
50.2							65.0	130.2	7.7						
55.0	45.8	118.9	6.4	51.9	123.4	7.1	60.7	127.7	7.6						
60.0	39.8	113.3	5.8	46.6	119.0	6.8	55.9	124.5	7.3						
65.0	32.9	106.4	5.4	40.7	113.7	6.5	50.8	120.7	7.1						
70.0	24.3	97.0	4.9	33.9	107.0	6.3	45.4	116.2	6.9						
71.6										55.0	119.8	6.6			
74.0	16.3	87.6	3.6												
75.0				25.7	98.0	5.8	39.4	110.5	6.7	51.6	117.3	6.1			
80.0				15.4	86.0	4.2	32.4	103.5	6.5	46.8	113.3	5.3			
85.0							23.7	93.8	6.3	40.9	108.0	4.5			
89.0							15.3	84.0	5.0						
90.0										34.3	101.4	3.8			
95.0										26.2	92.7	3.2			
99.0										17.4	82.4	2.7			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 74.5 m Plumín 31.0 [ m ] Posición midfall (1916)															
21.0	78.0	140.8	8.8												
22.0	77.2	140.6	8.8												
24.0	75.6	140.1	8.4												
26.0	74.0	139.5	8.1												
28.0	72.4	138.9	7.9												
30.0	70.7	138.2	7.8												
32.0	69.1	137.4	7.6												
32.9				73.0	138.6	7.9									
34.0	67.4	136.6	7.5	72.1	138.2	7.9									
36.0	65.7	135.7	7.3	70.5	137.5	7.7									
38.0	64.0	134.8	7.2	68.8	136.8	7.6									
40.0	62.3	133.7	7.0	67.2	136.0	7.5									
42.0	60.5	132.6	6.9	65.5	135.1	7.3									
44.0	58.7	131.4	6.8	63.7	134.1	7.2									
46.0	56.8	130.1	6.7	62.0	133.0	7.1									
48.0	55.0	128.7	6.6	60.2	131.9	7.0									
50.0	53.0	127.2	6.5	58.4	130.7	6.8									
51.5							65.0	132.9	7.0						
55.0	48.0	123.0	6.1	53.7	127.2	6.6	62.0	131.1	7.0						
60.0	42.5	118.0	5.6	48.7	123.1	6.4	57.5	128.2	6.7						
65.0	36.3	111.7	5.1	43.3	118.2	6.2	52.7	124.6	6.5						
70.0	29.1	103.8	4.7	37.3	112.2	6.0	47.7	120.3	6.4						
73.3										55.0	122.3	6.2			
75.0	19.5	92.4	4.2	30.2	104.5	5.7	42.1	115.2	6.3	53.4	121.1	6.0			
77.0	16.0	88.0	3.6												
80.0				21.1	93.9	5.3	35.9	108.9	6.2	48.9	117.4	5.2			
83.0				15.1	86.4	3.7									
85.0							28.6	100.8	6.0	43.5	112.5	4.5			
90.0							18.8	89.1	5.7	37.6	106.6	3.8			
92.0							15.0	84.4	4.3						
95.0										30.6	99.1	3.1			
100.0										21.8	88.7	2.6			
102.0										17.0	82.9	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 77.5 m Plumín 34.0 [ m ] Posición midfall (1916)															
21.6	78.0	143.7	7.9												
22.0	77.7	143.6	7.9												
24.0	76.2	143.2	7.7												
26.0	74.6	142.6	7.4												
28.0	73.1	142.0	7.2												
30.0	71.5	141.4	7.0												
32.0	69.9	140.6	6.9												
33.8				73.0	141.5	7.1									
34.0	68.3	139.9	6.8	72.8	141.4	7.1									
36.0	66.7	139.0	6.6	71.3	140.7	7.0									
38.0	65.1	138.1	6.5	69.7	140.0	6.9									
40.0	63.4	137.1	6.3	68.1	139.2	6.8									
42.0	61.7	136.0	6.2	66.5	138.4	6.6									
44.0	60.0	134.9	6.1	64.8	137.4	6.5									
46.0	58.3	133.7	6.0	63.2	136.4	6.3									
48.0	56.5	132.4	5.9	61.5	135.4	6.2									
50.0	54.7	131.0	5.8	59.8	134.2	6.1									
52.8							65.0	135.6	6.3						
55.0	50.0	127.0	5.6	55.4	131.0	5.9	63.2	134.5	6.3						
60.0	44.9	122.4	5.2	50.7	127.1	5.7	58.9	131.7	6.0						
65.0	39.3	116.7	4.8	45.6	122.5	5.5	54.4	128.3	5.8						
70.0	32.9	109.7	4.5	40.1	117.0	5.3	49.7	124.4	5.7						
75.0	25.2	100.5	4.0	33.9	110.3	5.1	44.6	119.6	5.5						
75.1										55.0	124.7	5.4			
80.0	15.6	88.4	3.2	26.4	101.5	4.8	38.9	113.9	5.4	50.4	120.9	4.9			
85.0				15.9	88.2	4.6	32.5	106.8	5.3	45.8	116.8	4.2			
90.0							24.6	97.4	5.2	40.4	111.4	3.5			
94.0							15.8	86.2	5.1						
95.0										34.2	104.7	2.9			
100.0										26.9	96.1	2.3			
102.0										23.3	91.7	2.1			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 80.5 m Plumín 37.0 [ m ] Posición midfall (1916)															
22.2	78.0	146.7	7.2												
24.0	76.7	146.3	7.1												
26.0	75.2	145.7	6.9												
28.0	73.7	145.2	6.7												
30.0	72.2	144.5	6.5												
32.0	70.7	143.8	6.3												
34.0	69.2	143.1	6.2												
34.7				73.0	144.3	6.4									
36.0	67.6	142.3	6.1	72.0	143.9	6.4									
38.0	66.1	141.4	5.9	70.5	143.2	6.3									
40.0	64.5	140.5	5.8	69.0	142.4	6.2									
42.0	62.9	139.4	5.7	67.4	141.6	6.1									
44.0	61.3	138.4	5.6	65.8	140.7	5.9									
46.0	59.6	137.2	5.5	64.3	139.8	5.8									
48.0	57.9	136.0	5.3	62.7	138.8	5.7									
50.0	56.2	134.6	5.2	61.0	137.7	5.6									
54.0							65.0	138.4	5.6						
55.0	51.8	130.9	5.0	56.8	134.6	5.3	64.2	137.9	5.6						
60.0	47.0	126.6	4.8	52.4	131.0	5.1	60.2	135.2	5.4						
65.0	41.9	121.4	4.5	47.7	126.7	4.9	55.9	132.0	5.2						
70.0	36.1	115.1	4.2	42.6	121.6	4.7	51.5	128.3	5.1						
75.0	29.5	107.1	3.9	37.0	115.5	4.6	46.7	123.9	4.9						
76.8										55.0	127.2	4.8			
80.0	20.9	96.3	3.4	30.5	107.9	4.4	41.5	118.6	4.8	52.1	124.8	4.7			
83.0	15.3	88.8	2.8												
85.0				22.3	97.6	4.3	35.7	112.2	4.7	47.9	120.9	4.0			
88.0				15.6	88.6	4.1									
90.0							29.0	104.2	4.7	42.9	115.9	3.3			
95.0							20.3	93.0	4.6	37.3	109.9	2.7			
97.0							15.5	86.6	4.6						
100.0										30.9	102.4	2.1			
101.0										29.4	100.6	2.0			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 83.5 m Plumín 40.0 [ m ] Posición midfall (1916)															
22.8	78.0	149.6	6.4												
24.0	77.2	149.3	6.4												
26.0	75.8	148.8	6.2												
28.0	74.3	148.3	6.1												
30.0	72.9	147.7	5.9												
32.0	71.4	147.0	5.8												
34.0	70.0	146.3	5.6												
35.6				73.0	147.2	5.8									
36.0	68.5	145.5	5.5	72.7	147.1	5.8									
38.0	67.0	144.7	5.4	71.2	146.4	5.7									
40.0	65.5	143.8	5.3	69.8	145.7	5.6									
42.0	64.0	142.8	5.1	68.3	144.9	5.5									
44.0	62.4	141.8	5.0	66.8	144.0	5.4									
46.0	60.8	140.7	5.0	65.3	143.1	5.2									
48.0	59.2	139.5	4.8	63.7	142.1	5.1									
50.0	57.6	138.2	4.7	62.2	141.1	5.0									
55.0	53.4	134.7	4.5	58.2	138.2	4.8									
55.3							65.0	141.1	5.0						
60.0	48.9	130.6	4.3	54.0	134.7	4.6	61.4	138.7	4.9						
65.0	44.2	125.8	4.1	49.6	130.7	4.4	57.3	135.6	4.7						
70.0	38.9	120.1	3.8	44.9	126.0	4.2	53.1	132.1	4.6						
75.0	33.0	113.0	3.6	39.7	120.4	4.1	48.6	128.0	4.4						
78.5										55.0	129.7	4.3			
80.0	25.9	104.0	3.2	33.9	113.6	3.9	43.8	123.1	4.3	53.7	128.6	4.3			
85.0	16.0	90.6	2.8	27.0	104.9	3.8	38.6	117.2	4.1	49.7	124.9	3.7			
86.0	15.1	89.2	2.5												
90.0				17.7	92.4	3.6	32.6	110.1	4.0	45.0	120.3	3.0			
91.0				15.3	89.0	3.5									
95.0							25.3	100.9	4.0	39.9	114.7	2.4			
98.0										36.6	110.9	2.1			
100.0							15.2	87.0	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 86.5 m Plumín 43.0 [ m ] Posición midfall (1916)															
23.5	78.0	152.5	5.8												
24.0	77.6	152.4	5.8												
26.0	76.3	151.9	5.7												
28.0	74.9	151.4	5.6												
30.0	73.5	150.8	5.4												
32.0	72.1	150.2	5.3												
34.0	70.7	149.5	5.2												
36.0	69.3	148.7	5.1												
36.4				73.0	150.1	5.2									
38.0	67.8	147.9	5.0	71.9	149.6	5.2									
40.0	66.4	147.1	4.8	70.5	148.9	5.1									
42.0	64.9	146.2	4.7	69.1	148.1	5.0									
44.0	63.4	145.2	4.6	67.6	147.3	4.9									
46.0	61.9	144.1	4.5	66.2	146.4	4.8									
48.0	60.4	143.0	4.5	64.7	145.5	4.7									
50.0	58.9	141.8	4.4	63.2	144.5	4.6									
55.0	54.9	138.5	4.1	59.4	141.7	4.4									
56.6							65.0	143.8	4.5						
60.0	50.7	134.6	4.0	55.4	138.4	4.2	62.5	142.1	4.5						
65.0	46.2	130.1	3.8	51.3	134.7	4.0	58.6	139.2	4.3						
70.0	41.3	124.8	3.5	46.8	130.2	3.9	54.6	135.8	4.1						
75.0	36.0	118.4	3.4	42.1	125.0	3.7	50.4	131.9	4.0						
80.0	29.8	110.5	3.1	36.8	118.8	3.5	45.9	127.4	3.8						
80.2										55.0	132.1	3.8			
85.0	22.0	100.0	2.7	30.7	111.2	3.4	41.0	122.0	3.7	51.0	128.5	3.5			
88.0	15.7	91.0	2.5												
90.0				23.3	101.2	3.2	35.6	115.5	3.6	47.0	124.5	2.9			
94.0				16.6	91.6	2.6									
95.0							29.3	107.5	3.5	42.3	119.3	2.3			
97.0										40.2	117.0	2.1			
100.0							21.4	96.8	3.4						
103.0							16.5	89.7	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 89.5 m Plumín 46.0 [ m ] Posición midfall (1916)															
24.1	78.0	155.5	5.2												
26.0	76.7	155.0	5.1												
28.0	75.4	154.5	4.9												
30.0	74.1	154.0	4.8												
32.0	72.7	153.3	4.7												
34.0	71.4	152.7	4.6												
36.0	70.0	152.0	4.5												
37.3				73.0	152.9	4.6									
38.0	68.6	151.2	4.4	72.5	152.7	4.6									
40.0	67.2	150.4	4.2	71.2	152.0	4.5									
42.0	65.8	149.5	4.1	69.8	151.3	4.4									
44.0	64.4	148.5	4.0	68.4	150.5	4.3									
46.0	63.0	147.5	3.9	67.0	149.7	4.2									
48.0	61.5	146.4	3.8	65.6	148.8	4.1									
50.0	60.0	145.3	3.8	64.2	147.8	4.0									
55.0	56.2	142.1	3.6	60.6	145.2	3.8									
57.9							65.0	146.5	3.9						
60.0	52.2	138.5	3.4	56.8	142.1	3.6	63.5	145.5	3.9						
65.0	48.0	134.2	3.2	52.8	138.5	3.4	59.8	142.7	3.7						
70.0	43.5	129.3	3.0	48.6	134.3	3.3	56.0	139.5	3.5						
75.0	38.6	123.4	2.9	44.2	129.5	3.1	52.0	135.8	3.4						
80.0	33.0	116.3	2.7	39.3	123.8	3.0	47.7	131.5	3.3						
82.0										55.0	134.6	3.2			
85.0	26.5	107.4	2.4	33.8	116.9	2.8	43.2	126.5	3.1	52.6	132.3	3.2			
90.0				27.5	108.3	2.7	38.2	120.6	3.0	48.8	128.5	2.6			
95.0				19.2	96.5	2.5	32.6	113.4	2.9	44.3	123.7	2.0			
97.0				16.3	92.1	2.2									
100.0							26.0	104.4	2.8						
105.0							17.1	91.4	2.7						
106.0							16.2	90.1	2.3						



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 92.5 m Plumín 49.0 [ m ] Posición midfall (1916)															
24.7	78.0	158.4	4.6												
26.0	77.2	158.1	4.6												
28.0	75.9	157.6	4.5												
30.0	74.6	157.1	4.3												
32.0	73.3	156.5	4.2												
34.0	72.0	155.8	4.1												
36.0	70.7	155.2	3.9												
38.0	69.4	154.4	3.9												
38.2				73.0	155.8	4.1									
40.0	68.0	153.6	3.7	71.8	155.2	4.0									
42.0	66.7	152.8	3.6	70.5	154.5	3.9									
44.0	65.3	151.8	3.5	69.2	153.8	3.8									
46.0	63.9	150.9	3.4	67.8	153.0	3.7									
48.0	62.5	149.8	3.4	66.5	152.1	3.6									
50.0	61.1	148.8	3.3	65.1	151.2	3.5									
55.0	57.5	145.7	3.1	61.6	148.6	3.3									
59.1							65.0	149.2	3.3						
60.0	53.7	142.2	2.9	58.0	145.7	3.1	64.4	148.8	3.3						
65.0	49.7	138.2	2.8	54.2	142.2	2.9	60.9	146.2	3.2						
70.0	45.4	133.6	2.6	50.3	138.3	2.8	57.2	143.1	3.1						
75.0	40.9	128.1	2.4	46.1	133.7	2.7	53.4	139.6	2.9						
80.0	35.8	121.7	2.3	41.5	128.4	2.5	49.4	135.5	2.8						
83.7										55.0	137.0	2.7			
85.0				36.6	122.2	2.4	45.2	130.8	2.7	54.0	136.1	2.7			
90.0				30.9	114.5	2.3	40.6	125.4	2.5	50.4	132.5	2.4			
93.0										47.9	129.9	2.1			
95.0							35.5	118.9	2.5						
100.0							29.6	110.9	2.4						

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
65.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 95.5 m Plumín 52.0 [ m ] Posición midfall (1916)															
25.3	78.0	161.3	4.2												
26.0	77.6	161.2	4.2												
28.0	76.4	160.7	4.2												
30.0	75.1	160.2	4.0												
32.0	73.9	159.6	3.9												
34.0	72.6	159.0	3.8												
36.0	71.3	158.3	3.7												
38.0	70.0	157.6	3.6												
39.1				73.0	158.7	3.7									
40.0	68.8	156.8	3.5	72.4	158.4	3.7									
42.0	67.4	156.0	3.4	71.1	157.7	3.7									
44.0	66.1	155.1	3.3	69.9	157.0	3.6									
46.0	64.8	154.2	3.2	68.6	156.2	3.5									
48.0	63.5	153.2	3.1	67.3	155.4	3.4									
50.0	62.1	152.2	3.1	65.9	154.5	3.3									
55.0	58.6	149.3	2.8	62.6	152.0	3.1									
60.0	55.0	146.0	2.6	59.1	149.2	2.9									
60.4							65.0	152.0	3.1						
65.0	51.2	142.1	2.4	55.5	145.9	2.7	61.9	149.6	3.0						
70.0				51.8	142.2	2.5	58.4	146.7	2.8						
75.0				47.8	137.9	2.3	54.8	143.3	2.6						
80.0							51.0	139.5	2.5						
85.0							46.9	135.0	2.3						
90.0										55.0	139.5	2.4			
										51.5	136.0	2.1			
91.0										51.1	135.6	2.0			

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 38.5 m Plumín 16.0 [ m ] Posición midfall (2316)															
13.5	78.0	108.6	36.3												
14.0	77.3	108.5	36.3												
16.0	74.2	107.9	33.6												
18.0	71.1	107.3	29.9												
20.0	67.9	106.5	26.8												
22.0	64.6	105.6	23.6												
22.7				73.0	107.1	29.3									
24.0	61.2	104.5	21.4	71.0	106.7	28.8									
26.0	57.8	103.3	19.6	67.8	105.9	27.0									
28.0	54.1	101.9	18.1	64.6	105.0	25.4									
30.0	50.3	100.3	16.9	61.2	104.0	24.2									
32.0	46.3	98.5	15.8	57.7	102.7	22.4									
34.0	41.9	96.4	14.9	54.1	101.3	20.8									
36.0	37.2	93.9	14.0	50.3	99.7	19.6									
37.1							65.0	103.2	19.7						
38.0	31.8	90.9	13.3	46.2	97.9	18.3	63.5	102.8	19.7						
40.0	25.4	87.1	12.7	41.9	95.8	17.1	60.1	101.6	18.8						
42.0	16.9	81.7	12.0	37.1	93.3	16.1	56.6	100.4	17.9						
44.0				31.7	90.3	15.3	52.9	98.9	17.0						
46.0				25.3	86.5	14.5	49.0	97.3	16.3						
48.0				16.7	81.0	13.6	44.9	95.3	15.5						
50.0							40.5	93.1	14.9						
54.0										55.0	95.5	10.8			
55.0							26.7	85.3	13.6	53.9	95.1	10.5			
58.0							15.1	78.0	11.6						
60.0										43.9	90.6	9.4			
65.0										31.5	83.9	8.4			
69.0										16.2	74.5	7.4			

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 41.5 m Plumín 19.0 [ m ] Posición midfall (2316)															
14.2	78.0	111.5	33.5												
16.0	75.4	111.1	32.1												
18.0	72.5	110.5	28.9												
20.0	69.6	109.7	25.8												
22.0	66.6	108.9	23.0												
23.6				73.0	110.0	27.0									
24.0	63.5	107.9	20.7	72.5	109.9	26.9									
26.0	60.4	106.8	19.0	69.5	109.2	25.9									
28.0	57.1	105.6	17.5	66.5	108.3	24.5									
30.0	53.7	104.2	16.3	63.5	107.4	23.1									
32.0	50.2	102.6	15.4	60.3	106.3	22.0									
34.0	46.4	100.7	14.4	57.0	105.0	20.4									
36.0	42.4	98.6	13.6	53.7	103.6	19.0									
38.0	38.1	96.2	12.8	50.1	102.0	17.9									
38.3							65.0	105.9	18.0						
40.0	33.3	93.3	12.2	46.4	100.1	16.8	62.5	105.1	18.2						
42.0	27.7	89.8	11.6	42.4	98.0	15.7	59.3	103.9	17.3						
44.0	20.8	85.2	11.1	38.0	95.6	14.8	56.0	102.6	16.5						
45.0	16.2	82.1	10.8												
46.0				33.2	92.7	14.1	52.6	101.2	15.7						
48.0				27.6	89.2	13.3	49.0	99.5	15.1						
50.0				20.6	84.6	12.6	45.2	97.6	14.4						
51.0				16.1	81.4	12.2									
55.0							34.2	91.4	13.1						
55.7										55.0	98.0	9.8			
60.0							17.9	80.8	11.9	48.1	94.8	8.9			
65.0										37.8	89.3	7.9			
70.0										24.1	80.7	6.8			
72.0										15.6	74.9	6.4			

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 32.5 m Plumín 13.0 [ m ] Posición midfall (1916)															
12.3	78.0	102.7	32.8												
13.0	76.7	102.5	32.7												
14.0	74.9	102.3	31.8												
16.0	71.2	101.6	30.2												
18.0	67.4	100.8	28.5												
20.0	63.5	99.9	26.3												
21.0				73.0	101.4	28.6									
22.0	59.4	98.7	24.3	71.1	101.1	28.4									
24.0	55.2	97.4	22.1	67.3	100.3	27.4									
26.0	50.7	95.8	20.3	63.4	99.3	26.3									
28.0	45.9	94.0	19.0	59.4	98.2	25.2									
30.0	40.7	91.8	17.7	55.1	96.8	23.9									
32.0	34.8	89.1	16.7	50.6	95.3	22.9									
34.0	27.8	85.7	15.9	45.8	93.4	21.3									
34.5							65.0	97.8	22.2						
36.0	18.5	80.8	15.0	40.6	91.2	19.9	62.2	97.0	22.1						
38.0				34.7	88.5	18.8	58.1	95.8	21.0						
40.0				27.7	85.1	17.8	53.8	94.4	20.0						
42.0				18.3	80.2	16.7	49.2	92.8	19.2						
44.0							44.3	90.8	18.3						
46.0							38.9	88.5	17.5						
48.0							32.7	85.6	16.9						
50.0							25.2	81.9	16.3						
50.5										55.0	90.6	13.3			
52.0							16.5	77.2	14.3						
55.0										44.8	86.8	12.9			
60.0										29.9	80.0	11.7			
63.0										15.6	72.5	11.0			
77.6													35.0	68.5	2.4
80.0													28.8	65.5	2.2
81.0													24.7	63.4	2.1

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 35.5 m Plumín 16.0 [ m ] Posición midfall (1916)															
12.9	78.0	105.6	29.7												
13.0	77.9	105.6	29.7												
14.0	76.2	105.4	29.5												
16.0	72.8	104.8	28.0												
18.0	69.4	104.1	26.6												
20.0	65.9	103.2	24.8												
21.9				73.0	104.3	25.9									
22.0	62.3	102.2	23.3	72.8	104.2	25.9									
24.0	58.5	101.0	21.6	69.3	103.5	25.2									
26.0	54.6	99.7	19.9	65.8	102.7	24.3									
28.0	50.5	98.1	18.6	62.2	101.6	23.4									
30.0	46.1	96.2	17.4	58.5	100.5	22.4									
32.0	41.4	94.1	16.4	54.6	99.1	21.4									
34.0	36.1	91.5	15.5	50.4	97.5	20.6									
35.8							65.0	100.5	20.9						
36.0	30.1	88.3	14.7	46.0	95.7	19.4	64.7	100.4	21.2						
38.0	22.5	84.1	14.0	41.3	93.5	18.3	61.1	99.3	20.6						
39.0	17.6	81.3	13.6												
40.0				36.0	90.9	17.4	57.3	98.1	19.7						
42.0				29.9	87.7	16.5	53.3	96.7	18.7						
44.0				22.4	83.5	15.7	49.1	95.0	18.0						
45.0				17.4	80.6	15.2									
46.0							44.6	93.1	17.2						
48.0							39.7	90.8	16.5						
50.0							34.3	88.1	15.9						
52.2										55.0	93.1	12.6			
55.0							15.7	77.6	12.8	49.5	91.0	12.6			
60.0										37.6	85.5	11.3			
65.0										20.5	76.2	10.3			
66.0										16.9	74.1	9.7			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 38.5 m Plumín 19.0 [ m ] Posición midfall (1916)															
13.5	78.0	108.6	27.2												
14.0	77.3	108.5	27.2												
16.0	74.2	107.9	26.0												
18.0	71.1	107.3	24.5												
20.0	67.9	106.5	23.3												
22.0	64.6	105.6	21.9												
22.7				73.0	107.1	23.5									
24.0	61.2	104.5	20.9	71.0	106.7	23.3									
26.0	57.8	103.3	19.4	67.8	105.9	22.5									
28.0	54.1	101.9	18.1	64.6	105.0	21.6									
30.0	50.3	100.3	17.2	61.2	104.0	21.0									
32.0	46.3	98.5	16.1	57.7	102.7	20.1									
34.0	41.9	96.4	15.2	54.1	101.3	19.3									
36.0	37.2	93.9	14.3	50.3	99.7	18.7									
37.1							65.0	103.2	20.0						
38.0	31.8	90.9	13.7	46.2	97.9	17.7	63.5	102.8	20.0						
40.0	25.4	87.1	13.1	41.9	95.8	16.9	60.1	101.6	19.2						
42.0	16.9	81.7	12.4	37.1	93.3	16.2	56.6	100.4	18.4						
44.0				31.7	90.3	15.5	52.9	98.9	17.5						
46.0				25.3	86.5	14.7	49.0	97.3	16.9						
48.0				16.7	81.0	13.9	44.9	95.3	16.2						
50.0							40.5	93.1	15.5						
54.0										55.0	95.5	11.9			
55.0							26.7	85.3	14.3	53.3	94.8	12.4			
58.0							15.1	78.0	11.2						
60.0										43.2	90.2	11.2			
65.0										30.5	83.4	10.1			
69.0										16.2	74.5	9.0			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 41.5 m Plumín 22.0 [ m ] Posición midfall (1916)															
14.2	78.0	111.5	24.2												
16.0	75.4	111.1	23.5												
18.0	72.5	110.5	22.3												
20.0	69.6	109.7	21.1												
22.0	66.6	108.9	19.9												
23.6				73.0	110.0	20.9									
24.0	63.5	107.9	18.9	72.5	109.9	20.8									
26.0	60.4	106.8	18.0	69.5	109.2	20.3									
28.0	57.1	105.6	17.0	66.5	108.3	19.6									
30.0	53.7	104.2	16.1	63.5	107.4	18.9									
32.0	50.2	102.6	15.4	60.3	106.3	18.3									
34.0	46.4	100.7	14.6	57.0	105.0	17.5									
36.0	42.4	98.6	13.8	53.7	103.6	16.8									
38.0	38.1	96.2	13.1	50.1	102.0	16.2									
38.3							65.0	105.9	18.0						
40.0	33.3	93.3	12.5	46.4	100.1	15.5	62.5	105.1	18.2						
42.0	27.7	89.8	11.9	42.4	98.0	14.8	59.3	103.9	17.4						
44.0	20.8	85.2	11.4	38.0	95.6	14.2	56.0	102.6	16.7						
45.0	16.2	82.1	11.1												
46.0				33.2	92.7	13.6	52.6	101.2	16.1						
48.0				27.6	89.2	13.0	49.0	99.5	15.5						
50.0				20.6	84.6	12.4	45.2	97.6	14.9						
51.0				16.1	81.4	12.1									
55.0							34.2	91.4	13.6						
55.7										55.0	98.0	11.3			
60.0							17.9	80.8	12.4	47.5	94.5	10.8			
65.0										37.1	88.9	9.8			
70.0										21.8	79.2	8.7			
72.0										15.6	74.9	8.3			



### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 44.5 m Plumín 25.0 [ m ] Posición midfall (1916)															
14.8	78.0	114.4	22.1												
16.0	76.4	114.2	21.9												
18.0	73.7	113.6	20.8												
20.0	71.0	112.9	19.6												
22.0	68.2	112.2	18.7												
24.0	65.4	111.3	17.7												
24.5				73.0	112.9	19.0									
26.0	62.5	110.3	16.8	71.0	112.4	18.9									
28.0	59.6	109.1	16.1	68.2	111.6	18.3									
30.0	56.5	107.9	15.4	65.4	110.7	17.6									
32.0	53.4	106.4	14.7	62.5	109.7	17.0									
34.0	50.0	104.8	14.2	59.5	108.6	16.3									
36.0	46.5	103.0	13.5	56.5	107.3	15.6									
38.0	42.8	100.9	12.8	53.3	105.8	15.1									
39.6							65.0	108.6	16.5						
40.0	38.8	98.5	12.1	50.0	104.2	14.6	64.5	108.5	17.1						
42.0	34.5	95.8	11.6	46.5	102.4	13.9	61.6	107.4	16.8						
44.0	29.5	92.5	11.1	42.8	100.3	13.3	58.6	106.2	16.2						
46.0	23.6	88.3	10.7	38.8	97.9	12.8	55.5	104.9	15.5						
48.0	15.6	82.5	10.2	34.4	95.2	12.3	52.3	103.4	14.9						
50.0				29.4	91.9	11.8	48.9	101.7	14.5						
54.0				15.5	81.8	10.7									
55.0							39.6	96.5	13.1						
57.4										55.0	100.4	10.7			
60.0							27.7	88.7	12.0	51.0	98.5	10.6			
63.0							17.3	81.2	11.3						
65.0										41.6	93.4	9.5			
70.0										30.3	86.3	8.6			
75.0										15.0	75.3	7.5			

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 47.5 m Plumín 28.0 [ m ] Posición midfall (1916)															
15.4	78.0	117.4	20.1												
16.0	77.3	117.2	20.1												
18.0	74.8	116.7	19.3												
20.0	72.3	116.1	18.5												
22.0	69.7	115.4	17.7												
24.0	67.1	114.6	17.0												
25.4				73.0	115.8	17.6									
26.0	64.4	113.6	16.4	72.2	115.5	17.5									
28.0	61.7	112.6	15.9	69.6	114.8	17.2									
30.0	58.9	111.4	15.1	67.0	114.0	16.9									
32.0	56.0	110.1	14.4	64.4	113.1	16.4									
34.0	53.0	108.7	13.7	61.7	112.0	16.0									
36.0	49.9	107.0	13.2	58.9	110.9	15.5									
38.0	46.7	105.2	12.5	56.0	109.5	15.1									
40.0	43.2	103.2	11.9	53.0	108.1	14.6									
40.9							65.0	111.4	16.1						
42.0	39.5	100.8	11.3	49.9	106.5	14.3	63.5	110.8	16.1						
44.0	35.5	98.2	10.8	46.6	104.6	13.6	60.8	109.7	15.8						
46.0	31.0	95.0	10.4	43.1	102.6	13.0	58.0	108.5	15.4						
48.0	25.8	91.2	9.9	39.4	100.2	12.5	55.1	107.2	14.8						
50.0	19.3	86.2	9.5	35.4	97.6	12.0	52.0	105.7	14.3						
51.0	15.1	82.9	9.3												
55.0				22.7	88.3	10.8	43.8	101.0	13.0						
57.0				16.5	83.4	7.2									
59.1										55.0	102.9	10.2			
60.0							34.1	94.7	12.0	53.7	102.2	10.2			
65.0							20.6	84.8	11.0	45.6	97.8	9.2			
66.0							16.7	81.7	10.8						
70.0										36.2	91.9	8.3			
75.0										25.5	84.2	7.3			
77.0										18.9	79.1	6.9			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 50.5 m Plumín 19.0 [ m ] Posición midfall (1916)															
16.0	78.0	120.3	18.4												
18.0	75.7	119.8	18.1												
20.0	73.3	119.3	17.4												
22.0	70.9	118.6	16.7												
24.0	68.5	117.8	16.2												
26.0	66.0	117.0	15.7												
26.3				73.0	118.6	16.3									
28.0	63.5	116.0	15.4	70.9	118.0	16.2									
30.0	60.9	114.9	15.1	68.5	117.3	16.0									
32.0	58.3	113.7	14.3	66.0	116.4	15.8									
34.0	55.6	112.4	13.5	63.5	115.4	15.5									
36.0	52.8	110.9	12.9	60.9	114.3	15.3									
38.0	49.8	109.3	12.4	58.3	113.1	14.9									
40.0	46.7	107.4	11.7	55.5	111.8	14.6									
42.0	43.5	105.4	11.1	52.7	110.3	14.3									
42.1							65.0	114.1	14.7						
44.0	40.1	103.1	10.6	49.8	108.7	14.0	62.7	113.2	15.2						
46.0	36.3	100.5	10.1	46.7	106.9	13.3	60.1	112.0	15.0						
48.0	32.2	97.5	9.7	43.5	104.8	12.7	57.4	110.8	14.7						
50.0	27.6	94.0	9.3	40.0	102.5	12.2	54.7	109.4	14.1						
54.0	16.1	84.5	5.5												
55.0				29.9	95.2	11.0	47.3	105.3	12.9						
60.0				16.0	83.8	6.3	38.9	99.8	11.8						
60.8										55.0	105.3	9.6			
65.0							28.5	92.1	11.0	48.9	102.0	9.1			
69.0							16.2	82.1	10.3						
70.0										40.7	96.8	8.2			
75.0										32.0	90.6	7.3			
80.0										18.3	79.6	6.3			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 53.5 m Plumín 22.0 [ m ] Posición midfall (1916)															
16.7	78.0	123.3	16.3												
18.0	76.6	122.9	16.2												
20.0	74.3	122.4	15.5												
22.0	72.1	121.8	14.9												
24.0	69.8	121.0	14.4												
26.0	67.4	120.2	14.0												
27.2				73.0	121.5	14.4									
28.0	65.1	119.3	13.6	72.0	121.2	14.4									
30.0	62.7	118.3	13.4	69.7	120.5	14.2									
32.0	60.2	117.2	13.0	67.4	119.7	14.0									
34.0	57.6	115.9	12.4	65.0	118.8	13.7									
36.0	55.0	114.6	11.9	62.6	117.7	13.5									
38.0	52.3	113.0	11.5	60.1	116.6	13.3									
40.0	49.5	111.4	11.1	57.6	115.4	13.0									
42.0	46.6	109.5	10.5	55.0	114.0	12.7									
43.4							65.0	116.8	13.4						
44.0	43.5	107.5	10.0	52.3	112.5	12.5	64.3	116.5	13.4						
46.0	40.2	105.2	9.5	49.5	110.8	12.2	61.9	115.5	13.3						
48.0	36.7	102.6	9.1	46.5	108.9	11.8	59.4	114.3	13.1						
50.0	32.8	99.6	8.7	43.4	106.9	11.3	56.8	113.0	12.9						
55.0	20.5	89.3	7.9	34.8	100.5	10.5	50.0	109.2	12.2						
57.0	15.6	84.9	5.2												
60.0				23.4	91.2	9.4	42.5	104.2	11.2						
62.6										55.0	107.8	9.1			
63.0				15.5	84.2	5.7									
65.0							33.6	97.6	10.4	51.7	105.9	8.7			
70.0							21.6	87.7	9.7	44.4	101.3	7.9			
72.0							17.0	83.7	7.7						
75.0										36.9	96.0	7.0			
80.0										26.5	87.7	6.1			
83.0										17.7	80.1	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 56.5 m Plumín 25.0 [ m ] Posición midfall (1916)															
17.3	78.0	126.2	14.8												
18.0	77.3	126.0	14.8												
20.0	75.2	125.5	14.3												
22.0	73.1	124.9	13.8												
24.0	70.9	124.2	13.4												
26.0	68.7	123.5	13.0												
28.0	66.5	122.6	12.7	73.0	124.4	13.3									
30.0	64.2	121.7	12.4	70.9	123.7	13.2									
32.0	61.9	120.6	12.2	68.7	122.9	13.0									
34.0	59.6	119.5	11.8	66.5	122.1	12.8									
36.0	57.2	118.2	11.4	64.2	121.1	12.5									
38.0	54.7	116.8	11.0	61.9	120.1	12.3									
40.0	52.1	115.3	10.6	59.5	118.9	12.1									
42.0	49.4	113.6	10.3	57.1	117.6	11.9									
44.0	46.7	111.8	9.8	54.6	116.2	11.7									
44.7							65.0	119.5	12.3						
46.0	43.8	109.7	9.3	52.1	114.7	11.5	63.5	118.9	12.3						
48.0	40.7	107.4	8.9	49.4	113.0	11.3	61.2	117.8	12.2						
50.0	37.4	104.9	8.5	46.6	111.2	10.9	58.8	116.6	12.0						
55.0	27.7	96.8	7.7	39.0	105.6	10.1	52.6	113.1	11.6						
60.0	15.2	85.3	5.0	29.8	98.1	9.2	45.7	108.6	10.9						
64.3										55.0	110.3	8.6			
65.0				16.5	86.0	8.2	38.0	102.9	10.1	54.1	109.7	8.5			
66.0				15.0	84.6	5.1									
70.0							28.5	95.0	9.5	47.4	105.5	7.6			
75.0							16.5	84.1	6.8	40.8	100.8	6.8			
80.0										32.2	93.9	5.9			
85.0										20.5	83.5	5.1			
86.0										17.3	80.5	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 59.5 m Plumín 28.0 [ m ] Posición midfall (1916)															
18.0	78.0	129.1	13.5												
20.0	76.0	128.6	13.2												
22.0	74.0	128.1	12.7												
24.0	71.9	127.4	12.3												
26.0	69.9	126.7	11.9												
28.0	67.8	125.9	11.6												
28.9				73.0	127.2	12.1									
30.0	65.6	125.0	11.4	71.9	126.9	12.1									
32.0	63.5	124.0	11.2	69.8	126.1	11.9									
34.0	61.3	123.0	11.0	67.7	125.3	11.7									
36.0	59.0	121.8	10.7	65.6	124.4	11.5									
38.0	56.7	120.5	10.3	63.4	123.5	11.3									
40.0	54.4	119.1	10.0	61.2	122.4	11.1									
42.0	51.9	117.5	9.8	59.0	121.2	10.9									
44.0	49.4	115.8	9.5	56.7	119.9	10.7									
45.9							65.0	122.2	11.1						
46.0	46.7	114.0	9.1	54.3	118.5	10.5	64.9	122.2	11.1						
48.0	44.0	112.0	8.6	51.9	117.0	10.4	62.8	121.2	11.1						
50.0	41.1	109.7	8.2	49.3	115.3	10.2	60.6	120.1	10.9						
55.0	32.9	102.9	7.4	42.5	110.3	9.5	54.8	116.8	10.6						
60.0	22.2	93.0	6.7	34.6	103.9	9.0	48.5	112.8	10.3						
62.0	16.2	87.1	6.4												
65.0				24.6	94.8	8.1	41.6	107.6	9.7						
66.0										55.0	112.7	8.0			
68.0				16.0	86.4	7.6									
70.0							33.6	101.0	9.2	50.7	110.0	7.3			
75.0							23.1	91.4	8.5	44.1	105.3	6.5			
78.0							16.1	84.5	6.5						
80.0										36.6	99.3	5.6			
85.0										27.3	91.1	4.8			
89.0										16.8	81.0	4.3			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 62.5 m Plumín 31.0 [ m ] Posición midfall (1916)															
18.6	78.0	132.1	12.3												
20.0	76.7	131.7	12.3												
22.0	74.7	131.2	11.8												
24.0	72.8	130.6	11.4												
26.0	70.9	129.9	11.0												
28.0	68.9	129.1	10.8												
29.8				73.0	130.1	11.1									
30.0	66.9	128.3	10.5	72.8	130.0	11.1									
32.0	64.9	127.4	10.3	70.8	129.3	11.0									
34.0	62.8	126.4	10.1	68.9	128.6	10.8									
36.0	60.7	125.3	9.9	66.9	127.7	10.6									
38.0	58.5	124.1	9.7	64.8	126.8	10.4									
40.0	56.3	122.7	9.4	62.8	125.8	10.2									
42.0	54.1	121.3	9.2	60.7	124.7	10.0									
44.0	51.7	119.8	9.1	58.5	123.5	9.8									
46.0	49.3	118.1	8.8	56.3	122.2	9.7									
47.2							65.0	124.9	10.1						
48.0	46.8	116.2	8.4	54.0	120.7	9.5	64.2	124.6	10.1						
50.0	44.2	114.2	8.0	51.7	119.2	9.4	62.1	123.5	10.0						
55.0	37.0	108.2	7.2	45.5	114.7	9.0	56.7	120.5	9.7						
60.0	28.4	100.2	6.5	38.5	109.0	8.6	51.0	116.7	9.5						
65.0	15.8	87.5	5.9	30.2	101.5	8.0	44.7	112.1	9.1						
67.7										55.0	115.2	7.5			
70.0				18.8	90.2	7.1	37.6	106.2	8.8	52.4	113.5	7.1			
71.0				15.6	86.8	7.0									
75.0							29.0	98.4	8.3	46.9	109.5	6.4			
80.0							16.9	86.2	7.7	40.2	104.2	5.5			
81.0							15.7	84.9	6.2						
85.0										32.3	97.2	4.7			
90.0										22.1	87.3	4.0			
92.0										16.4	81.4	3.8			

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 65.5 m Plumín 34.0 [ m ] Posición midfall (1916)															
19.2	78.0	135.0	11.3												
20.0	77.3	134.8	11.3												
22.0	75.5	134.3	10.9												
24.0	73.6	133.7	10.5												
26.0	71.8	133.1	10.2												
28.0	69.9	132.4	10.0												
30.0	68.0	131.6	9.7												
30.7				73.0	133.0	10.1									
32.0	66.1	130.7	9.5	71.8	132.5	10.1									
34.0	64.1	129.7	9.3	69.9	131.8	9.9									
36.0	62.2	128.7	9.2	68.0	131.0	9.8									
38.0	60.1	127.6	9.0	66.1	130.1	9.6									
40.0	58.1	126.3	8.8	64.1	129.2	9.4									
42.0	56.0	125.0	8.6	62.1	128.1	9.2									
44.0	53.8	123.6	8.4	60.1	127.0	9.1									
46.0	51.6	122.0	8.2	58.0	125.8	8.9									
48.0	49.3	120.3	8.0	55.9	124.4	8.7									
48.5							65.0	127.7	9.2						
50.0	46.9	118.5	7.7	53.8	123.0	8.6	63.5	126.9	9.2						
55.0	40.4	113.1	6.9	48.0	118.8	8.2	58.4	124.1	8.9						
60.0	33.0	106.2	6.2	41.8	113.7	7.8	53.1	120.6	8.6						
65.0	23.5	96.7	5.7	34.5	107.2	7.5	47.3	116.3	8.4						
68.0	15.4	87.9	5.3												
69.5															
70.0				25.6	98.3	6.8	40.9	111.0	8.0	55.0	117.6	6.9			
74.0				15.3	87.2	6.3				54.4	117.2	6.8			
75.0															
80.0							33.6	104.3	7.8	49.3	113.6	6.1			
84.0							24.3	95.0	7.3	43.2	108.7	5.2			
85.0							15.3	85.3	5.8						
90.0										36.3	102.6	4.5			
95.0										27.9	94.5	3.8			
										16.0	81.8	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 68.5 m Plumín 37.0 [ m ] Posición midfall (1916)															
19.8	78.0	137.9	10.3												
20.0	77.9	137.9	10.3												
22.0	76.1	137.4	10.1												
24.0	74.4	136.9	9.8												
26.0	72.6	136.2	9.5												
28.0	70.8	135.6	9.2												
30.0	69.0	134.8	9.1												
31.5				73.0	135.8	9.3									
32.0	67.2	134.0	8.9	72.6	135.7	9.3									
34.0	65.4	133.1	8.7	70.8	135.0	9.2									
36.0	63.5	132.1	8.5	69.0	134.2	9.0									
38.0	61.6	131.0	8.3	67.2	133.4	8.9									
40.0	59.6	129.9	8.2	65.3	132.5	8.7									
42.0	57.7	128.6	8.0	63.5	131.5	8.5									
44.0	55.6	127.3	7.8	61.6	130.5	8.4									
46.0	53.6	125.8	7.7	59.6	129.3	8.3									
48.0	51.4	124.2	7.5	57.6	128.1	8.1									
49.8							65.0	130.4	8.4						
50.0	49.2	122.5	7.4	55.6	126.7	7.9	64.8	130.3	8.4						
55.0	43.3	117.7	6.6	50.3	122.8	7.6	60.0	127.6	8.2						
60.0	36.7	111.6	6.0	44.5	118.1	7.2	55.0	124.3	7.9						
65.0	28.9	103.6	5.5	38.1	112.3	6.8	49.6	120.4	7.7						
70.0	18.1	91.7	4.9	30.5	104.8	6.4	43.8	115.5	7.4						
71.0	15.0	88.3	4.8												
71.2										55.0	120.1	6.4			
75.0				20.6	94.1	6.0	37.2	109.5	7.1	51.4	117.5	5.9			
77.0				16.9	89.9	4.1									
80.0							29.5	101.8	6.9	45.8	113.0	5.0			
85.0							19.0	90.3	6.6	39.6	107.5	4.3			
86.0							16.2	87.1	6.5						
90.0										32.4	100.5	3.6			
95.0										23.3	90.9	3.0			
98.0										15.6	82.2	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 71.5 m Plumín 40.0 [ m ] Posición midfall (1916)															
20.5	78.0	140.9	9.4												
22.0	76.7	140.5	9.3												
24.0	75.1	140.0	9.0												
26.0	73.4	139.4	8.7												
28.0	71.7	138.7	8.5												
30.0	70.0	138.0	8.3												
32.0	68.2	137.2	8.1												
32.4				73.0	138.7	8.5									
34.0	66.5	136.4	8.0	71.7	138.2	8.5									
36.0	64.7	135.4	7.8	69.9	137.5	8.3									
38.0	62.9	134.4	7.7	68.2	136.7	8.1									
40.0	61.1	133.3	7.5	66.5	135.8	8.0									
42.0	59.2	132.2	7.4	64.7	134.9	7.8									
44.0	57.3	130.9	7.2	62.9	133.9	7.7									
46.0	55.3	129.5	7.1	61.0	132.8	7.6									
48.0	53.3	128.1	7.0	59.2	131.6	7.4									
50.0	51.3	126.5	6.9	57.3	130.3	7.3									
51.0							65.0	133.1	7.6						
55.0	45.9	122.0	6.3	52.3	126.7	7.0	61.4	131.0	7.5						
60.0	39.9	116.5	5.7	47.0	122.4	6.7	56.7	128.0	7.3						
65.0	33.0	109.5	5.2	41.1	117.1	6.4	51.7	124.3	7.0						
70.0	24.5	100.2	4.7	34.5	110.5	6.2	46.3	119.8	6.8						
72.9										55.0	122.5	5.8			
74.0	16.6	90.9	3.6												
75.0				26.4	101.8	5.7	40.3	114.4	6.6	53.3	121.3	5.6			
80.0				16.5	90.3	4.1	33.6	107.6	6.5	48.1	117.2	4.7			
85.0							25.2	98.5	6.2	42.5	112.2	4.0			
89.0							15.8	87.5	6.0						
90.0										36.1	105.9	3.3			
95.0										28.5	97.9	2.7			
100.0										18.1	86.0	2.2			
101.0										15.3	82.6	2.0			

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
68.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 74.5 m Plumín 31.0 [ m ] Posición midfall (1916)															
21.1	78.0	143.8	8.6												
22.0	77.3	143.6	8.6												
24.0	75.7	143.1	8.3												
26.0	74.1	142.5	8.0												
28.0	72.4	141.9	7.8												
30.0	70.8	141.2	7.7												
32.0	69.2	140.5	7.5												
33.3				73.0	141.6	7.7									
34.0	67.5	139.7	7.4	72.4	141.3	7.7									
36.0	65.8	138.8	7.2	70.8	140.7	7.6									
38.0	64.1	137.8	7.1	69.1	139.9	7.5									
40.0	62.3	136.8	7.0	67.5	139.1	7.4									
42.0	60.6	135.7	6.8	65.8	138.2	7.2									
44.0	58.8	134.5	6.7	64.1	137.2	7.1									
46.0	56.9	133.2	6.6	62.3	136.2	7.0									
48.0	55.1	131.8	6.5	60.5	135.1	6.9									
50.0	53.1	130.3	6.4	58.7	133.9	6.8									
52.3							65.0	135.8	6.9						
55.0	48.1	126.1	6.0	54.1	130.5	6.5	62.7	134.5	6.9						
60.0	42.6	121.1	5.5	49.1	126.4	6.3	58.2	131.6	6.7						
65.0	36.5	114.9	5.0	43.7	121.6	6.1	53.5	128.1	6.5						
70.0	29.3	107.0	4.5	37.7	115.6	5.9	48.5	123.9	6.3						
74.6										55.0	125.0	5.5			
75.0	19.8	95.7	4.1	30.8	108.1	5.6	43.0	119.0	6.2	54.6	124.7	5.4			
77.0	16.3	91.4	3.5												
80.0				21.9	97.8	5.1	36.9	112.9	6.1	50.2	121.2	4.7			
83.0				16.2	90.7	3.5									
85.0							29.8	105.1	5.9	44.9	116.5	3.9			
90.0							20.6	94.2	5.7	39.2	110.9	3.3			
92.0							15.5	87.9	5.6						
95.0										32.5	103.9	2.7			
100.0										24.3	94.5	2.1			
101.0										22.3	92.1	2.0			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
71.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 32.5 m Plumín 13.0 [ m ] Posición midfall (1916)															
12.4	78.0	105.7	31.7												
13.0	76.9	105.6	31.7												
14.0	75.1	105.3	31.0												
16.0	71.4	104.7	29.5												
18.0	67.6	103.9	27.9												
20.0	63.7	102.9	25.7												
21.4				73.0	104.4	27.7									
22.0	59.6	101.8	23.8	71.8	104.2	27.7									
24.0	55.4	100.5	21.6	68.0	103.4	26.8									
26.0	51.0	98.9	19.9	64.1	102.5	25.8									
28.0	46.2	97.1	18.6	60.1	101.4	24.8									
30.0	41.0	94.9	17.4	55.9	100.1	23.4									
32.0	35.1	92.3	16.4	51.5	98.6	22.4									
34.0	28.2	88.9	15.6	46.8	96.8	21.0									
35.3							65.0	100.7	21.1						
36.0	19.1	84.1	14.8	41.6	94.6	19.6	63.7	100.3	21.2						
38.0				35.8	92.0	18.5	59.7	99.2	20.4						
40.0				29.1	88.8	17.5	55.5	97.9	19.4						
42.0				20.3	84.2	16.6	51.0	96.4	18.6						
43.0				16.4	82.1	9.8									
44.0							46.2	94.5	17.8						
46.0							41.0	92.4	17.0						
48.0							35.2	89.7	16.4						
50.0							28.3	86.4	15.8						
51.8										55.0	93.3	12.5			
52.0							19.2	81.6	15.2						
55.0										47.9	90.8	12.2			
60.0										34.2	84.8	11.0			
64.0										15.4	75.1	10.1			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
71.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 35.5 m Plumín 16.0 [ m ] Posición midfall (1916)															
13.0	78.0	108.6	28.8												
14.0	76.4	108.4	28.6												
16.0	73.0	107.8	27.3												
18.0	69.6	107.1	25.9												
20.0	66.1	106.3	24.2												
22.0	62.5	105.3	22.8												
22.2				73.0	107.3	25.1									
24.0	58.7	104.1	21.1	70.0	106.6	24.6									
26.0	54.8	102.7	19.5	66.5	105.8	23.8									
28.0	50.7	101.2	18.2	62.9	104.8	23.0									
30.0	46.4	99.3	17.0	59.2	103.7	22.1									
32.0	41.6	97.2	16.0	55.3	102.3	21.0									
34.0	36.4	94.7	15.1	51.2	100.8	20.2									
36.0	30.4	91.5	14.4	46.9	99.0	19.1									
36.6							65.0	103.4	20.0						
38.0	23.0	87.4	13.7	42.2	96.9	18.0	62.5	102.7	19.9						
39.0	18.2	84.6	13.4												
40.0				37.0	94.4	17.1	58.8	101.5	19.0						
42.0				31.1	91.4	16.3	54.9	100.2	18.1						
44.0				23.9	87.4	15.4	50.8	98.6	17.4						
46.0				15.6	82.5	8.9	46.4	96.8	16.7						
48.0							41.7	94.6	16.0						
50.0							36.5	92.1	15.4						
53.5										55.0	95.8	11.8			
55.0							18.3	82.1	14.1	52.2	94.7	11.8			
60.0										40.4	89.6	10.6			
65.0										24.8	81.4	9.6			
67.0										16.6	76.6	9.2			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
71.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 38.5 m Plumín 19.0 [ m ] Posición midfall (1916)															
13.6	78.0	111.6	26.5												
14.0	77.5	111.5	26.5												
16.0	74.4	111.0	25.4												
18.0	71.2	110.3	24.1												
20.0	68.1	109.5	22.9												
22.0	64.8	108.6	21.6												
23.1				73.0	110.1	22.9									
24.0	61.4	107.6	20.6	71.6	109.8	22.8									
26.0	57.9	106.4	19.1	68.4	109.1	22.2									
28.0	54.3	105.0	17.8	65.2	108.2	21.4									
30.0	50.5	103.4	16.8	61.8	107.1	20.8									
32.0	46.5	101.6	15.8	58.4	106.0	19.9									
34.0	42.2	99.5	14.9	54.8	104.6	19.1									
36.0	37.5	97.0	14.1	51.0	103.0	18.5									
37.9							65.0	106.1	19.1						
38.0	32.1	94.0	13.4	47.0	101.2	17.6	64.8	106.0	19.1						
40.0	25.8	90.3	12.8	42.7	99.2	16.7	61.5	105.0	18.6						
42.0	17.4	85.0	12.2	38.0	96.7	15.9	58.0	103.8	17.9						
44.0				32.8	93.8	15.3	54.4	102.4	17.0						
46.0				26.6	90.2	14.5	50.6	100.8	16.4						
48.0				18.6	85.2	13.8	46.6	99.0	15.8						
50.0							42.2	96.9	15.1						
55.0							29.2	89.7	13.9						
55.2										55.0	98.2	11.2			
58.0							17.6	82.5	13.2						
60.0										45.5	94.1	10.4			
65.0										33.5	87.8	9.4			
70.0										17.7	78.2	8.4			

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
71.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 41.5 m Plumín 22.0 [ m ] Posición midfall (1916)															
14.3	78.0	114.5	23.5												
16.0	75.5	114.1	23.0												
18.0	72.7	113.5	21.8												
20.0	69.7	112.8	20.7												
22.0	66.7	111.9	19.6												
24.0	63.7	111.0	18.6	73.0	113.0	20.4									
26.0	60.5	109.9	17.8	70.1	112.3	20.0									
28.0	57.3	108.7	16.7	67.1	111.5	19.4									
30.0	53.9	107.2	15.8	64.0	110.5	18.7									
32.0	50.4	105.6	15.1	60.9	109.5	18.1									
34.0	46.6	103.8	14.3	57.7	108.2	17.3									
36.0	42.6	101.7	13.5	54.3	106.8	16.6									
38.0	38.3	99.3	12.8	50.8	105.3	16.1									
39.1							65.0	108.8	17.3						
40.0	33.5	96.5	12.2	47.1	103.5	15.4	63.7	108.4	17.7						
42.0	28.0	93.0	11.7	43.1	101.4	14.7	60.6	107.3	17.1						
44.0	21.2	88.5	11.2	38.8	99.1	14.1	57.3	106.1	16.4						
45.0	16.7	85.5	10.9												
46.0				34.1	96.3	13.5	53.9	104.7	15.6						
48.0				28.7	92.9	12.9	50.4	103.1	15.1						
50.0				22.1	88.5	12.3	46.7	101.2	14.5						
51.0				17.9	85.7	12.0									
55.0							36.1	95.4	13.2						
57.0										55.0	100.7	10.6			
60.0							21.3	86.0	12.2	49.8	98.4	10.1			
61.0							16.9	83.0	12.0						
65.0										39.5	93.0	9.1			
70.0										28.1	86.1	8.2			
73.0										17.0	78.6	7.5			

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
71.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 44.5 m Plumín 25.0 [ m ] Posición midfall (1916)															
14.9	78.0	117.4	21.5												
16.0	76.5	117.2	21.4												
18.0	73.9	116.6	20.4												
20.0	71.1	116.0	19.4												
22.0	68.4	115.2	18.5												
24.0	65.6	114.3	17.5												
24.9				73.0	115.9	18.7									
26.0	62.7	113.3	16.7	71.5	115.5	18.6									
28.0	59.7	112.2	15.9	68.7	114.7	18.1									
30.0	56.7	110.9	15.2	65.9	113.9	17.5									
32.0	53.5	109.5	14.5	63.0	112.9	16.8									
34.0	50.2	107.9	14.0	60.1	111.8	16.3									
36.0	46.7	106.1	13.3	57.0	110.5	15.6									
38.0	43.0	104.0	12.6	53.9	109.1	15.0									
40.0	39.1	101.7	11.9	50.6	107.5	14.5									
40.4							65.0	111.5	16.9						
42.0	34.7	98.9	11.4	47.1	105.7	13.9	62.7	110.7	16.8						
44.0	29.8	95.7	10.9	43.5	103.7	13.3	59.8	109.6	16.1						
46.0	23.9	91.6	10.5	39.5	101.4	12.8	56.7	108.3	15.4						
48.0	16.1	85.9	10.0	35.2	98.7	12.3	53.6	106.9	14.7						
50.0				30.4	95.5	11.8	50.3	105.3	14.2						
54.0				17.2	86.1	10.7									
55.0							41.1	100.3	12.9						
58.7										55.0	103.1	10.0			
60.0							29.8	93.1	12.0	52.8	102.1	9.8			
64.0							16.3	83.4	11.2						
65.0										44.0	97.6	8.8			
70.0										34.8	92.0	8.0			
75.0										20.6	82.1	7.0			
76.0										16.4	79.0	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
71.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 47.5 m Plumín 28.0 [ m ] Posición midfall (1916)															
15.5	78.0	120.4	19.6												
16.0	77.4	120.3	19.6												
18.0	74.9	119.8	18.9												
20.0	72.4	119.1	18.1												
22.0	69.8	118.4	17.4												
24.0	67.2	117.6	16.7												
25.7				73.0	118.7	17.2									
26.0	64.6	116.7	16.1	72.7	118.6	17.2									
28.0	61.8	115.7	15.6	70.1	117.9	16.9									
30.0	59.1	114.5	14.9	67.5	117.1	16.7									
32.0	56.2	113.2	14.1	64.9	116.2	16.2									
34.0	53.2	111.7	13.5	62.2	115.2	15.8									
36.0	50.1	110.1	13.0	59.4	114.1	15.4									
38.0	46.8	108.3	12.3	56.5	112.8	14.9									
40.0	43.4	106.3	11.6	53.5	111.3	14.5									
41.7							65.0	114.3	15.8						
42.0	39.7	104.0	11.1	50.5	109.7	14.1	64.6	114.1	15.8						
44.0	35.7	101.3	10.5	47.2	108.0	13.5	61.9	113.1	15.7						
46.0	31.2	98.2	10.1	43.8	105.9	12.9	59.1	111.9	15.1						
48.0	26.1	94.4	9.7	40.1	103.7	12.3	56.2	110.6	14.5						
50.0	19.7	89.5	9.3	36.2	101.1	11.9	53.2	109.2	13.9						
51.0	15.6	86.3	9.1												
55.0				23.8	92.2	10.6	45.2	104.7	12.7						
57.0				16.6	86.5	10.1									
60.0							35.7	98.7	11.7						
60.4										55.0	105.6	9.4			
65.0							23.2	89.6	10.8	48.6	102.3	8.5			
67.0							15.7	83.8	10.5						
70.0										39.8	97.0	7.7			
75.0										28.9	89.5	6.7			
79.0										15.8	79.4	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 ]: 114.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
71.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 50.5 m Plumín 19.0 [ m ] Posición midfall (1916)															
16.1	78.0	123.3	18.0												
18.0	75.8	122.9	17.7												
20.0	73.5	122.3	17.1												
22.0	71.1	121.6	16.4												
24.0	68.6	120.9	15.9												
26.0	66.2	120.0	15.5												
26.6				73.0	121.6	15.9									
28.0	63.7	119.0	15.2	71.4	121.1	15.9									
30.0	61.1	118.0	14.9	68.9	120.4	15.7									
32.0	58.4	116.8	14.0	66.5	119.5	15.5									
34.0	55.7	115.5	13.3	64.0	118.6	15.3									
36.0	52.9	114.0	12.6	61.4	117.5	15.1									
38.0	50.0	112.4	12.1	58.7	116.4	14.7									
40.0	46.9	110.5	11.5	56.0	115.0	14.4									
42.0	43.7	108.5	10.9	53.2	113.6	14.1									
42.9							65.0	117.0	14.4						
44.0	40.3	106.2	10.3	50.3	112.0	13.8	63.7	116.5	15.0						
46.0	36.5	103.7	9.9	47.3	110.2	13.2	61.1	115.4	14.8						
48.0	32.5	100.7	9.5	44.1	108.2	12.6	58.5	114.2	14.3						
50.0	27.9	97.2	9.1	40.7	106.0	12.0	55.8	112.9	13.8						
54.0	15.1	86.7	8.4												
55.0				30.8	98.8	10.8	48.5	108.9	12.5						
60.0				16.1	87.0	9.6	40.3	103.7	11.5						
62.1										55.0	108.1	8.9			
65.0							30.3	96.4	10.7	50.8	105.8	8.4			
70.0							15.2	84.2	9.9	43.8	101.5	7.6			
75.0										34.7	95.3	6.7			
80.0										22.5	85.9	5.8			
82.0										15.3	79.8	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 ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 38.5 m Plumín 16.0 [ m ] Posición midfall (2316)															
11.9	78.0	60.6	61.6												
12.0	77.8	60.6	61.6												
13.0	76.3	60.3	58.5												
14.0	74.7	60.1	50.5												
16.0	71.6	59.4	39.9												
16.9				73.0	59.5	46.5									
18.0	68.4	58.7	33.7	71.3	59.1	44.7									
20.0	65.2	57.8	27.9	68.1	58.4	36.1									
22.0	61.7	56.7	24.5	64.8	57.5	29.5									
24.0	58.2	55.5	21.5	61.3	56.4	25.9									
24.7							65.0	56.8	33.0						
26.0	54.7	54.2	19.1	57.8	55.1	22.4	62.8	56.2	30.9						
28.0	51.0	52.6	17.5	54.1	53.7	19.6	59.2	55.0	26.9						
30.0	47.0	50.8	16.0	50.6	52.2	17.9	55.6	53.6	23.3						
32.0	42.7	48.8	14.6	46.5	50.4	16.4	51.9	52.1	20.4						
33.7										55.0	52.0	20.9			
34.0	38.0	46.3	13.5	42.2	48.3	15.1	48.2	50.5	18.5	54.4	51.8	20.9			
36.0	33.7	43.9	12.8	38.3	46.3	14.1	44.0	48.5	16.9	50.6	50.2	18.0			
38.0	27.7	40.5	11.8	33.1	43.4	13.4	39.5	46.2	15.5	46.8	48.5	16.1			
40.0	18.5	34.8	10.9	27.0	39.8	12.3	35.3	44.0	14.9	42.5	46.4	14.4			
42.0				19.1	34.9	11.2	29.6	40.7	13.7	38.7	44.4	13.2			
44.0							22.6	36.5	12.4	33.5	41.6	12.4			
45.0							18.2	33.7	11.8						
46.0										27.5	38.1	11.3			
48.0										19.8	33.3	10.2			
48.6													35.0	38.0	13.7
50.0													32.7	36.7	14.4
54.0													18.4	28.1	10.9

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 41.5 m Plumín 19.0 [ m ] Posición midfall (2316)															
12.5	78.0	63.5	56.4												
13.0	77.3	63.4	56.4												
14.0	75.9	63.2	50.3												
16.0	73.0	62.6	40.7												
17.8				73.0	62.4	43.1									
18.0	70.0	61.9	33.0	72.7	62.3	43.1									
20.0	67.1	61.1	27.6	69.7	61.6	35.8									
22.0	63.9	60.1	23.4	66.8	60.8	29.7									
24.0	60.8	59.0	20.9	63.6	59.8	25.1									
25.9							65.0	59.6	30.1						
26.0	57.6	57.8	18.7	60.4	58.7	22.4	64.9	59.5	30.1						
28.0	54.3	56.4	17.0	57.1	57.4	19.6	61.7	58.5	27.3						
30.0	50.8	54.9	15.7	53.9	56.1	17.5	58.5	57.3	23.6						
32.0	47.1	53.1	14.4	50.4	54.5	16.1	55.1	55.9	20.5						
34.0	43.1	51.0	13.3	46.7	52.6	14.8	51.6	54.4	18.2						
35.4										55.0	54.5	18.6			
36.0	39.6	49.1	12.2	42.7	50.6	13.7	48.2	52.7	16.7	54.0	54.0	18.5			
38.0	34.9	46.4	11.4	39.1	48.6	12.8	44.3	50.8	15.4	50.7	52.5	16.1			
40.0	28.7	42.5	10.7	34.4	45.8	12.1	40.2	48.5	14.2	47.6	51.0	15.1			
42.0	22.0	38.1	10.0	29.0	42.5	11.1	36.4	46.3	13.6	43.7	49.0	13.6			
43.0	17.8	35.2	9.6												
44.0				21.2	37.4	10.3	31.3	43.3	12.5	39.4	46.7	12.2			
45.0				16.8	34.3	9.9									
46.0							25.3	39.4	11.4	34.8	44.0	11.1			
48.0							17.5	34.1	10.3	29.5	40.7	10.1			
50.0										21.8	35.7	9.3			
51.0										17.5	32.8	8.9			
51.1													35.0	39.8	12.2
55.0													25.5	33.8	10.8
57.0													17.7	28.5	9.4

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de roldas- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de roldas- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de roldas- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de roldas- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de roldas- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 44.5 m Plumín 22.0 [ m ] Posición midfall (2316)															
13.1	78.0	66.5	51.5												
14.0	76.8	66.3	50.1												
16.0	74.2	65.7	40.4												
18.0	71.5	65.1	32.7												
18.7				73.0	65.2	39.2									
20.0	68.7	64.3	28.5	71.2	64.8	36.5									
22.0	65.8	63.4	23.9	68.4	64.0	30.1									
24.0	62.9	62.4	20.4	65.5	63.1	25.8									
26.0	59.9	61.3	18.2	62.6	62.1	22.2									
27.2							65.0	62.3	28.6						
28.0	57.0	60.1	16.7	59.6	61.0	19.6	63.8	61.9	28.2						
30.0	53.9	58.7	15.3	56.7	59.7	17.5	60.9	60.8	23.8						
32.0	51.1	57.4	14.9	53.5	58.3	15.9	57.8	59.5	20.9						
34.0	47.7	55.6	13.6	50.8	57.0	14.8	54.7	58.2	18.3						
36.0	44.1	53.6	12.4	47.3	55.2	13.7	51.6	56.7	16.6						
37.1										55.0	56.9	16.8			
38.0	40.2	51.4	11.3	43.7	53.2	12.6	48.2	55.0	15.3	53.8	56.4	16.5			
40.0	35.2	48.3	10.5	39.8	50.9	11.7	44.6	53.0	14.1	51.0	55.0	14.7			
42.0	30.4	45.1	9.9	34.7	47.7	11.0	41.4	51.2	13.0	47.6	53.3	14.1			
44.0	24.6	41.1	9.3	29.8	44.5	10.3	37.3	48.7	12.3	44.0	51.3	12.6			
46.0	17.2	35.7	8.6	24.0	40.4	9.6	32.7	45.7	11.4	40.1	49.0	11.2			
48.0				16.2	34.7	8.9	26.5	41.5	10.6	35.8	46.4	10.0			
50.0							19.7	36.7	9.7	30.2	42.7	9.3			
51.0							15.3	33.4	9.3						
53.5													35.0	41.5	11.0
54.0										16.9	33.2	8.0			
55.0													32.8	40.1	11.2
60.0													15.5	27.8	8.4

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 47.5 m Plumín 25.0 [ m ] Posición midfall (2316)															
13.7	78.0	69.4	46.9												
14.0	77.7	69.4	46.9												
16.0	75.2	68.8	39.9												
18.0	72.7	68.2	32.5												
19.5				73.0	68.1	35.6									
20.0	70.1	67.5	27.2	72.4	68.0	35.6									
22.0	67.5	66.7	23.8	69.8	67.2	29.6									
24.0	64.8	65.8	20.3	67.2	66.4	25.9									
26.0	62.1	64.8	17.8	64.5	65.5	22.1									
28.0	59.4	63.7	16.3	61.8	64.4	19.4									
28.5							65.0	65.0	26.0						
30.0	56.5	62.4	14.9	58.9	63.3	17.3	62.9	64.2	24.4						
32.0	53.5	60.9	13.8	56.2	62.0	15.6	60.1	63.1	20.8						
34.0	51.0	59.6	13.3	53.7	60.8	14.4	57.2	61.8	18.4						
36.0	47.7	57.9	12.2	50.6	59.2	13.8	54.4	60.5	16.5						
38.0	44.4	55.9	11.1	47.4	57.4	12.7	51.9	59.2	15.1						
38.8										55.0	59.4	15.2			
40.0	40.1	53.3	10.2	44.0	55.4	11.6	48.7	57.5	14.4	53.9	58.9	15.1			
42.0	36.2	50.6	9.5	39.7	52.8	10.7	45.4	55.6	13.2	50.9	57.3	14.1			
44.0	31.8	47.6	9.0	35.7	50.1	10.0	41.9	53.5	12.1	47.6	55.5	12.6			
46.0	26.7	43.9	8.4	31.3	47.0	9.4	38.0	51.0	11.2	44.3	53.5	11.3			
48.0	20.5	39.2	7.9	26.1	43.3	8.8	33.1	47.7	10.4	40.6	51.3	10.0			
49.0	16.6	36.1	7.6												
50.0				19.8	38.4	8.2	28.3	44.2	9.7	36.0	48.3	9.1			
51.0				15.7	35.1	7.8									
54.0							16.3	35.0	7.8						
55.0										23.6	39.3	7.6			
56.0													35.0	43.2	9.9
57.0															
60.0										16.3	33.6	7.0			
63.0													25.7	36.5	8.6
													16.5	29.4	7.0

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 50.5 m Plumín 28.0 [ m ] Posición midfall (2316)															
14.4	78.0	72.3	44.2												
16.0	76.1	72.0	40.1												
18.0	73.7	71.4	32.6												
20.0	71.3	70.7	26.7												
20.4				73.0	71.0	32.7									
22.0	68.9	70.0	23.6	71.1	70.4	30.3									
24.0	66.4	69.1	20.3	68.6	69.7	25.6									
26.0	63.9	68.2	17.7	66.2	68.8	22.2									
28.0	61.4	67.1	16.0	63.6	67.8	19.3									
29.7							65.0	67.7	23.9						
30.0	58.7	65.9	14.7	61.0	66.8	17.3	64.6	67.6	23.9						
32.0	56.0	64.6	13.6	58.5	65.6	15.6	62.1	66.5	21.3						
34.0	53.7	63.4	12.6	55.7	64.3	14.2	59.4	65.4	18.6						
36.0	50.8	61.8	12.0	53.4	63.1	13.1	56.9	64.2	16.7						
38.0	47.8	60.1	11.0	50.5	61.5	12.4	54.1	62.7	15.0						
40.0	44.1	57.8	10.1	47.4	59.7	11.4	51.7	61.5	14.1						
40.6										55.0	61.8	13.9			
42.0	40.6	55.5	9.4	44.3	57.7	10.5	48.7	59.7	13.2	53.6	61.1	14.7			
44.0	37.0	53.0	8.8	40.3	55.1	9.9	45.6	57.8	12.1	50.7	59.5	12.8			
46.0	32.9	50.1	8.3	36.6	52.5	9.3	42.3	55.7	11.1	47.7	57.8	11.4			
48.0	28.4	46.6	7.8	32.5	49.5	8.7	38.1	52.9	10.3	44.5	55.8	10.2			
50.0	23.1	42.3	7.3	27.9	46.0	8.2	34.2	50.1	9.6	41.1	53.6	9.1			
52.0	16.1	36.5	6.8												
54.0				15.2	35.5	7.0									
55.0							21.9	40.5	8.0	30.6	46.0	7.5			
57.0							15.8	35.4	6.9						
58.4													35.0	44.9	8.9
60.0										15.8	34.0	6.2	32.9	43.4	8.8
65.0													18.6	32.0	6.9
66.0													16.0	29.8	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 ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 53.5 m Plumín 31.0 [ m ] Posición midfall (2316)															
15.0	78.0	75.3	40.6												
16.0	76.9	75.0	39.9												
18.0	74.7	74.5	31.9												
20.0	72.4	73.9	26.8												
21.3				73.0	73.8	30.1									
22.0	70.2	73.2	23.0	72.2	73.6	30.1									
24.0	67.8	72.4	20.0	69.9	72.9	26.0									
26.0	65.5	71.5	17.5	67.6	72.1	22.2									
28.0	63.1	70.5	15.7	65.2	71.2	19.3									
30.0	61.1	69.6	14.7	62.8	70.2	17.0									
31.0							65.0	70.4	22.0						
32.0	58.6	68.4	13.5	60.4	69.1	15.5	63.8	69.9	21.7						
34.0	56.0	67.1	12.4	57.9	67.9	14.0	61.3	68.9	18.7						
36.0	53.4	65.7	11.5	55.3	66.5	12.8	58.9	67.7	16.7						
38.0	50.6	64.1	10.7	53.1	65.3	11.9	56.4	66.4	15.0						
40.0	47.3	62.0	9.9	50.4	63.7	11.1	53.8	65.0	13.6						
42.0	44.3	60.0	9.2	47.5	61.9	10.2	51.5	63.7	12.8						
42.3										55.0	64.3	12.6			
44.0	41.1	57.8	8.5	44.0	59.6	9.5	48.7	62.0	11.9	53.3	63.4	13.1			
46.0	37.7	55.3	7.9	40.8	57.4	8.9	45.7	60.1	10.9	50.6	61.8	11.4			
48.0	34.0	52.5	7.4	37.3	54.8	8.4	42.6	58.0	10.0	47.7	60.0	10.2			
50.0	29.8	49.2	7.0	33.6	52.0	7.9	38.7	55.2	9.4	44.7	58.0	9.1			
55.0	15.6	36.9	5.9	21.8	42.2	6.6	29.0	47.6	7.9	35.8	51.6	7.3			
57.0				16.1	37.2	5.6									
60.0							15.3	35.8	6.0	25.0	42.9	6.1			
60.9													35.0	46.6	8.0
63.0										15.4	34.4	5.4			
65.0													26.7	40.0	7.0
69.0													15.5	30.2	5.4



## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 56.5 m Plumín 22.0 [ m ] Posición midfall (2316)															
15.6	78.0	78.2	37.5												
16.0	77.6	78.1	37.5												
18.0	75.5	77.6	31.9												
20.0	73.4	77.1	27.6												
22.0	71.3	76.4	22.9												
22.2				73.0	76.7	29.1									
24.0	69.1	75.6	19.8	71.0	76.1	26.6									
26.0	66.9	74.8	17.4	68.8	75.3	22.3									
28.0	64.7	73.9	15.5	66.6	74.5	19.4									
30.0	62.8	73.0	14.6	64.4	73.5	17.0									
32.0	60.4	71.9	13.7	62.1	72.5	15.4									
32.3							65.0	73.1	20.4						
34.0	58.1	70.7	12.4	60.2	71.6	14.2	63.0	72.3	19.2						
36.0	55.6	69.4	11.3	57.8	70.4	12.9	60.8	71.2	16.8						
38.0	53.1	67.9	10.4	55.4	69.0	11.8	58.4	70.0	15.2						
40.0	50.1	66.0	9.8	52.9	67.6	10.9	56.4	68.9	13.8						
42.0	47.4	64.3	9.1	50.2	65.9	10.1	53.9	67.5	12.6						
44.0	44.5	62.3	8.4	47.1	63.8	9.4	51.3	65.9	11.7	55.0	66.8	11.6			
46.0	41.5	60.1	7.8	44.2	61.8	8.8	48.6	64.2	10.8	53.0	65.6	11.7			
48.0	38.3	57.7	7.3	41.2	59.6	8.2	45.9	62.3	9.9	50.4	64.0	10.3			
50.0	34.9	54.9	6.8	38.0	57.2	7.7	42.4	59.9	9.3	47.7	62.2	9.2			
55.0	24.4	45.9	5.8	28.6	49.4	6.6	34.1	53.4	7.9	39.8	56.6	7.3			
58.0	15.2	37.3	5.2												
60.0				15.6	37.6	5.0	23.4	44.1	6.6	31.0	49.4	6.1			
62.0							17.4	38.6	6.0						
63.3													35.0	48.4	7.3
65.0										18.6	38.3	5.0	32.3	46.2	7.2
66.0										16.2	36.0	4.5			
70.0													20.8	35.9	5.7
72.0													15.1	30.6	4.8

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 59.5 m Plumín 25.0 [ m ] Posición midfall (2316)															
16.2	78.0	81.2	34.7												
18.0	76.2	80.7	32.0												
20.0	74.3	80.2	27.0												
22.0	72.2	79.6	22.8												
23.0				73.0	79.6	25.7									
24.0	70.2	78.9	19.4	72.0	79.3	26.8									
26.0	68.1	78.1	17.1	70.0	78.6	22.4									
28.0	66.0	77.2	15.3	67.9	77.8	19.4									
30.0	63.9	76.3	13.8	65.8	76.9	17.0									
32.0	62.1	75.4	13.2	63.7	75.9	15.2									
33.5							65.0	75.9	18.9						
34.0	59.9	74.2	12.0	61.9	75.0	14.8	64.5	75.6	18.9						
36.0	57.6	73.0	10.8	59.6	73.9	13.3	62.3	74.6	17.0						
38.0	54.9	71.4	9.9	57.4	72.7	11.9	60.5	73.7	15.1						
40.0	52.5	69.9	9.2	55.0	71.3	10.7	58.3	72.5	14.8						
42.0	50.0	68.3	8.6	52.6	69.8	9.8	56.0	71.2	13.1						
44.0	47.4	66.5	8.0	49.7	67.9	9.1	53.6	69.7	11.7						
45.7										55.0	69.2	10.6			
46.0	44.7	64.5	7.5	47.1	66.1	8.5	51.2	68.2	10.6	54.8	69.1	10.8			
48.0	41.9	62.4	7.0	44.4	64.1	7.9	48.6	66.5	9.7	52.8	67.9	10.4			
50.0	38.9	60.0	6.5	41.6	61.9	7.4	45.5	64.2	9.1	50.3	66.2	9.1			
55.0	30.2	52.6	5.6	33.6	55.3	6.3	38.2	58.6	7.6	43.2	61.1	7.2			
60.0	18.3	41.2	4.7	23.3	45.8	5.3	29.5	51.0	6.5	35.5	54.9	5.9			
61.0	16.0	38.9	4.1												
63.0				15.2	37.9	4.3									
65.0							17.0	39.0	5.2	26.0	46.3	4.9			
65.8													35.0	50.1	6.5
69.0										15.8	36.4	3.8			
70.0													27.5	43.4	5.7
74.0													17.1	33.4	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 ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 62.5 m Plumín 28.0 [ m ] Posición midfall (2316)															
16.9	78.0	84.1	32.3												
18.0	76.9	83.8	32.1												
20.0	75.1	83.3	26.7												
22.0	73.1	82.7	22.9												
23.9				73.0	82.5	25.0									
24.0	71.2	82.0	19.3	72.9	82.4	25.0									
26.0	69.2	81.3	16.8	71.0	81.8	22.9									
28.0	67.2	80.5	15.1	69.0	81.0	19.4									
30.0	65.2	79.6	13.6	67.0	80.2	17.1									
32.0	63.5	78.8	12.5	65.0	79.3	15.2									
34.0	61.5	77.7	11.8	63.3	78.4	13.9									
34.8							65.0	78.6	17.6						
36.0	59.3	76.5	10.6	61.2	77.4	13.3	63.8	78.0	17.5						
38.0	57.2	75.3	9.6	59.1	76.2	11.9	61.7	77.0	15.3						
40.0	54.6	73.7	8.9	56.9	74.9	10.7	60.0	76.0	14.2						
42.0	52.3	72.2	8.2	54.7	73.5	9.6	57.8	74.8	13.3						
44.0	49.9	70.5	7.7	52.0	71.8	9.0	55.6	73.4	11.8						
46.0	47.4	68.7	7.2	49.7	70.1	8.4	53.4	72.0	10.6						
47.4										55.0	71.7	9.8			
48.0	44.9	66.8	6.7	47.2	68.3	7.8	51.0	70.4	9.6	54.9	71.6	10.1			
50.0	42.2	64.6	6.3	44.6	66.3	7.3	48.2	68.4	9.0	52.6	70.1	9.4			
55.0	34.7	58.2	5.3	37.6	60.5	6.2	41.6	63.3	7.5	46.1	65.4	7.3			
60.0	25.4	49.4	4.6	29.1	52.8	5.2	34.1	56.7	6.4	39.3	59.9	5.8			
64.0	15.6	39.3	3.6												
65.0				17.1	40.7	4.3	24.6	47.7	5.3	31.2	52.7	4.8			
68.0							16.5	39.4	4.6						
68.3													35.0	51.8	5.8
70.0										20.5	42.2	3.9	32.5	49.5	5.8
72.0										15.4	36.8	3.3			
75.0													22.3	39.6	4.6
77.0													16.7	33.8	4.2

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 65.5 m Plumín 31.0 [ m ] Posición midfall (2316)															
17.5	78.0	87.0	29.8												
18.0	77.6	86.9	29.8												
20.0	75.8	86.4	26.9												
22.0	73.9	85.9	22.6												
24.0	72.1	85.2	19.2												
24.8				73.0	85.3	23.3									
26.0	70.2	84.5	16.6	71.9	84.9	23.3									
28.0	68.3	83.7	14.9	70.0	84.2	19.6									
30.0	66.4	82.9	13.4	68.1	83.4	17.0									
32.0	64.8	82.1	12.2	66.2	82.6	15.1									
34.0	62.9	81.1	11.2	64.3	81.6	13.6									
36.0	60.9	80.0	10.3	62.7	80.8	12.7									
36.1							65.0	81.3	16.2						
38.0	58.5	78.6	9.4	60.7	79.7	11.7	63.2	80.4	15.5						
40.0	56.4	77.3	8.6	58.6	78.5	10.5	61.5	79.5	14.2						
42.0	54.3	75.9	7.9	56.6	77.2	9.5	59.5	78.3	13.1						
44.0	52.1	74.4	7.3	54.1	75.6	8.7	57.4	77.1	11.9						
46.0	49.8	72.8	6.8	51.9	74.0	8.1	55.3	75.7	10.6						
48.0	47.5	71.0	6.4	49.6	72.4	7.5	53.1	74.2	9.5						
49.2										55.0	74.1	9.0			
50.0	45.0	69.0	6.0	47.2	70.6	7.0	50.5	72.4	8.8	54.2	73.6	9.1			
55.0	38.4	63.3	5.0	40.9	65.3	5.9	44.5	67.7	7.3	48.6	69.6	7.1			
60.0	30.6	55.9	4.3	33.6	58.6	5.0	37.8	61.9	6.1	42.4	64.6	5.7			
65.0	20.2	45.1	3.6	24.4	49.4	4.1	29.9	54.3	5.2	35.4	58.2	4.6			
67.0	15.2	39.7	3.0												
68.0				16.7	41.2	3.6									
70.0							19.1	43.1	4.2	26.8	49.8	3.8			
70.7													35.0	53.5	5.2
71.0							16.1	39.8	3.9						
75.0										15.0	37.2	2.7	28.1	46.8	4.6
80.0													16.3	34.2	3.5

## Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 68.5 m Plumín 34.0 [ m ] Posición midfall (2316)															
18.1	78.0	90.0	27.6												
20.0	76.4	89.5	26.4												
22.0	74.7	89.0	22.2												
24.0	72.9	88.4	19.1												
25.7				73.0	88.2	22.0									
26.0	71.1	87.7	16.5	72.7	88.1	22.0									
28.0	69.6	87.1	15.1	70.9	87.4	20.0									
30.0	67.8	86.3	13.8	69.1	86.7	17.1									
32.0	66.0	85.4	12.3	67.4	85.9	15.2									
34.0	64.2	84.5	11.1	65.8	85.1	13.6									
36.0	62.3	83.4	10.1	64.0	84.2	12.4									
37.3							65.0	84.0	15.1						
38.0	60.0	82.1	9.3	62.1	83.1	11.6	64.4	83.7	15.2						
40.0	58.1	80.9	8.5	60.2	82.0	10.5	62.9	82.9	15.1						
42.0	56.1	79.6	7.8	58.2	80.8	9.4	60.9	81.8	13.4						
44.0	54.0	78.2	7.2	55.9	79.2	8.6	59.0	80.6	12.0						
46.0	51.9	76.6	6.7	53.8	77.8	7.9	57.0	79.3	10.8						
48.0	49.8	75.0	6.2	51.7	76.3	7.4	55.0	78.0	9.6						
50.0	47.5	73.2	5.8	49.5	74.6	6.9	52.6	76.2	8.7						
50.9										55.0	76.6	8.3			
55.0	41.5	68.0	4.9	43.7	69.8	5.7	47.1	71.9	7.2	50.8	73.5	7.2			
60.0	34.6	61.5	4.2	37.2	63.8	4.8	41.0	66.7	6.0	45.1	68.9	5.7			
65.0	26.3	52.9	3.5	29.5	56.1	4.1	34.0	60.1	5.1	38.8	63.3	4.5			
69.0	17.0	42.5	3.0												
70.0				19.2	44.8	3.3	25.5	51.1	4.2	31.4	56.0	3.7			
71.0				16.4	41.6	3.1									
73.2													35.0	55.3	4.7
74.0							15.8	40.3	3.4						
75.0										22.0	45.9	2.9	32.6	52.8	4.6
77.0										16.8	40.1	2.6			
80.0													23.5	43.2	3.6
83.0													15.9	34.7	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 ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 71.5 m Plumín 37.0 [ m ] Posición midfall (2316)															
18.7	78.0	92.9	25.7												
20.0	77.0	92.6	25.7												
22.0	75.3	92.1	21.9												
24.0	73.6	91.5	18.9												
26.0	72.0	90.9	16.3												
26.5				73.0	91.1	20.2									
28.0	70.5	90.3	14.5	71.8	90.6	20.6									
30.0	68.8	89.5	13.9	70.1	89.9	17.4									
32.0	67.1	88.7	12.3	68.6	89.2	15.1									
34.0	65.3	87.8	10.9	66.9	88.4	14.1									
36.0	63.5	86.8	9.8	65.1	87.5	12.6									
38.0	61.4	85.6	9.0	63.4	86.5	11.3									
38.6							65.0	86.7	14.1						
40.0	59.6	84.4	8.2	61.5	85.4	10.3	64.1	86.2	14.8						
42.0	57.7	83.2	7.5	59.7	84.3	9.3	62.3	85.2	13.7						
44.0	55.8	81.9	6.9	57.5	82.9	8.4	60.4	84.1	12.0						
46.0	53.8	80.4	6.4	55.6	81.5	7.7	58.6	82.9	10.8						
48.0	51.8	78.9	5.9	53.6	80.1	7.1	56.7	81.6	9.6						
50.0	49.7	77.2	5.5	51.6	78.5	6.5	54.4	80.0	8.6						
52.6										55.0	79.0	7.5			
55.0	44.2	72.5	4.6	46.2	74.1	5.5	49.3	76.0	7.0	52.7	77.4	7.2			
60.0	38.0	66.7	3.8	40.3	68.7	4.5	43.7	71.2	5.8	47.5	73.1	5.6			
65.0	30.8	59.2	3.2	33.6	61.9	3.8	37.5	65.2	4.8	41.7	68.0	4.4			
70.0	21.6	48.9	2.6	25.3	52.9	3.1	30.2	57.7	4.0	35.2	61.6	3.5			
72.0	16.6	43.0	2.4												
74.0				16.0	42.0	2.5									
75.0							20.7	46.9	3.1	27.4	53.2	2.8			
75.6													35.0	57.0	4.1
77.0							15.4	40.7	2.8						
80.0													28.6	50.2	3.5
85.0													18.4	38.4	2.5
86.0													15.6	35.1	2.3

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 74.5 m Plumín 40.0 [ m ] Posición midfall (2316)															
19.3	78.0	95.8	24.2												
20.0	77.5	95.7	24.2												
22.0	75.9	95.2	21.9												
24.0	74.3	94.6	18.6												
26.0	72.7	94.0	16.2												
27.4				73.0	93.9	19.7									
28.0	71.1	93.4	14.3	72.5	93.8	19.7									
30.0	69.7	92.8	13.4	70.9	93.1	18.0									
32.0	68.1	92.0	12.2	69.3	92.3	15.3									
34.0	66.4	91.1	10.8	67.9	91.7	15.0									
36.0	64.7	90.2	9.6	66.2	90.8	13.1									
38.0	62.7	89.0	8.8	64.5	89.9	11.5									
39.9							65.0	89.5	13.2						
40.0	60.9	87.9	8.1	62.8	88.8	10.2	64.9	89.4	13.2						
42.0	59.1	86.7	7.4	61.0	87.8	9.2	63.5	88.6	13.4						
44.0	57.3	85.5	6.8	59.0	86.4	8.4	61.8	87.5	12.1						
46.0	55.5	84.1	6.2	57.1	85.1	7.6	60.0	86.4	10.7						
48.0	53.6	82.7	5.7	55.3	83.8	7.0	58.2	85.2	9.7						
50.0	51.6	81.1	5.3	53.4	82.3	6.4	56.3	83.9	8.7						
54.3										55.0	81.5	6.9			
55.0	46.5	76.7	4.4	48.4	78.2	5.3	51.2	79.9	6.9	54.5	81.1	7.0			
60.0	40.9	71.4	3.6	43.0	73.2	4.4	46.1	75.5	5.7	49.6	77.1	5.6			
65.0	34.5	64.9	3.0	36.9	67.2	3.6	40.4	70.1	4.7	44.3	72.4	4.4			
70.0	26.9	56.3	2.5	29.9	59.5	3.0	34.0	63.4	3.9	38.4	66.6	3.4			
75.0				20.7	48.7	2.3	26.2	54.6	3.1	31.6	59.4	2.7			
78.1													35.0	58.7	3.6
80.0							15.1	41.0	2.3				32.6	56.1	3.6
85.0													24.5	46.8	2.6

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 77.5 m Plumín 43.0 [ m ] Posición midfall (2316)															
20.0	78.0	98.8	21.4												
22.0	76.5	98.3	20.8												
24.0	75.0	97.8	18.0												
26.0	73.4	97.2	16.0												
28.0	71.8	96.5	14.0												
28.3				73.0	96.8	18.1									
30.0	70.5	96.0	12.8	71.7	96.2	17.9									
32.0	69.0	95.2	11.9	70.1	95.5	15.6									
34.0	67.4	94.4	10.5	68.8	94.9	14.1									
36.0	65.7	93.5	9.3	67.2	94.1	13.1									
38.0	63.8	92.4	8.4	65.6	93.2	11.4									
40.0	62.2	91.3	7.7	63.9	92.2	10.0									
41.1							65.0	92.2	12.0						
42.0	60.5	90.2	7.1	62.3	91.2	8.9	64.6	91.9	12.4						
44.0	58.7	89.0	6.5	60.6	90.1	8.1	62.9	90.9	11.9						
46.0	57.0	87.8	5.9	58.6	88.7	7.4	61.3	89.9	10.7						
48.0	55.2	86.4	5.4	56.8	87.4	6.7	59.6	88.7	9.5						
50.0	53.4	84.9	5.0	55.0	86.0	6.1	57.8	87.5	8.6						
55.0	48.6	80.8	4.1	50.3	82.2	5.0	53.0	83.7	6.7						
56.0										55.0	84.0	6.2			
60.0	43.4	75.9	3.4	45.3	77.6	4.1	48.2	79.6	5.5	51.4	81.1	5.5			
65.0	37.7	70.0	2.8	39.8	72.0	3.3	43.0	74.6	4.5	46.5	76.6	4.3			
70.0	31.1	62.6	2.3	33.6	65.2	2.7	37.2	68.6	3.6	40.9	71.1	3.2			
75.0							30.5	61.0	2.9	35.1	64.9	2.5			
80.0							22.0	50.7	2.2						
80.5													35.0	60.4	3.1
85.0													29.0	53.5	2.6
88.0													24.6	48.2	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 ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 80.5 m Plumín 34.0 [ m ] Posición midfall (2316)															
20.6	78.0	101.7	19.5												
22.0	77.0	101.4	19.5												
24.0	75.5	100.9	17.7												
26.0	74.0	100.3	15.8												
28.0	72.5	99.7	14.0												
29.2				73.0	99.7	17.0									
30.0	71.3	99.1	12.6	72.4	99.4	17.0									
32.0	69.8	98.4	11.5	70.9	98.7	16.1									
34.0	68.2	97.6	10.4	69.6	98.1	14.0									
36.0	66.7	96.8	9.2	68.1	97.3	13.0									
38.0	64.9	95.7	8.3	66.5	96.5	11.5									
40.0	63.3	94.7	7.5	65.0	95.6	10.1									
42.0	61.7	93.7	6.9	63.4	94.6	8.9									
42.4							65.0	94.9	11.3						
44.0	60.0	92.5	6.3	61.5	93.3	8.0	64.0	94.3	11.5						
46.0	58.4	91.3	5.8	59.9	92.2	7.3	62.4	93.3	10.7						
48.0	56.7	90.0	5.3	58.2	91.0	6.6	60.8	92.2	9.5						
50.0	55.0	88.7	4.8	56.5	89.7	6.0	59.2	91.0	8.6						
55.0	50.5	84.8	3.9	52.1	86.0	4.8	54.6	87.5	6.7						
57.8										55.0	86.4	5.7			
60.0	45.6	80.2	3.2	47.4	81.7	3.9	50.1	83.6	5.4	53.1	84.9	5.5			
65.0	40.4	74.8	2.6	42.3	76.6	3.2	45.2	78.9	4.4	48.5	80.7	4.2			
70.0				36.4	70.2	2.5	39.9	73.4	3.5	43.5	75.8	3.3			
75.0							34.0	66.7	2.8	38.0	70.0	2.4			
80.0							26.8	58.0	2.2						
83.0													35.0	62.1	2.6
85.0													32.4	59.1	2.6
89.0													27.4	53.0	2.0

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 83.5 m Plumín 37.0 [ m ] Posición midfall (2316)															
21.2	78.0	104.6	18.0												
22.0	77.5	104.5	18.0												
24.0	76.0	104.0	17.3												
26.0	74.6	103.4	15.3												
28.0	73.4	102.9	14.5												
30.0	72.0	102.3	12.7												
30.1				73.0	102.5	15.8									
32.0	70.5	101.6	11.2	71.6	101.9	15.6									
34.0	69.1	100.9	10.1	70.4	101.3	14.0									
36.0	67.6	100.0	9.0	68.9	100.6	12.7									
38.0	65.8	99.0	8.1	67.4	99.7	11.6									
40.0	64.3	98.1	7.3	65.9	98.9	10.1									
42.0	62.8	97.1	6.7	64.4	97.9	8.8									
43.7							65.0	97.6	10.4						
44.0	61.2	96.0	6.1	62.6	96.7	7.8	65.0	97.6	10.5						
46.0	59.6	94.8	5.6	61.1	95.7	7.2	63.5	96.7	10.3						
48.0	58.0	93.6	5.1	59.5	94.5	6.5	62.0	95.6	9.4						
50.0	56.4	92.3	4.6	57.9	93.3	5.9	60.1	94.3	8.5						
55.0	52.1	88.7	3.7	53.7	89.8	4.6	56.1	91.1	6.7						
59.5										55.0	88.9	5.0			
60.0	47.6	84.4	3.0	49.3	85.8	3.7	51.8	87.4	5.2	54.7	88.6	5.1			
65.0	42.6	79.1	2.4	44.6	81.0	2.9	47.3	83.1	4.2	50.3	84.7	4.1			
70.0				39.4	75.4	2.3	42.4	78.0	3.3	45.7	80.1	3.2			
75.0							36.9	71.9	2.6	40.6	74.7	2.3			
85.5													35.0	63.9	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 ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 86.5 m Plumín 40.0 [ m ] Posición midfall (2316)															
21.8	78.0	107.6	16.8												
22.0	77.9	107.5	16.8												
24.0	76.5	107.1	16.6												
26.0	75.2	106.5	15.1												
28.0	74.0	106.1	14.3												
30.0	72.6	105.5	12.6												
30.9				73.0	105.4	14.9									
32.0	71.2	104.8	11.1	72.3	105.1	14.9									
34.0	69.8	104.1	9.9	70.9	104.4	14.2									
36.0	68.4	103.3	8.9	69.7	103.8	12.5									
38.0	66.7	102.3	8.0	68.3	103.0	11.4									
40.0	65.3	101.4	7.2	66.8	102.1	10.2									
42.0	63.8	100.4	6.5	65.4	101.2	8.9									
44.0	62.3	99.4	6.0	63.9	100.3	7.8									
44.9							65.0	100.3	9.6						
46.0	60.8	98.3	5.5	62.2	99.1	7.1	64.3	99.8	9.8						
48.0	59.3	97.1	5.0	60.6	98.0	6.4	63.0	99.0	9.3						
50.0	57.7	95.9	4.5	59.1	96.8	5.8	61.3	97.8	8.5						
55.0	53.7	92.4	3.5	55.1	93.5	4.5	57.4	94.7	6.7						
60.0	49.4	88.4	2.8	51.0	89.7	3.6	53.4	91.2	5.1						
61.2										55.0	91.3	4.6			
65.0	44.9	83.7	2.3	46.6	85.3	2.8	49.1	87.2	4.1	52.0	88.6	4.2			
70.0				41.8	80.1	2.1	44.5	82.4	3.2	47.6	84.3	3.1			
75.0							39.3	76.5	2.4	42.9	79.3	2.3			
76.0										41.7	77.9	2.1			
87.9													35.0	65.6	2.0
89.0													34.0	64.3	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 ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 89.5 m Plumín 43.0 [ m ] Posición midfall (2316)															
22.5	78.0	110.5	14.6												
24.0	77.0	110.2	14.6												
26.0	75.7	109.7	13.8												
28.0	74.4	109.1	13.0												
30.0	73.2	108.6	12.0												
31.8				73.0	108.3	13.3									
32.0	71.9	108.0	10.6	72.9	108.2	13.3									
34.0	70.5	107.3	9.4	71.5	107.6	13.1									
36.0	69.2	106.5	8.5	70.2	106.8	12.0									
38.0	67.8	105.7	7.6	69.0	106.2	10.9									
40.0	66.4	104.9	6.8	67.6	105.4	10.2									
42.0	64.7	103.8	6.2	66.2	104.5	8.9									
44.0	63.3	102.8	5.6	64.8	103.6	7.7									
46.0	61.8	101.7	5.1	63.4	102.6	6.8									
46.2							65.0	103.1	8.8						
48.0	60.3	100.6	4.6	61.7	101.4	6.1	64.0	102.4	8.8						
50.0	58.8	99.4	4.2	60.2	100.2	5.5	62.6	101.3	8.2						
55.0	55.0	96.1	3.2	56.4	97.1	4.2	58.6	98.2	6.6						
60.0	50.9	92.2	2.5	52.4	93.4	3.2	54.7	94.9	4.9						
62.9										55.0	93.8	4.0			
65.0				48.2	89.2	2.5	50.6	91.0	3.7	53.4	92.3	3.9			
68.0				45.6	86.4	2.1									
70.0							46.3	86.5	2.9	49.2	88.2	2.9			
75.0							41.6	81.2	2.1	45.2	84.0	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 ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 92.5 m Plumín 46.0 [ m ] Posición midfall (2316)															
23.1	78.0	113.4	13.3												
24.0	77.5	113.2	13.3												
26.0	76.2	112.8	12.9												
28.0	74.9	112.2	12.3												
30.0	73.6	111.6	11.8												
32.0	72.3	111.0	10.4												
32.7				73.0	111.1	12.1									
34.0	71.0	110.3	9.2	72.2	110.7	12.1									
36.0	69.6	109.6	8.3	70.8	110.0	11.8									
38.0	68.3	108.8	7.5	69.5	109.3	10.6									
40.0	67.2	108.1	6.7	68.4	108.7	9.8									
42.0	65.6	107.1	6.0	67.1	107.8	9.0									
44.0	64.2	106.1	5.4	65.7	106.9	7.8									
46.0	62.8	105.1	4.9	64.3	106.0	6.8									
47.5							65.0	105.8	8.2						
48.0	61.4	104.0	4.5	63.0	105.0	6.0	64.6	105.5	8.2						
50.0	60.0	102.9	4.1	61.3	103.7	5.4	63.2	104.5	8.0						
55.0	56.3	99.7	3.1	57.6	100.7	4.1	59.7	101.8	6.5						
60.0	52.4	96.1	2.4	53.9	97.2	3.1	56.0	98.5	5.0						
64.7										55.0	96.2	3.6			
65.0				49.9	93.2	2.4	52.1	94.9	3.7	54.7	96.0	3.6			
67.0				48.2	91.5	2.1									
70.0							48.5	91.1	2.7	50.8	92.1	2.9			
74.0							44.6	86.7	2.1						

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 95.5 m Plumín 49.0 [ m ] Posición midfall (2316)															
23.8	78.0	116.4	12.2												
24.0	77.9	116.3	12.2												
26.0	76.6	115.8	12.0												
28.0	75.4	115.3	11.6												
30.0	74.1	114.8	11.3												
32.0	72.9	114.2	10.2												
33.6				73.0	114.0	11.1									
34.0	71.6	113.5	9.0	72.7	113.9	11.1									
36.0	70.3	112.8	8.0	71.5	113.2	11.0									
38.0	69.0	112.0	7.2	70.2	112.5	10.3									
40.0	67.7	111.2	6.5	68.9	111.7	9.3									
42.0	66.4	110.4	5.8	67.8	111.1	8.6									
44.0	65.1	109.5	5.2	66.5	110.2	7.6									
46.0	63.7	108.5	4.6	65.2	109.3	6.6									
48.0	62.4	107.4	4.2	63.6	108.1	5.9									
48.7							65.0	108.5	7.6						
50.0	61.0	106.3	3.8	62.3	107.1	5.2	64.2	107.9	7.6						
55.0	57.5	103.3	2.8	58.8	104.2	3.9	60.7	105.2	6.3						
60.0				55.2	100.9	2.9	57.5	102.4	4.9						
65.0				51.4	97.1	2.1	53.9	99.0	3.5						
66.4										55.0	98.7	3.1			
70.0							49.7	94.6	2.6	52.3	96.0	2.9			
73.0							47.6	92.4	2.1	49.9	93.5	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 ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 98.5 m Plumín 52.0 [ m ] Posición midfall (2316)															
24.4	78.0	119.3	11.3												
26.0	77.0	118.9	11.2												
28.0	75.8	118.4	10.9												
30.0	74.6	117.9	10.7												
32.0	73.4	117.3	10.1												
34.0	72.2	116.7	8.9												
34.5				73.0	116.9	10.2									
36.0	70.9	116.0	7.8	72.1	116.4	10.2									
38.0	69.7	115.3	7.0	70.8	115.7	10.0									
40.0	68.4	114.5	6.3	69.6	115.0	9.1									
42.0	67.2	113.6	5.6	68.3	114.2	8.4									
44.0	65.9	112.8	5.0	67.1	113.3	7.6									
46.0	64.6	111.8	4.5	65.8	112.4	6.7									
48.0	63.3	110.8	4.0	64.5	111.5	5.8									
50.0	62.0	109.8	3.6	63.2	110.5	5.1	65.0	111.2	7.0						
55.0	58.6	106.9	2.7	60.1	108.0	3.8	61.7	108.7	6.2						
60.0				56.4	104.6	2.8	58.3	105.7	5.0						
64.0				53.5	101.7	2.1									
65.0							55.1	102.7	3.5						
68.1										55.0	101.2	2.7			
70.0							51.2	98.5	2.5	53.6	99.8	2.7			
73.0										51.8	97.8	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 ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 101.5 m Plumín 55.0 [ m ] Posición midfall (2316)															
25.0	78.0	122.2	10.4												
26.0	77.4	122.0	10.4												
28.0	76.3	121.5	10.2												
30.0	75.1	121.0	9.9												
32.0	73.9	120.4	9.7												
34.0	72.7	119.8	8.7												
35.3				73.0	119.8	9.4									
36.0	71.5	119.2	7.6	72.6	119.5	9.4									
38.0	70.3	118.5	6.8	71.4	118.9	9.3									
40.0	69.1	117.7	6.1	70.2	118.2	8.8									
42.0	67.9	116.9	5.4	69.0	117.4	8.1									
44.0	66.7	116.0	4.8	67.8	116.6	7.6									
46.0	65.4	115.1	4.3	66.5	115.7	6.7									
48.0	64.2	114.2	3.8	65.3	114.8	5.8									
50.0	62.9	113.2	3.4	64.0	113.9	5.0									
51.3							65.0	113.9	6.4						
55.0	59.9	110.6	2.4	60.8	111.2	3.7	62.6	112.1	6.0						
57.0	58.6	109.4	2.1												
60.0				57.8	108.4	2.6	59.4	109.2	4.8						
63.0				55.5	106.1	2.1									
65.0							56.3	106.3	3.5						
69.8										55.0	103.6	2.3			
70.0							52.8	102.7	2.3	54.9	103.5	2.3			
71.0							51.8	101.6	2.2						
73.0										52.8	101.3	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 ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 104.5 m Plumín 46.0 [ m ] Posición midfall (2316)															
25.6	78.0	125.2	9.7												
26.0	77.8	125.1	9.7												
28.0	76.7	124.6	9.6												
30.0	75.5	124.1	9.4												
32.0	74.4	123.6	9.1												
34.0	73.2	123.0	8.5												
36.0	72.1	122.3	7.5												
36.2				73.0	122.6	8.7									
38.0	70.9	121.6	6.6	72.0	122.0	8.7									
40.0	69.7	120.9	5.9	70.8	121.4	8.6									
42.0	68.6	120.1	5.3	69.6	120.6	7.9									
44.0	67.4	119.3	4.7	68.4	119.8	7.4									
46.0	66.2	118.4	4.2	67.3	119.0	6.8									
48.0	65.2	117.7	3.6	66.1	118.1	5.9									
50.0	63.7	116.5	3.2	64.8	117.2	5.1									
52.5							65.0	116.6	5.9						
55.0	60.6	113.9	2.3	61.7	114.6	3.6	63.5	115.4	5.8						
56.0	60.2	113.5	2.1												
60.0				58.8	112.0	2.5	60.4	112.7	4.6						
62.0				57.5	110.7	2.1									
65.0							57.4	109.9	3.5						
70.0							54.1	106.5	2.3						
71.0							53.4	105.7	2.1						

### Cargas pluma principal + plumín abatible + midfall

Nº de ident.: 9842523/95738/  
 Radio de descarga: 360 °  
 Valor de vuelco: 2 - Vía ancha  
 Lastre trasero [ t ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 107.5 m Plumín 49.0 [ m ] Posición midfall (2316)															
26.3	78.0	128.1	8.7												
28.0	77.0	127.7	8.7												
30.0	75.9	127.2	8.5												
32.0	74.8	126.7	8.2												
34.0	73.7	126.1	8.0												
36.0	72.6	125.5	7.1												
37.1				73.0	125.5	7.7									
38.0	71.5	124.8	6.3	72.5	125.2	7.7									
40.0	70.3	124.1	5.6	71.4	124.5	7.7									
42.0	69.2	123.4	5.1	70.2	123.8	7.3									
44.0	68.0	122.6	4.5	69.1	123.1	6.9									
46.0	66.9	121.7	3.9	67.9	122.3	6.6									
48.0	65.7	120.8	3.4	66.8	121.4	5.8									
50.0	64.5	119.9	3.0	65.6	120.5	5.0									
53.8							65.0	119.4	5.3						
55.0	61.5	117.3	2.1	62.6	118.0	3.4	64.3	118.8	5.3						
60.0				59.8	115.5	2.3	61.3	116.2	4.4						
61.0				58.9	114.6	2.2									
65.0							58.4	113.5	3.5						
70.0							55.2	110.2	2.2						
71.0							54.6	109.5	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 ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
20.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 110.5 m Plumín 52.0 [ m ] Posición midfall (2316)															
26.9	78.0	131.0	7.9												
28.0	77.4	130.8	7.9												
30.0	76.3	130.3	7.7												
32.0	75.3	129.8	7.5												
34.0	74.2	129.2	7.3												
36.0	73.1	128.6	6.7												
38.0	72.0	128.0	5.9	73.0	128.4	7.0									
40.0	70.9	127.3	5.3	71.9	127.7	7.0									
42.0	69.8	126.6	4.8	70.8	127.0	6.8									
44.0	68.7	125.8	4.3	69.7	126.3	6.5									
46.0	67.6	125.0	3.8	68.6	125.5	6.2									
48.0	66.6	124.3	3.2	67.4	124.7	5.8									
50.0	65.3	123.2	2.8	66.3	123.8	5.0									
55.1				63.4	121.4	3.3									
60.0							65.0	122.1	4.8						
61.0				60.7	118.9	2.2	62.1	119.6	4.3						
65.0				60.1	118.4	2.0									
70.0							59.4	117.0	3.3						
							56.3	113.8	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 ]: 104.0  
 Lastre central [ t ]: 52.6

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

Alcan- ce [ m ]	88° Ángulo de pluma principal			83° Ángulo de pluma principal			75° Ángulo de pluma principal			65° Ángulo de pluma principal			45° Ángulo de pluma principal		
	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]	Ángu- o de plumín [ ° ]	Altura de rolda- nas [ m ]	Carga [ t ]
23.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 38.5 m Plumín 16.0 [ m ] Posición midfall (2316)															
12.0	78.0	63.6	64.7												
13.0	76.4	63.4	62.9												
14.0	74.9	63.1	58.4												
16.0	71.8	62.5	49.1												
17.3				73.0	62.5	53.4									
18.0	68.6	61.7	42.6	71.8	62.2	53.2									
20.0	65.3	60.8	35.2	68.7	61.5	46.4									
22.0	61.9	59.8	30.1	65.4	60.6	38.8									
24.0	58.4	58.6	26.6	62.1	59.6	33.0									
25.4							65.0	59.7	30.1						
26.0	54.7	57.2	23.6	58.6	58.4	28.7	64.1	59.5	42.0						
28.0	51.2	55.7	21.5	55.0	57.1	25.3	60.7	58.4	37.0						
30.0	47.2	53.9	19.7	51.0	55.4	23.0	57.2	57.1	32.7						
32.0	42.9	51.9	18.1	47.3	53.7	21.0	53.6	55.7	28.2						
34.0	38.3	49.5	16.7	43.0	51.7	19.3	49.4	54.0	25.6						
34.9										55.0	54.7	29.6			
36.0	33.0	46.6	15.5	38.4	49.3	17.9	45.3	52.0	23.0	53.0	53.9	28.9			
38.0	26.9	43.0	14.6	33.2	46.4	16.7	41.3	50.1	20.9	49.1	52.2	24.8			
40.0	19.0	38.1	13.6	27.1	42.9	15.5	36.4	47.5	19.2	44.9	50.3	21.7			
41.0	15.5	35.8	13.0												
42.0				19.3	38.0	14.3	31.0	44.4	17.8	40.9	48.3	19.2			
43.0				15.8	35.8	13.7									
44.0							24.4	40.5	16.4	36.0	45.7	17.3			
46.0							15.2	34.6	14.9	30.5	42.5	15.9			
48.0										23.7	38.5	14.6			
50.0										16.1	33.7	13.4			
50.7													35.0	40.2	17.2
55.0													22.0	32.4	15.4
56.0													19.0	30.6	15.0