

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 89.0 m Plumín															
22.7	78.0	119.0	17.3												
24.0	77.2	118.7	17.3												
26.0	75.8	118.2	16.8												
28.0	74.5	117.7	16.4												
30.0	73.1	117.1	16.0												
32.0	71.8	116.4	15.6												
32.8				73.0	116.7	15.9									
34.0	70.4	115.7	15.3	72.2	116.3	15.9									
36.0	69.0	115.0	15.0	70.8	115.6	15.7									
38.0	67.6	114.1	13.9	69.4	114.9	15.3									
40.0	66.2	113.3	12.9	68.0	114.1	15.0									
42.0	64.8	112.3	12.0	66.6	113.3	14.6									
44.0	63.3	111.4	11.2	65.2	112.3	14.3									
46.0	61.9	110.3	10.5	63.8	111.4	14.0									
48.0	60.4	109.2	9.8	62.3	110.3	13.7									
48.3							65.0	111.3	14.1						
50.0	58.9	108.0	9.1	60.8	109.2	13.4	63.8	110.5	14.0						
55.0	55.0	104.7	7.5	57.0	106.1	11.5	60.1	107.8	13.5						
60.0	50.9	100.8	6.2	53.1	102.6	10.0	56.3	104.6	12.8						
65.0	46.6	96.4	5.2	48.9	98.5	8.6	52.3	100.9	12.0						
66.4										55.0	101.5	10.6			
70.0	41.9	91.1	4.2	44.4	93.7	7.0	48.0	96.7	11.1	52.5	99.2	9.7			
75.0	36.8	84.9	3.5	39.5	88.0	5.7	43.5	91.7	9.5	48.3	95.0	8.5			
80.0	30.9	77.4	2.9	34.1	81.2	4.6	38.5	85.9	8.2	43.8	90.2	7.3			
85.0	23.8	67.5	2.3	27.7	72.7	3.8	32.9	78.8	7.0	38.9	84.4	6.2			
90.0				19.5	61.0	2.9	26.3	69.8	5.8	33.4	77.5	5.3			
92.0				15.1	54.4	2.5									
95.0							17.5	57.1	4.5	26.9	68.8	4.4			
96.0							15.2	53.6	4.2						
96.3													35.0	73.4	2.1
97.0													34.9	73.2	2.0
100.0										18.4	56.6	3.6			
101.0										16.2	53.3	3.5			

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 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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 92.0 m Plumín															
23.4	78.0	121.9	15.9												
24.0	77.6	121.8	15.9												
26.0	76.3	121.3	15.6												
28.0	75.0	120.8	15.2												
30.0	73.7	120.2	14.9												
32.0	72.4	119.6	14.5												
33.7				73.0	119.6	14.7									
34.0	71.1	118.9	14.1	72.8	119.5	14.6									
36.0	69.7	118.2	13.8	71.5	118.8	14.5									
38.0	68.4	117.4	13.3	70.1	118.1	14.2									
40.0	67.0	116.6	12.3	68.8	117.3	13.8									
42.0	65.7	115.7	11.5	67.4	116.5	13.5									
44.0	64.3	114.7	10.8	66.1	115.6	13.2									
46.0	62.9	113.7	10.1	64.7	114.7	12.8									
48.0	61.5	112.6	9.6	63.3	113.7	12.5									
49.6							65.0	114.0	12.7						
50.0	60.0	111.5	8.9	61.9	112.7	12.3	64.7	113.8	12.7						
55.0	56.3	108.3	7.3	58.2	109.7	10.9	61.2	111.2	12.3						
60.0	52.5	104.7	6.0	54.5	106.3	9.6	57.5	108.2	11.6						
65.0	48.4	100.5	5.0	50.5	102.4	8.5	53.7	104.7	10.9						
68.2										55.0	104.0	9.9			
70.0	44.0	95.6	4.1	46.3	97.9	7.0	49.7	100.7	10.4	53.9	103.0	9.5			
75.0	39.3	89.9	3.2	41.8	92.6	5.6	45.5	96.1	9.1	50.0	99.0	8.3			
80.0	34.0	83.0	2.6	36.8	86.4	4.5	40.9	90.6	7.8	45.7	94.5	7.1			
85.0	27.8	74.5	2.1	31.1	78.9	3.7	35.8	84.2	6.8	41.2	89.1	6.0			
90.0				24.3	69.2	2.8	29.9	76.3	5.7	36.2	82.8	5.1			
94.0				17.1	58.3	2.2									
95.0							22.8	66.0	4.6	30.4	75.1	4.2			
99.0							16.4	56.3	3.4						
100.0										23.5	65.1	3.4			
104.0										16.0	53.7	2.8			

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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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 95.0 m Plumín															
24.0	78.0	124.9	14.5												
26.0	76.7	124.4	14.4												
28.0	75.5	123.9	14.0												
30.0	74.2	123.3	13.7												
32.0	73.0	122.7	13.3												
34.0	71.7	122.1	13.0												
34.5				73.0	122.5	13.3									
36.0	70.4	121.4	12.7	72.1	122.0	13.3									
38.0	69.1	120.6	12.5	70.8	121.3	13.0									
40.0	67.8	119.8	11.7	69.5	120.6	12.7									
42.0	66.5	119.0	10.9	68.2	119.8	12.4									
44.0	65.2	118.0	10.2	66.9	118.9	12.2									
46.0	63.8	117.1	9.6	65.5	118.0	11.9									
48.0	62.4	116.0	9.1	64.2	117.1	11.6									
50.0	61.1	114.9	8.6	62.8	116.1	11.4									
50.9							65.0	116.7	11.6						
55.0	57.5	111.9	7.0	59.4	113.2	10.4	62.2	114.6	11.4						
60.0	53.8	108.4	5.6	55.8	110.0	9.1	58.7	111.7	10.8						
65.0	50.0	104.5	4.6	52.0	106.3	8.1	55.1	108.4	10.3						
69.9										55.0	106.5	9.1			
70.0	45.9	99.9	3.7	48.0	102.0	6.8	51.3	104.6	9.9	54.9	106.4	9.0			
75.0	41.5	94.5	2.9	43.8	97.1	5.4	47.2	100.2	9.0	51.5	102.9	7.9			
80.0	36.6	88.3	2.2	39.2	91.4	4.2	42.9	95.2	7.6	47.5	98.6	6.7			
81.0	35.6	86.9	2.1												
85.0				34.0	84.5	3.3	38.2	89.2	6.5	43.2	93.6	5.7			
90.0				28.1	76.1	2.5	33.0	82.1	5.5	38.6	87.8	4.8			
95.0							26.8	73.3	4.5	33.4	80.8	3.9			
100.0							18.9	61.2	3.4	27.4	72.2	3.1			
102.0							16.1	56.7	2.8						
105.0										19.7	60.5	2.4			
107.0										15.7	54.1	2.1			

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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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 98.0 m Plumín															
24.6	78.0	127.8	13.3												
26.0	77.2	127.5	13.3												
28.0	76.0	127.0	13.0												
30.0	74.7	126.5	12.7												
32.0	73.5	125.9	12.4												
34.0	72.3	125.2	12.1												
35.4				73.0	125.3	12.1									
36.0	71.0	124.6	11.8	72.6	125.1	12.1									
38.0	69.8	123.8	11.6	71.4	124.5	12.0									
40.0	68.5	123.1	11.2	70.2	123.8	11.8									
42.0	67.3	122.2	10.5	68.9	123.0	11.5									
44.0	66.0	121.3	9.8	67.6	122.2	11.3									
46.0	64.7	120.4	9.2	66.3	121.3	11.1									
48.0	63.4	119.4	8.6	65.1	120.4	10.8									
50.0	62.0	118.4	8.2	63.7	119.4	10.6									
52.1							65.0	119.5	10.6						
55.0	58.6	115.5	6.8	60.4	116.7	10.0	63.1	118.0	10.6						
60.0	55.1	112.1	5.4	57.0	113.6	8.8	59.8	115.3	10.1						
65.0	51.4	108.4	4.4	53.4	110.1	7.8	56.3	112.1	9.7						
70.0	47.6	104.0	3.5	49.6	106.0	6.8	52.7	108.4	9.4						
71.6										55.0	108.9	8.4			
75.0	43.4	99.0	2.7	45.6	101.4	5.4	48.9	104.3	9.0	52.9	106.7	7.7			
80.0				41.3	96.0	4.1	44.8	99.5	7.6	49.1	102.6	6.5			
85.0				36.6	89.8	3.1	40.4	94.0	6.4	45.1	97.9	5.4			
90.0				31.3	82.2	2.3	35.6	87.5	5.4	40.7	92.5	4.5			
95.0							30.2	79.6	4.4	36.0	86.1	3.7			
100.0							23.6	69.6	3.4	30.6	78.4	2.9			
105.0							15.9	57.1	2.3	24.2	68.6	2.2			
106.0										22.7	66.3	2.1			

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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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 101.0 m Plumín															
25.2	78.0	130.7	12.3												
26.0	77.6	130.6	12.3												
28.0	76.4	130.1	12.1												
30.0	75.2	129.6	11.8												
32.0	74.0	129.0	11.6												
34.0	72.8	128.4	11.3												
36.0	71.6	127.7	11.0												
36.3				73.0	128.2	11.2									
38.0	70.4	127.0	10.7	72.0	127.7	11.2									
40.0	69.2	126.3	10.6	70.8	127.0	11.0									
42.0	68.0	125.5	10.0	69.6	126.2	10.7									
44.0	66.7	124.6	9.3	68.3	125.4	10.5									
46.0	65.5	123.7	8.7	67.1	124.6	10.3									
48.0	64.2	122.8	8.2	65.8	123.7	10.0									
50.0	62.9	121.8	7.7	64.6	122.8	9.8									
53.4							65.0	122.2	9.7						
55.0	59.7	119.0	6.5	61.4	120.2	9.4	64.0	121.4	9.7						
60.0	56.3	115.8	5.2	58.1	117.2	8.3	60.8	118.7	9.3						
65.0	52.8	112.2	4.1	54.6	113.8	7.3	57.4	115.7	9.0						
70.0	49.1	108.1	3.2	51.0	110.0	6.6	54.0	112.2	8.6						
73.3										55.0	111.4	7.6			
75.0	45.2	103.4	2.4	47.3	105.6	5.3	50.3	108.3	8.4	54.1	110.5	7.3			
80.0				43.2	100.5	4.0	46.5	103.8	7.4	50.5	106.6	6.2			
85.0				38.9	94.7	2.9	42.4	98.6	6.2	46.8	102.1	5.1			
90.0							38.0	92.6	5.1	42.7	97.0	4.2			
95.0							33.6	86.3	4.2	38.3	91.1	3.3			
100.0							28.0	77.8	3.2	33.4	84.1	2.6			
104.0										29.0	77.4	2.0			
105.0							21.1	66.7	2.2						
106.0							19.5	64.0	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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 104.0 m Plumín															
25.9	78.0	133.7	11.5												
26.0	77.9	133.6	11.5												
28.0	76.8	133.2	11.4												
30.0	75.6	132.7	11.1												
32.0	74.5	132.1	10.8												
34.0	73.3	131.5	10.6												
36.0	72.2	130.9	10.3												
37.2				73.0	131.1	10.4									
38.0	71.0	130.2	10.1	72.5	130.8	10.4									
40.0	69.8	129.5	9.9	71.3	130.1	10.3									
42.0	68.6	128.7	9.6	70.2	129.4	10.0									
44.0	67.5	127.9	9.0	69.0	128.7	9.8									
46.0	66.2	127.0	8.4	67.8	127.9	9.6									
48.0	65.0	126.1	7.9	66.6	127.0	9.4									
50.0	63.8	125.1	7.4	65.4	126.1	9.2									
54.7							65.0	124.9	8.9						
55.0	60.7	122.4	6.4	62.3	123.6	8.8	64.8	124.7	8.9						
60.0	57.4	119.4	5.0	59.1	120.7	8.0	61.7	122.2	8.7						
65.0	54.1	115.9	3.9	55.8	117.5	7.0	58.5	119.2	8.3						
70.0	50.5	112.0	3.0	52.4	113.8	6.3	55.2	115.9	8.0						
75.0	46.8	107.6	2.2	48.8	109.6	5.2	51.7	112.1	7.7						
75.1										55.0	113.8	7.0			
80.0				45.0	104.9	4.0	48.1	107.9	7.2	51.9	110.4	6.0			
85.0				41.3	100.0	2.8	44.2	103.0	6.0	48.3	106.2	4.9			
89.0				37.3	94.4	2.1									
90.0							40.1	97.4	5.0	44.5	101.4	4.0			
95.0							35.5	90.8	4.1	40.4	95.9	3.1			
100.0							31.0	84.0	3.2	35.9	89.4	2.4			
102.0										33.9	86.5	2.1			
105.0							25.1	74.5	2.3						
106.0							23.7	72.2	2.1						

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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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 107.0 m Plumín															
26.5	78.0	136.6	10.3												
28.0	77.2	136.3	10.3												
30.0	76.1	135.8	10.0												
32.0	74.9	135.2	9.7												
34.0	73.8	134.7	9.6												
36.0	72.7	134.1	9.3												
38.0	71.6	133.4	9.0	73.0	133.9	9.2									
40.0	70.4	132.7	8.8	71.9	133.3	9.2									
42.0	69.3	131.9	8.7	70.8	132.6	9.0									
44.0	68.1	131.1	8.2	69.6	131.9	8.8									
46.0	67.0	130.3	7.7	68.5	131.1	8.6									
48.0	65.8	129.4	7.2	67.3	130.3	8.4									
50.0	64.6	128.5	6.8	66.1	129.4	8.2									
55.0	61.6	125.9	6.0	63.1	127.0	7.8									
55.9							65.0	127.6	7.8						
60.0	58.4	123.0	4.7	60.1	124.2	7.2	62.6	125.6	7.7						
65.0	55.2	119.6	3.5	56.9	121.1	6.4	59.5	122.8	7.3						
70.0	51.9	115.9	2.6	53.6	117.6	5.7	56.3	119.6	7.0						
75.0				50.2	113.6	5.0	53.0	116.0	6.8						
76.8										55.0	116.3	6.3			
80.0				46.6	109.1	3.8	49.5	111.9	6.5	53.2	114.2	5.6			
85.0				42.7	104.0	2.7	45.9	107.3	5.6	49.7	110.2	4.6			
88.0				40.3	100.5	2.1									
90.0							42.0	102.0	4.6	46.1	105.7	3.7			
95.0							37.7	95.9	3.9	42.2	100.4	2.8			
100.0							33.1	88.8	3.1	38.0	94.5	2.1			
105.0							28.4	81.2	2.3						
106.0							27.2	79.3	2.1						

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 110.0 m Plumín															
27.1	78.0	139.5	9.4												
28.0	77.5	139.3	9.4												
30.0	76.4	138.9	9.2												
32.0	75.4	138.4	8.9												
34.0	74.3	137.8	8.6												
36.0	73.2	137.2	8.4												
38.0	72.1	136.6	8.2												
38.9				73.0	136.8	8.3									
40.0	71.0	135.9	8.0	72.4	136.5	8.3									
42.0	69.9	135.2	7.8	71.3	135.8	8.1									
44.0	68.8	134.4	7.6	70.2	135.1	7.9									
46.0	67.6	133.6	7.1	69.1	134.3	7.7									
48.0	66.5	132.7	6.7	67.9	133.5	7.6									
50.0	65.3	131.8	6.3	66.8	132.7	7.4									
55.0	62.4	129.3	5.6	63.9	130.3	7.0									
57.2							65.0	130.3	6.9						
60.0	59.4	126.5	4.5	61.0	127.7	6.6	63.4	128.9	6.9						
65.0	56.3	123.3	3.3	57.9	124.7	5.9	60.4	126.2	6.5						
70.0	53.1	119.7	2.4	54.8	121.3	5.3	57.3	123.2	6.3						
75.0				51.5	117.5	4.8	54.2	119.7	6.0						
78.5										55.0	118.7	5.7			
80.0				48.0	113.2	3.7	50.8	115.8	5.8	54.0	117.6	5.3			
85.0				44.8	108.9	2.6	47.4	111.4	5.2	51.0	114.1	4.3			
87.0				43.3	106.8	2.2									
90.0							43.7	106.4	4.4	47.6	109.8	3.4			
95.0							39.7	100.7	3.7	43.9	104.9	2.6			
98.0										41.6	101.6	2.1			
100.0															
105.0							35.4	94.1	3.0						
106.0							31.2	87.3	2.2						
							30.1	85.6	2.1						



### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 113.0 m Plumín															
27.7	78.0	142.5	8.7												
28.0	77.9	142.4	8.7												
30.0	76.8	142.0	8.6												
32.0	75.8	141.5	8.3												
34.0	74.7	140.9	8.1												
36.0	73.6	140.3	7.9												
38.0	72.6	139.7	7.7												
39.8				73.0	139.7	7.7									
40.0	71.5	139.1	7.5	72.9	139.6	7.7									
42.0	70.4	138.3	7.4	71.8	139.0	7.7									
44.0	69.3	137.6	7.2	70.7	138.3	7.5									
46.0	68.2	136.8	6.9	69.7	137.5	7.3									
48.0	67.1	136.0	6.4	68.6	136.8	7.1									
50.0	66.0	135.1	6.0	67.5	135.9	7.0									
55.0	63.2	132.7	5.2	64.7	133.7	6.5									
58.5							65.0	133.0	6.4						
60.0	60.3	130.0	4.4	61.8	131.1	6.2	64.1	132.3	6.4						
65.0	57.3	126.9	3.3	58.9	128.2	5.6	61.3	129.7	6.1						
70.0	54.2	123.4	2.3	55.8	125.0	5.0	58.3	126.7	5.9						
75.0				52.7	121.3	4.5	55.3	123.4	5.5						
80.0				49.4	117.2	3.7	52.1	119.7	5.2						
80.2										55.0	121.2	4.9			
85.0				46.0	112.6	2.6	48.8	115.5	4.6	52.3	118.0	4.0			
87.0				44.9	111.1	2.1									
90.0							45.3	110.8	3.1	49.0	113.8	3.1			
95.0										45.5	109.2	2.3			
96.0										44.8	108.1	2.1			

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 20.0 m Plumín															
8.3	78.0	51.5	83.3												
9.0	76.0	51.3	81.6												
10.0	73.0	51.0	78.6												
11.0	70.0	50.7	76.1												
12.0	66.9	50.2	72.1												
12.6				73.0	50.7	76.5									
13.0	63.7	49.7	68.5	71.7	50.6	76.1									
14.0	60.4	49.2	65.2	68.7	50.2	73.8									
16.0	53.4	47.8	57.2	62.3	49.2	65.5									
18.0	45.7	46.0	51.5	55.5	47.9	57.7									
19.2							65.0	48.8	64.5						
20.0	36.7	43.6	46.5	48.0	46.3	52.1	62.4	48.3	62.5						
22.0	25.0	40.0	38.5	39.5	44.1	47.0	55.6	47.1	55.9						
23.0	16.1	37.1	33.9												
24.0				28.8	40.9	41.3	48.2	45.4	51.0						
26.0				15.0	36.4	15.1	39.7	43.2	47.2						
26.9										55.0	45.0	30.1			
28.0							29.1	40.1	43.2	51.3	44.2	45.3			
30.0							15.6	35.7	15.1	43.3	42.3	41.7			
32.0										33.8	39.6	38.5			
34.0										20.4	35.4	35.8			
39.8													35.0	33.8	26.7
40.0													33.9	33.5	26.6
42.0													20.3	29.2	25.0
43.0													16.5	27.9	15.1

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 23.0 m Plumín															
9.0	78.0	54.4	75.5												
10.0	75.3	54.2	73.1												
11.0	72.7	53.9	70.0												
12.0	70.1	53.5	67.1												
13.0	67.4	53.1	63.6												
13.5				73.0	53.6	68.3									
14.0	64.6	52.6	60.3	71.6	53.4	67.6									
16.0	58.9	51.5	54.5	66.2	52.6	61.3									
18.0	52.7	50.0	49.3	60.6	51.5	55.4									
20.0	46.0	48.2	44.5	54.6	50.2	50.0									
20.4							65.0	51.5	30.1						
22.0	38.4	45.9	40.1	48.0	48.5	46.0	60.7	50.6	53.8						
24.0	29.1	42.8	35.3	40.7	46.4	42.3	54.7	49.3	49.4						
26.0	18.1	38.7	15.1	32.0	43.5	38.4	48.2	47.6	46.0						
28.0				20.1	39.2	32.9	40.9	45.5	42.9						
28.6										55.0	47.5	30.1			
30.0							32.3	42.7	39.7	50.9	46.4	41.5			
32.0							20.4	38.4	35.3	44.0	44.5	38.4			
34.0										36.0	42.0	35.7			
36.0										25.9	38.5	33.3			
37.0										18.9	35.9	32.2			
42.3													35.0	35.5	24.6
44.0													25.9	32.3	23.4
46.0													15.3	28.3	15.1

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 26.0 m Plumín															
9.6	78.0	57.4	69.1												
10.0	77.0	57.3	68.8												
11.0	74.8	57.0	66.3												
12.0	72.5	56.7	62.8												
13.0	70.1	56.3	59.7												
14.0	67.7	55.9	56.6												
14.3				73.0	56.5	61.5									
16.0	62.8	54.9	51.4	69.1	55.9	57.4									
18.0	57.7	53.7	46.8	64.3	55.0	52.2									
20.0	52.2	52.3	43.1	59.2	53.8	47.9									
21.7							65.0	54.2	51.5						
22.0	46.3	50.5	38.9	53.8	52.4	44.1	64.4	54.1	51.5						
24.0	39.7	48.2	34.9	48.1	50.8	41.1	59.3	52.9	47.8						
26.0	31.9	45.3	31.5	41.7	48.7	38.3	54.0	51.6	44.6						
28.0	21.7	41.2	27.9	34.3	46.0	35.6	48.2	49.9	42.1						
29.0	16.9	39.1	15.1												
30.0				25.1	42.3	31.2	41.8	47.8	39.3						
30.3										55.0	49.9	30.1			
31.0				18.8	39.6	29.0									
32.0							34.5	45.1	36.8	50.6	48.7	38.4			
34.0							25.3	41.5	32.9	44.5	46.8	35.7			
35.0							19.1	38.9	30.9						
36.0										37.6	44.4	33.3			
38.0										29.3	41.2	31.2			
40.0										17.7	36.3	29.3			
44.7													35.0	37.2	23.0
46.0													29.4	35.1	22.2
48.0													17.5	30.1	21.0

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 29.0 m Plumín															
10.2	78.0	60.3	62.0												
11.0	76.4	60.1	60.8												
12.0	74.3	59.8	58.2												
13.0	72.3	59.5	55.2												
14.0	70.2	59.2	52.7												
15.2				73.0	59.4	54.2									
16.0	65.9	58.3	47.8	71.4	59.1	53.3									
18.0	61.4	57.3	44.2	67.1	58.3	48.7									
20.0	56.7	56.0	40.4	62.7	57.3	44.8									
22.0	51.8	54.5	37.5	58.1	56.1	41.3									
23.0							65.0	56.9	45.3						
24.0	46.5	52.7	34.4	53.3	54.7	38.6	62.8	56.4	44.5						
26.0	40.6	50.5	31.5	48.1	53.0	36.1	58.2	55.2	41.8						
28.0	33.9	47.8	29.1	42.4	50.9	33.8	53.4	53.8	39.3						
30.0	25.7	44.2	26.2	36.0	48.4	32.0	48.2	52.1	37.2						
32.0	15.9	39.5	15.1	28.3	45.1	28.7	42.5	50.1	34.8	55.0	52.4	30.1			
34.0				17.7	40.1	25.4	36.1	47.5	33.0	50.3	50.9	35.5			
36.0							28.5	44.2	30.1	44.9	49.0	33.1			
38.0							18.0	39.3	27.1	38.8	46.7	31.0			
40.0										30.8	43.3	29.1			
42.0										21.3	39.0	27.4			
43.0										16.7	36.8	26.6			
47.2													35.0	39.0	21.3
48.0													31.9	37.6	20.8
50.0													22.8	33.5	19.8
51.0													16.5	30.5	19.3

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 32.0 m Plumín															
10.8	78.0	63.2	56.2												
11.0	77.7	63.2	56.2												
12.0	75.8	63.0	54.0												
13.0	74.0	62.7	51.7												
14.0	72.1	62.3	49.1												
16.0	68.3	61.6	45.1												
16.1				73.0	62.2	48.4									
18.0	64.3	60.7	41.3	69.4	61.5	45.3									
20.0	60.2	59.6	38.3	65.5	60.7	41.8									
22.0	56.0	58.3	35.3	61.4	59.6	39.0									
24.0	51.5	56.8	33.0	57.2	58.4	36.2									
24.2							65.0	59.6	30.1						
26.0	46.7	55.0	30.7	52.8	56.9	34.1	61.5	58.7	38.9						
28.0	41.4	52.8	28.6	48.1	55.2	32.1	57.3	57.5	37.0						
30.0	35.5	50.2	26.9	43.0	53.2	30.2	52.9	56.1	35.0						
32.0	28.6	46.9	24.6	37.3	50.7	28.6	48.2	54.3	33.2						
33.8										55.0	54.8	30.1			
34.0	19.4	42.2	22.1	30.7	47.7	26.3	43.1	52.3	31.2	54.7	54.8	35.3			
35.0	15.1	39.9	15.1												
36.0				22.4	43.5	23.8	37.4	49.9	29.5	50.1	53.2	33.0			
37.0				16.8	40.5	22.5									
38.0							30.9	46.8	27.5	45.2	51.3	30.9			
40.0							22.7	42.7	25.3	39.8	49.0	29.1			
41.0							17.1	39.8	24.1						
42.0										33.7	46.2	27.4			
44.0										26.3	42.6	25.9			
46.0										15.9	37.2	24.5			
49.6													35.0	40.7	19.9
50.0													33.8	40.1	19.7
54.0													17.6	31.9	17.9

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 35.0 m Plumín															
11.5	78.0	66.2	49.2												
12.0	77.1	66.1	48.9												
13.0	75.4	65.8	46.5												
14.0	73.7	65.5	44.7												
16.0	70.2	64.8	41.0												
17.0				73.0	65.1	42.1									
18.0	66.7	64.0	37.6	71.2	64.7	41.3									
20.0	63.0	63.0	34.9	67.7	64.0	38.2									
22.0	59.3	61.9	32.6	64.1	63.0	35.3									
24.0	55.3	60.5	30.4	60.4	61.9	33.1									
25.5							65.0	62.4	35.3						
26.0	51.2	59.0	28.7	56.5	60.7	31.1	64.2	62.1	35.3						
28.0	46.8	57.2	26.9	52.4	59.2	29.6	60.4	61.0	33.6						
30.0	42.0	55.1	25.3	48.1	57.5	27.9	56.6	59.8	31.9						
32.0	36.8	52.6	23.8	43.5	55.5	26.3	52.5	58.3	30.4						
34.0	30.7	49.5	22.2	38.4	53.1	24.9	48.2	56.6	28.9						
35.5										55.0	57.3	29.0			
36.0	23.3	45.4	20.5	32.6	50.2	23.5	43.6	54.6	27.1	54.2	57.0	31.2			
37.0	18.5	42.7	19.6												
38.0				25.7	46.4	21.8	38.5	52.2	25.7	50.0	55.4	29.8			
40.0				16.1	40.9	20.0	32.7	49.3	24.3	45.5	53.5	28.4			
42.0							25.8	45.6	22.8	40.6	51.3	26.8			
44.0							16.3	40.2	21.2	35.2	48.7	25.5			
46.0										28.8	45.3	24.2			
48.0										20.7	40.8	22.8			
49.0										15.1	37.5	22.0			
52.1													35.0	42.4	18.5
55.0													25.1	37.1	17.3
57.0													16.8	32.4	16.5

## Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 38.0 m Plumín															
12.1	78.0	69.1	44.0												
13.0	76.6	68.9	43.2												
14.0	75.0	68.6	41.2												
16.0	71.8	68.0	37.9												
17.8				73.0	68.0	37.6									
18.0	68.6	67.2	35.2	72.8	67.9	37.6									
20.0	65.3	66.4	32.3	69.6	67.2	35.2									
22.0	61.9	65.3	30.3	66.3	66.3	32.8									
24.0	58.4	64.1	28.4	62.9	65.4	30.6									
26.0	54.8	62.8	26.8	59.5	64.2	29.0									
26.8							65.0	65.1	31.6						
28.0	51.0	61.2	25.5	55.8	62.9	27.5	63.0	64.5	31.2						
30.0	46.9	59.4	24.0	52.1	61.4	26.3	59.5	63.3	29.7						
32.0	42.6	57.4	22.6	48.1	59.7	24.8	55.9	62.0	28.2						
34.0	37.8	54.9	21.4	43.8	57.7	23.4	52.2	60.5	27.0						
36.0	32.4	52.0	20.3	39.2	55.4	22.2	48.2	58.8	25.7						
37.2										55.0	59.8	25.8			
38.0	26.1	48.3	19.0	34.1	52.6	21.1	43.9	56.8	24.2	53.7	59.3	27.8			
40.0	17.7	43.1	17.7	28.1	49.2	19.9	39.3	54.5	22.9	49.8	57.6	26.4			
42.0				20.5	44.6	18.7	34.2	51.8	21.8	45.7	55.8	25.2			
43.0				15.4	41.3	18.1									
44.0							28.2	48.3	20.7	41.2	53.6	23.8			
46.0							20.7	43.8	19.6	36.3	51.0	22.7			
47.0							15.6	40.6	19.0						
48.0										30.8	47.9	21.7			
50.0										24.0	43.9	20.6			
52.0										16.4	39.2	15.1			
54.5													35.0	44.1	17.4
55.0													33.8	43.4	17.2
60.0													16.1	32.8	15.4



### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 41.0 m Plumín															
12.7	78.0	72.1	38.8												
13.0	77.6	72.0	38.8												
14.0	76.1	71.7	37.5												
16.0	73.2	71.2	34.6												
18.0	70.3	70.5	32.0												
18.7				73.0	70.8	33.0									
20.0	67.2	69.7	29.6	71.1	70.4	32.2									
22.0	64.2	68.7	27.5	68.1	69.6	30.0									
24.0	61.0	67.6	25.9	65.1	68.7	27.9									
26.0	57.7	66.4	24.3	61.9	67.7	26.4									
28.0	54.3	65.0	23.0	58.7	66.5	24.9	65.0	67.8	26.2						
30.0	50.8	63.5	22.0	55.3	65.2	23.7	62.0	66.8	26.9						
32.0	47.0	61.7	20.7	51.8	63.7	22.7	58.7	65.6	25.7						
34.0	43.0	59.6	19.6	48.1	61.9	21.4	55.4	64.3	24.3						
36.0	38.6	57.2	18.6	44.2	60.0	20.2	51.9	62.8	23.2						
38.0	33.8	54.4	17.7	39.9	57.7	19.2	48.2	61.1	22.1						
38.9										55.0	62.2	22.5			
40.0	28.3	51.0	16.7	35.3	55.0	18.3	44.3	59.1	20.9	53.3	61.5	23.9			
42.0	21.4	46.5	15.7	30.0	51.8	17.4	40.0	56.8	19.8	49.7	59.9	22.8			
43.0	17.0	43.5	15.2												
44.0				23.6	47.7	16.4	35.4	54.2	18.9	45.9	58.0	21.8			
46.0				16.5	42.9	13.5	30.1	51.0	18.0	41.8	55.9	20.6			
48.0							23.8	46.9	17.0	37.3	53.4	19.6			
50.0							15.0	41.0	16.1	32.3	50.4	18.8			
55.0										15.8	39.6	14.0			
57.0													35.0	45.8	16.2
60.0													26.5	40.6	15.2
63.0													17.2	34.4	14.3

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 44.0 m Plumín															
13.3	78.0	75.0	35.2												
14.0	77.1	74.8	35.0												
16.0	74.4	74.3	32.5												
18.0	71.7	73.7	29.9												
19.6				73.0	73.7	29.9									
20.0	68.9	72.9	27.9	72.5	73.6	29.9									
22.0	66.0	72.0	25.7	69.7	72.9	27.9									
24.0	63.1	71.1	24.1	66.9	72.0	26.1									
26.0	60.2	70.0	22.7	64.0	71.1	24.6									
28.0	57.1	68.7	21.4	61.0	70.0	23.4									
29.3							65.0	70.5	25.1						
30.0	53.9	67.3	20.3	58.0	68.8	22.1	64.1	70.2	25.1						
32.0	50.6	65.7	19.5	54.8	67.4	20.9	61.1	69.1	23.8						
34.0	47.1	63.9	18.4	51.6	65.9	20.1	58.1	67.9	22.7						
36.0	43.4	61.9	17.4	48.1	64.2	19.0	54.9	66.6	21.5						
38.0	39.4	59.5	16.5	44.5	62.2	18.0	51.6	65.0	20.6						
40.0	35.0	56.8	15.8	40.6	60.0	17.1	48.2	63.3	19.6						
40.6										55.0	64.7	19.9			
42.0	30.0	53.6	15.0	36.3	57.4	16.3	44.5	61.3	18.5	53.0	63.7	21.2			
44.0	24.2	49.6	14.2	31.5	54.3	15.5	40.6	59.1	17.6	49.6	62.1	20.2			
46.0	16.4	44.0	13.3	26.0	50.6	14.7	36.4	56.5	16.8	46.1	60.2	19.4			
48.0				19.0	45.6	13.8	31.7	53.5	16.0	42.3	58.1	18.3			
49.0				15.9	43.3	11.3									
50.0							26.1	49.8	15.2	38.2	55.7	17.4			
53.0							16.2	42.6	12.5						
55.0										25.6	47.4	15.5			
58.0										15.2	40.0	12.1			
59.5													35.0	47.6	15.3
60.0													33.7	46.7	15.1
65.0													19.5	36.9	13.6
66.0													16.6	34.8	12.7

## Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 47.0 m Plumín															
13.9	78.0	77.9	31.2												
14.0	77.9	77.9	31.2												
16.0	75.4	77.4	29.6												
18.0	72.9	76.8	27.7												
20.0	70.3	76.1	26.0												
20.5				73.0	76.6	26.7									
22.0	67.7	75.3	24.6	71.0	76.1	26.0									
24.0	65.0	74.4	23.3	68.4	75.3	24.6									
26.0	62.3	73.4	22.3	65.8	74.4	23.5									
28.0	59.4	72.3	21.4	63.1	73.4	22.6									
30.0	56.6	71.0	20.5	60.3	72.3	21.9									
30.6							65.0	73.2	23.2						
32.0	53.6	69.5	19.8	57.4	71.1	21.0	63.1	72.5	22.9						
34.0	50.4	67.9	19.2	54.4	69.7	20.4	60.3	71.4	22.1						
36.0	47.2	66.1	18.2	51.3	68.1	19.8	57.5	70.2	21.4						
38.0	43.7	64.1	17.2	48.1	66.4	18.9	54.5	68.8	20.7						
40.0	40.0	61.8	16.4	44.7	64.5	18.0	51.4	67.3	20.1						
42.0	36.0	59.2	15.7	41.1	62.3	17.2	48.2	65.5	19.3						
42.4															
44.0	31.5	56.1	14.8	37.2	59.7	16.6	44.8	63.6	18.4	55.0	67.1	19.6			
										52.7	66.0	20.2			
46.0	26.3	52.4	13.9	32.8	56.8	15.7	41.2	61.4	17.5	49.5	64.3	19.6			
48.0	20.0	47.6	12.9	27.9	53.3	14.7	37.3	58.9	16.8	46.2	62.5	19.1			
49.0	15.8	44.4	12.5												
50.0				22.0	48.9	13.7	32.9	56.0	16.0	42.7	60.4	18.1			
52.0				15.4	43.7	11.5									
55.0							18.5	45.3	13.9	32.5	53.7	16.1			
56.0							15.6	43.0	12.8						
60.0										17.7	42.7	14.2			
61.9													35.0	49.3	14.3
65.0													29.1	45.2	13.4
69.0													16.0	35.2	12.3

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 50.0 m Plumín															
14.6	78.0	80.9	28.5												
16.0	76.3	80.5	27.9												
18.0	73.9	80.0	26.4												
20.0	71.5	79.3	25.0												
21.4				73.0	79.4	24.8									
22.0	69.1	78.6	23.9	72.2	79.2	24.8									
24.0	66.6	77.7	23.0	69.8	78.5	23.7									
26.0	64.1	76.8	22.2	67.3	77.7	22.9									
28.0	61.5	75.7	21.6	64.8	76.8	22.3									
30.0	58.8	74.5	20.9	62.2	75.8	21.8									
31.8							65.0	75.9	21.6						
32.0	56.1	73.2	20.4	59.6	74.6	21.3	64.9	75.9	22.2						
34.0	53.2	71.8	19.9	56.9	73.4	20.8	62.3	74.9	21.9						
36.0	50.3	70.2	19.5	54.1	71.9	20.4	59.6	73.7	21.4						
38.0	47.2	68.4	18.5	51.2	70.4	20.0	56.9	72.5	20.9						
40.0	44.0	66.4	17.5	48.1	68.6	19.2	54.1	71.1	20.5						
42.0	40.5	64.1	16.7	44.9	66.7	18.4	51.2	69.5	20.2						
44.0	36.8	61.6	15.9	41.5	64.5	17.7	48.2	67.8	19.5						
44.1										55.0	69.6	19.4			
46.0	32.7	58.6	15.1	37.9	62.1	17.1	45.0	65.8	18.6	52.4	68.2	20.0			
48.0	28.1	55.1	14.1	33.9	59.2	16.4	41.6	63.7	17.9	49.4	66.6	19.7			
50.0	22.6	50.8	13.1	29.5	55.9	15.2	38.0	61.2	17.2	46.3	64.7	19.4			
52.0	15.3	44.8	12.0												
54.0				17.8	46.5	12.9									
55.0							27.1	53.2	15.1	37.6	59.0	17.1			
59.0							15.1	43.4	13.0						
60.0										26.7	50.9	15.3			
63.0										17.2	43.2	14.2			
64.4													35.0	51.0	13.5
65.0													34.9	50.9	13.3
70.0													22.7	41.6	12.0
72.0													15.5	35.6	11.5

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 53.0 m Plumín															
15.2	78.0	83.8	25.7												
16.0	77.1	83.6	25.6												
18.0	74.9	83.1	24.2												
20.0	72.6	82.5	23.0												
22.0	70.3	81.8	21.9												
22.2				73.0	82.3	22.3									
24.0	68.0	81.0	21.2	71.0	81.7	21.9									
26.0	65.6	80.1	20.5	68.7	80.9	21.1									
28.0	63.2	79.1	19.9	66.3	80.1	20.5									
30.0	60.8	78.0	19.4	63.9	79.1	20.0									
32.0	58.2	76.8	19.0	61.5	78.1	19.7									
33.1							65.0	78.7	19.4						
34.0	55.6	75.5	18.5	59.0	76.9	19.2	64.0	78.3	20.1						
36.0	53.0	74.0	18.2	56.4	75.6	18.8	61.5	77.2	19.7						
38.0	50.2	72.4	17.8	53.7	74.2	18.5	59.0	76.0	19.3						
40.0	47.3	70.6	17.0	51.0	72.6	18.2	56.5	74.7	19.0						
42.0	44.2	68.6	16.2	48.1	70.9	17.5	53.8	73.3	18.6						
44.0	41.0	66.4	15.4	45.1	68.9	16.9	51.1	71.7	18.3						
45.8										55.0	72.0	17.5			
46.0	37.5	63.9	14.8	41.9	66.8	16.3	48.2	70.0	17.8	54.9	72.0	18.3			
48.0	33.8	61.1	14.1	38.6	64.4	15.8	45.2	68.1	17.1	52.2	70.5	18.1			
50.0	29.6	57.7	13.2	34.9	61.6	15.3	42.0	65.9	16.4	49.4	68.8	17.9			
55.0	16.3	46.4	10.0	23.6	52.5	12.8	33.0	59.3	14.9	41.7	63.8	16.4			
57.0				17.2	46.9	11.8									
60.0							20.8	49.2	13.0	33.3	57.6	14.9			
61.0							17.4	46.2	12.6						
65.0										20.2	46.7	13.3			
66.0										16.7	43.6	13.0			
66.8													35.0	52.7	12.6
70.0													29.6	48.5	11.8
75.0													15.0	36.0	10.7

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 56.0 m Plumín															
15.8	78.0	86.7	23.4												
16.0	77.8	86.7	23.4												
18.0	75.7	86.2	22.5												
20.0	73.6	85.6	21.4												
22.0	71.4	85.0	20.3												
23.1				73.0	85.2	20.3									
24.0	69.2	84.2	19.6	72.0	84.9	20.2									
26.0	67.0	83.4	19.0	69.9	84.2	19.6									
28.0	64.8	82.5	18.5	67.7	83.4	19.1									
30.0	62.5	81.5	18.1	65.4	82.5	18.6									
32.0	60.1	80.3	17.7	63.1	81.5	18.2									
34.0	57.7	79.1	17.4	60.8	80.4	17.9									
34.4							65.0	81.4	18.5						
36.0	55.3	77.8	17.1	58.4	79.2	17.5	63.2	80.6	18.3						
38.0	52.7	76.3	16.8	56.0	77.9	17.2	60.9	79.5	18.0						
40.0	50.1	74.7	16.5	53.5	76.4	17.0	58.5	78.3	17.7						
42.0	47.3	72.9	15.8	50.8	74.9	16.7	56.0	77.0	17.3						
44.0	44.4	70.9	15.1	48.1	73.1	16.1	53.5	75.6	17.1						
46.0	41.4	68.7	14.4	45.3	71.2	15.6	50.9	74.0	16.8						
47.5										55.0	74.5	16.1			
48.0	38.2	66.2	13.8	42.3	69.1	15.2	48.2	72.2	16.4	54.5	74.2	16.8			
50.0	34.7	63.5	13.3	39.1	66.7	14.7	45.4	70.3	15.8	52.0	72.7	16.6			
55.0	24.0	54.4	11.3	30.0	59.3	13.1	37.5	64.5	14.5	45.1	68.2	15.9			
58.0	15.8	46.8	9.1												
60.0				16.7	47.4	10.8	27.9	56.6	13.0	37.2	62.4	14.4			
64.0							16.9	46.6	11.6						
65.0										27.5	54.3	13.1			
69.0										16.2	44.0	12.0			
69.3													35.0	54.4	11.8
70.0													34.7	54.2	11.7
75.0													24.1	45.2	10.6
77.0													18.3	39.9	10.2

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 59.0 m Plumín															
16.5	78.0	89.7	20.3												
18.0	76.5	89.3	19.9												
20.0	74.5	88.8	18.8												
22.0	72.4	88.1	17.8												
24.0	70.3	87.4	17.1	73.0	88.0	17.5									
26.0	68.2	86.7	16.6	70.9	87.4	17.2									
28.0	66.1	85.8	16.1	68.8	86.6	16.7									
30.0	63.9	84.8	15.8	66.7	85.8	16.3									
32.0	61.7	83.8	15.5	64.6	84.8	15.9									
34.0	59.5	82.6	15.1	62.4	83.8	15.6									
35.6							65.0	84.1	15.9						
36.0	57.1	81.3	14.8	60.1	82.7	15.3	64.6	83.9	15.9						
38.0	54.8	79.9	14.5	57.8	81.4	15.0	62.4	82.9	15.6						
40.0	52.3	78.4	14.3	55.5	80.1	14.7	60.2	81.8	15.3						
42.0	49.8	76.8	14.0	53.0	78.6	14.5	57.9	80.5	15.1						
44.0	47.1	74.9	13.5	50.5	77.0	14.2	55.5	79.2	14.8						
46.0	44.4	72.9	13.1	47.9	75.2	13.9	53.1	77.7	14.6						
48.0	41.5	70.7	12.7	45.2	73.3	13.6	50.6	76.1	14.4						
49.2															
50.0	38.4	68.3	12.3	42.3	71.1	13.3	48.0	74.3	14.1	55.0	77.0	14.3			
55.0	29.5	60.6	11.0	34.3	64.6	12.5	40.9	69.1	13.4	54.1	76.4	14.3			
60.0	16.7	48.5	9.2	24.1	55.4	10.7	32.6	62.2	12.5	47.7	72.2	13.9			
61.0	15.4	47.2	8.3							40.6	66.9	13.2			
63.0				15.2	46.7	9.5									
65.0							21.7	52.2	10.9	32.3	60.0	12.5			
67.0							15.3	45.9	10.3						
70.0										21.2	49.7	11.2			
71.7													35.0	56.2	11.1
72.0										16.9	45.6	10.4			
75.0													30.1	51.9	10.4
80.0													17.8	40.3	9.4

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 62.0 m Plumín															
17.1	78.0	92.6	18.3												
18.0	77.2	92.4	18.2												
20.0	75.2	91.9	17.2												
22.0	73.3	91.3	16.5												
24.0	71.3	90.6	15.8												
24.9				73.0	90.9	15.9									
26.0	69.4	89.9	15.3	71.9	90.5	15.8									
28.0	67.3	89.1	14.8	69.9	89.8	15.4									
30.0	65.3	88.2	14.5	67.9	89.0	15.0									
32.0	63.2	87.2	14.2	65.9	88.1	14.6									
34.0	61.1	86.1	13.9	63.8	87.2	14.3									
36.0	58.9	84.9	13.6	61.7	86.1	14.0									
36.9							65.0	86.8	14.4						
38.0	56.7	83.6	13.4	59.6	85.0	13.7	63.9	86.3	14.4						
40.0	54.5	82.2	13.1	57.4	83.7	13.5	61.8	85.2	14.1						
42.0	52.1	80.7	12.9	55.1	82.3	13.2	59.6	84.1	13.8						
44.0	49.7	79.0	12.7	52.8	80.8	13.0	57.4	82.8	13.6						
46.0	47.2	77.2	12.3	50.4	79.2	12.8	55.2	81.4	13.3						
48.0	44.6	75.2	12.0	47.9	77.4	12.6	52.9	80.0	13.1						
50.0	41.8	73.0	11.7	45.3	75.5	12.4	50.5	78.3	13.0						
51.0										55.0	79.4	12.9			
55.0	34.2	66.4	11.0	38.3	69.8	11.9	44.1	73.6	12.5	50.2	76.3	12.6			
60.0	24.5	57.3	9.5	29.9	62.2	10.7	36.8	67.6	12.1	43.8	71.5	12.3			
63.0	16.3	48.9	8.5												
65.0				18.2	50.6	9.1	28.0	59.5	10.9	36.5	65.4	12.0			
66.0				17.0	49.4	8.3									
70.0							17.1	48.6	9.0	27.6	57.2	11.0			
74.2													35.0	57.9	10.5
75.0										16.5	46.0	9.5	34.6	57.5	10.3
80.0													25.2	48.7	9.4
83.0													17.4	40.8	8.8



### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 65.0 m Plumín															
17.7	78.0	95.5	16.7												
18.0	77.8	95.5	16.7												
20.0	75.9	95.0	16.0												
22.0	74.1	94.4	15.3												
24.0	72.2	93.8	14.7												
25.8				73.0	93.8	14.5									
26.0	70.4	93.1	14.2	72.8	93.7	14.5									
28.0	68.5	92.3	13.8	70.9	93.0	14.3									
30.0	66.5	91.5	13.4	69.0	92.3	13.9									
32.0	64.6	90.5	13.1	67.1	91.4	13.6									
34.0	62.6	89.5	12.8	65.1	90.5	13.2									
36.0	60.5	88.4	12.6	63.2	89.5	13.0									
38.0	58.5	87.2	12.2	61.1	88.4	12.7									
38.2							65.0	89.5	13.2						
40.0	56.4	85.9	12.0	59.1	87.3	12.4	63.2	88.6	13.0						
42.0	54.2	84.4	11.7	57.0	86.0	12.1	61.2	87.5	12.7						
44.0	51.9	82.9	11.5	54.8	84.6	11.9	59.1	86.4	12.5						
46.0	49.6	81.2	11.3	52.6	83.1	11.7	57.0	85.1	12.3						
48.0	47.2	79.4	10.9	50.3	81.4	11.4	54.9	83.7	12.0						
50.0	44.8	77.4	10.7	47.9	79.7	11.2	52.6	82.2	11.8						
52.7										55.0	81.9	11.7			
55.0	38.0	71.6	10.0	41.6	74.5	10.6	46.8	77.9	11.3	52.4	80.1	11.6			
60.0	29.9	64.0	9.1	34.3	67.9	10.0	40.3	72.5	10.8	46.5	75.8	11.2			
65.0	18.9	52.6	7.9	25.2	58.9	8.9	32.7	65.5	10.2	40.0	70.3	10.7			
66.0	15.9	49.3	7.7												
69.0				16.6	49.8	7.5									
70.0							23.1	55.8	9.2	32.4	63.3	10.3			
73.0							16.7	49.0	8.0						
75.0										22.6	53.4	9.5			
76.7													35.0	59.6	9.8
78.0										16.1	46.4	8.3			
80.0													29.4	54.2	9.1
85.0													19.8	44.3	8.3
86.0													17.0	41.2	8.2

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 68.0 m Plumín															
18.4	78.0	98.5	15.3												
20.0	76.6	98.1	15.0												
22.0	74.8	97.5	14.3												
24.0	73.1	96.9	13.8												
26.0	71.3	96.3	13.3												
26.6				73.0	96.6	13.5									
28.0	69.5	95.5	12.9	71.8	96.2	13.4									
30.0	67.6	94.7	12.6	70.0	95.5	13.0									
32.0	65.8	93.8	12.2	68.2	94.7	12.8									
34.0	63.9	92.9	12.0	66.3	93.8	12.4									
36.0	62.0	91.8	11.8	64.4	92.9	12.1									
38.0	60.0	90.7	11.4	62.5	91.9	11.9									
39.4							65.0	92.3	12.2						
40.0	58.0	89.5	11.1	60.6	90.7	11.6	64.5	92.0	12.1						
42.0	56.0	88.1	10.8	58.6	89.5	11.3	62.6	91.0	12.0						
44.0	53.9	86.7	10.5	56.6	88.2	11.0	60.6	89.9	11.7						
46.0	51.8	85.1	10.3	54.5	86.8	10.8	58.7	88.7	11.5						
48.0	49.6	83.5	10.1	52.4	85.3	10.6	56.6	87.4	11.2						
50.0	47.3	81.7	9.8	50.2	83.7	10.3	54.6	86.0	10.9						
54.4										55.0	84.3	10.8			
55.0	41.1	76.4	9.2	44.4	79.0	9.7	49.1	81.9	10.4	54.4	83.9	10.8			
60.0	34.1	69.8	8.6	37.9	73.1	9.1	43.2	77.0	9.8	48.9	79.9	10.3			
65.0	25.5	60.8	7.8	30.2	65.5	8.5	36.5	70.9	9.3	43.0	74.9	9.8			
69.0	15.5	49.7	7.1												
70.0				20.0	54.6	7.7	28.5	62.9	8.7	36.3	68.7	9.4			
72.0				16.2	50.2	6.8									
75.0							17.4	50.7	8.1	28.2	60.6	8.9			
76.0							16.3	49.4	7.2						
79.1													35.0	61.3	9.0
80.0										16.9	48.2	8.4	33.7	60.0	9.0
81.0										15.7	46.8	7.5			
85.0													24.8	50.8	8.2
89.0													16.6	41.6	7.6

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 71.0 m Plumín															
19.0	78.0	101.4	13.8												
20.0	77.2	101.2	13.7												
22.0	75.5	100.7	13.0												
24.0	73.8	100.1	12.5												
26.0	72.1	99.5	12.1												
27.5				73.0	99.5	12.1									
28.0	70.4	98.8	11.8	72.6	99.4	12.1									
30.0	68.6	98.0	11.5	70.9	98.7	11.9									
32.0	66.9	97.1	11.2	69.1	97.9	11.6									
34.0	65.1	96.2	10.9	67.4	97.1	11.3									
36.0	63.3	95.2	10.7	65.6	96.2	11.0									
38.0	61.4	94.2	10.5	63.8	95.2	10.8									
40.0	59.6	93.0	10.2	62.0	94.2	10.6									
40.7							65.0	95.0	10.9						
42.0	57.6	91.7	10.0	60.1	93.1	10.4	63.8	94.3	10.9						
44.0	55.7	90.4	9.8	58.2	91.8	10.1	62.0	93.3	10.6						
46.0	53.7	88.9	9.6	56.3	90.5	9.9	60.1	92.2	10.4						
48.0	51.6	87.4	9.4	54.3	89.1	9.7	58.2	90.9	10.2						
50.0	49.5	85.7	9.2	52.2	87.6	9.5	56.3	89.6	10.0						
55.0	43.9	80.9	8.7	46.9	83.2	9.1	51.2	85.9	9.6						
56.1										55.0	86.8	9.6			
60.0	37.6	75.0	8.3	40.9	77.9	8.7	45.8	81.4	9.2	51.0	83.8	9.4			
65.0	30.2	67.3	7.7	34.2	71.2	8.2	39.7	75.8	8.8	45.6	79.2	9.1			
70.0	20.6	56.5	6.8	26.0	62.4	7.5	32.8	68.9	8.4	39.5	73.7	8.8			
72.0	15.2	50.1	6.4												
75.0				15.8	50.6	6.2	24.1	59.4	7.8	32.5	66.6	8.5			
79.0							16.0	49.9	6.7						
80.0										23.7	57.0	8.0			
81.6													35.0	63.0	8.2
84.0										15.4	47.2	7.0			
85.0													29.7	57.5	8.0
90.0													21.3	48.1	7.1
92.0													16.2	42.1	6.8

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 74.0 m Plumín															
19.6	78.0	104.3	12.5												
20.0	77.7	104.2	12.5												
22.0	76.1	103.8	12.0												
24.0	74.5	103.2	11.5												
26.0	72.8	102.6	11.1												
28.0	71.2	101.9	10.8												
28.4				73.0	102.4	11.0									
30.0	69.5	101.2	10.6	71.7	101.9	10.9									
32.0	67.9	100.4	10.3	70.0	101.1	10.6									
34.0	66.2	99.5	10.1	68.4	100.4	10.4									
36.0	64.4	98.6	9.8	66.7	99.5	10.1									
38.0	62.7	97.6	9.7	64.9	98.6	9.9									
40.0	60.9	96.5	9.5	63.2	97.6	9.7									
42.0	59.1	95.3	9.3	61.4	96.5	9.5	65.0	97.7	9.8						
44.0	57.3	94.0	9.1	59.6	95.4	9.3	63.2	96.7	9.8						
46.0	55.4	92.7	8.9	57.8	94.1	9.2	61.5	95.6	9.5						
48.0	53.5	91.2	8.8	55.9	92.8	9.0	59.7	94.5	9.4						
50.0	51.5	89.6	8.7	54.0	91.3	8.9	57.9	93.2	9.2						
55.0	46.3	85.2	8.3	49.0	87.3	8.5	53.1	89.7	8.8						
57.8										55.0	89.2	8.7			
60.0	40.6	79.8	7.9	43.6	82.4	8.2	48.0	85.5	8.6	52.9	87.6	8.6			
65.0	34.1	73.1	7.6	37.5	76.4	8.0	42.5	80.4	8.3	47.8	83.4	8.4			
70.0	26.2	64.3	6.8	30.5	68.9	7.4	36.3	74.2	8.1	42.3	78.3	8.2			
75.0	16.7	52.8	5.4	21.5	58.3	6.7	29.0	66.2	7.6	36.0	72.0	8.0			
78.0				15.5	51.0	5.8									
80.0							19.3	54.8	7.0	28.7	64.0	7.7			
82.0							15.6	50.3	6.3						
84.0															
85.0										18.8	52.3	7.2	35.0	64.8	7.5
87.0										15.1	47.6	6.6	33.7	63.3	7.5
90.0													25.7	54.3	7.0
95.0													15.9	42.5	6.3

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 77.0 m Plumín															
20.2	78.0	107.3	11.2												
22.0	76.6	106.9	11.0												
24.0	75.1	106.3	10.5												
26.0	73.5	105.7	10.1												
28.0	72.0	105.1	9.8												
29.3				73.0	105.3	9.9									
30.0	70.4	104.4	9.6	72.4	105.0	9.9									
32.0	68.8	103.6	9.3	70.8	104.3	9.6									
34.0	67.2	102.8	9.1	69.2	103.6	9.4									
36.0	65.5	101.9	8.9	67.6	102.8	9.2									
38.0	63.9	100.9	8.7	66.0	101.9	8.9									
40.0	62.2	99.9	8.5	64.3	100.9	8.7									
42.0	60.5	98.8	8.3	62.7	99.9	8.5									
43.3							65.0	100.4	8.7						
44.0	58.7	97.6	8.1	61.0	98.8	8.4	64.4	100.1	8.7						
46.0	56.9	96.3	8.0	59.2	97.7	8.2	62.7	99.0	8.6						
48.0	55.1	94.9	7.8	57.5	96.4	8.0	61.0	97.9	8.4						
50.0	53.3	93.4	7.7	55.7	95.0	7.9	59.3	96.8	8.2						
55.0	48.4	89.3	7.4	51.0	91.2	7.6	54.8	93.4	7.8						
59.6										55.0	91.7	7.6			
60.0	43.1	84.3	7.1	45.9	86.7	7.3	50.0	89.5	7.6	54.6	91.4	7.6			
65.0	37.3	78.3	6.8	40.4	81.3	7.0	44.9	84.8	7.3	49.8	87.4	7.4			
70.0	30.5	70.7	6.4	34.2	74.6	6.8	39.3	79.2	7.1	44.7	82.7	7.2			
75.0	21.9	60.3	5.7	26.7	65.8	6.2	32.8	72.2	6.9	39.0	77.0	7.0			
78.0	16.4	53.2	4.9												
80.0				16.2	52.8	5.7	25.0	62.9	6.5	32.6	70.0	6.8			
81.0				15.2	51.4	5.2									
85.0							15.3	50.7	5.7	24.7	60.6	6.6			
86.5													35.0	66.5	6.5
89.0										15.8	49.4	6.5			
90.0													30.1	60.9	6.5
95.0													21.3	50.2	6.0
98.0													15.5	42.9	5.6

## Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 80.0 m Plumín															
20.9	78.0	110.2	10.2												
22.0	77.2	109.9	10.1												
24.0	75.7	109.4	9.6												
26.0	74.2	108.9	9.3												
28.0	72.7	108.3	9.0												
30.0	71.2	107.6	8.7												
30.1				73.0	108.1	8.9									
32.0	69.6	106.9	8.5	71.6	107.5	8.8									
34.0	68.1	106.1	8.3	70.1	106.8	8.6									
36.0	66.5	105.2	8.1	68.5	106.0	8.4									
38.0	64.9	104.3	7.9	67.0	105.2	8.2									
40.0	63.3	103.3	7.7	65.4	104.3	7.9									
42.0	61.7	102.2	7.6	63.8	103.3	7.8									
44.0	60.0	101.1	7.4	62.2	102.3	7.6									
44.5							65.0	103.1	7.8						
46.0	58.3	99.9	7.2	60.5	101.1	7.4	63.8	102.4	7.8						
48.0	56.6	98.6	7.1	58.8	99.9	7.3	62.2	101.4	7.6						
50.0	54.9	97.2	6.9	57.1	98.7	7.1	60.5	100.3	7.5						
55.0	50.3	93.3	6.6	52.7	95.1	6.8	56.3	97.1	7.1						
60.0	45.4	88.7	6.4	48.0	90.9	6.5	51.8	93.4	6.8						
61.3										55.0	94.2	6.8			
65.0	40.1	83.1	6.2	42.9	85.8	6.3	47.0	89.0	6.5	51.6	91.3	6.6			
70.0	34.0	76.4	6.0	37.3	79.8	6.1	41.9	83.8	6.3	46.9	86.9	6.4			
75.0	26.8	67.7	5.5	30.7	72.2	5.8	36.1	77.5	6.1	41.7	81.7	6.2			
80.0	17.0	54.9	5.0	22.6	62.0	5.4	29.3	69.6	5.9	35.9	75.4	6.0			
81.0	16.0	53.6	4.4												
83.0				15.9	53.2	5.2									
85.0							20.7	58.6	5.8	29.1	67.3	6.0			
88.0							15.0	51.0	5.2						
89.0													35.0	68.2	5.7
90.0										20.3	56.2	6.0	33.6	66.6	5.7
92.0										15.5	49.8	6.0			
95.0													26.4	57.8	5.6
100.0													17.8	46.7	5.1
101.0													15.2	43.3	5.0

## Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 83.0 m Plumín															
21.5	78.0	113.1	9.1												
22.0	77.6	113.0	9.1												
24.0	76.2	112.5	8.8												
26.0	74.8	112.0	8.5												
28.0	73.3	111.4	8.2												
30.0	71.9	110.8	8.0												
31.0				73.0	111.0	8.1									
32.0	70.4	110.1	7.8	72.3	110.7	8.1									
34.0	68.9	109.3	7.6	70.8	110.0	7.9									
36.0	67.4	108.5	7.4	69.3	109.2	7.6									
38.0	65.9	107.6	7.2	67.8	108.4	7.5									
40.0	64.4	106.6	7.0	66.3	107.6	7.2									
42.0	62.8	105.6	6.9	64.8	106.6	7.1									
44.0	61.2	104.5	6.7	63.3	105.7	6.9									
45.8							65.0	105.9	7.0						
46.0	59.6	103.4	6.6	61.7	104.6	6.8	64.8	105.8	7.0						
48.0	58.0	102.2	6.4	60.1	103.4	6.6	63.3	104.8	6.9						
50.0	56.3	100.8	6.3	58.5	102.2	6.5	61.7	103.7	6.8						
55.0	52.0	97.2	6.0	54.3	98.8	6.2	57.7	100.7	6.4						
60.0	47.5	92.8	5.7	49.9	94.9	5.9	53.4	97.2	6.1						
63.0										55.0	96.6	6.0			
65.0	42.5	87.7	5.5	45.1	90.2	5.6	49.0	93.1	5.9	53.3	95.2	6.0			
70.0	37.0	81.6	5.2	39.9	84.6	5.4	44.2	88.3	5.6	48.8	91.0	5.7			
75.0	30.7	74.0	4.9	34.1	77.9	5.2	38.9	82.5	5.4	44.0	86.2	5.5			
80.0	23.0	63.9	4.5	27.2	69.3	4.9	32.9	75.5	5.2	38.7	80.4	5.3			
84.0	15.7	54.1	3.8												
85.0				18.1	57.0	4.6	25.7	66.4	5.1	32.7	73.3	5.2			
86.0				15.6	53.6	4.5									
90.0							15.7	52.8	4.9	25.4	64.1	5.1			
91.4													35.0	69.9	5.0
95.0										15.2	50.2	5.0	30.3	64.2	4.9
100.0													22.4	53.9	4.9
103.0													15.9	45.0	4.5

## Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 86.0 m Plumín															
22.1	78.0	116.1	8.3												
24.0	76.7	115.6	8.1												
26.0	75.3	115.1	7.8												
28.0	73.9	114.5	7.6												
30.0	72.5	113.9	7.3												
31.9				73.0	113.9	7.4									
32.0	71.1	113.3	7.2	72.9	113.8	7.4									
34.0	69.7	112.5	7.0	71.5	113.2	7.3									
36.0	68.2	111.7	6.8	70.1	112.5	7.0									
38.0	66.8	110.9	6.6	68.7	111.7	6.9									
40.0	65.3	110.0	6.5	67.2	110.9	6.7									
42.0	63.8	109.0	6.3	65.7	110.0	6.5									
44.0	62.3	108.0	6.2	64.3	109.0	6.4									
46.0	60.8	106.9	6.1	62.8	108.0	6.2									
47.1							65.0	108.6	6.4						
48.0	59.2	105.7	5.9	61.2	106.9	6.1	64.3	108.1	6.4						
50.0	57.7	104.4	5.8	59.7	105.7	6.0	62.8	107.1	6.2						
55.0	53.6	100.9	5.5	55.7	102.5	5.7	58.9	104.3	5.9						
60.0	49.3	96.9	5.3	51.5	98.8	5.4	54.9	100.9	5.6						
64.7										55.0	99.1	5.4			
65.0	44.7	92.1	4.9	47.1	94.4	5.1	50.7	97.1	5.4	54.8	98.9	5.4			
70.0	39.6	86.5	4.6	42.3	89.2	4.8	46.2	92.6	5.1	50.5	95.0	5.2			
75.0	34.0	79.7	4.4	37.0	83.1	4.6	41.3	87.2	4.9	46.0	90.5	5.1			
80.0	27.4	71.1	4.1	30.9	75.5	4.4	35.9	80.9	4.7	41.1	85.1	4.8			
85.0	18.7	59.1	3.8	23.5	65.6	4.2	29.7	73.0	4.5	35.7	78.7	4.7			
87.0	15.5	54.5	3.3												
89.0				15.3	54.0	4.0									
90.0							21.8	62.4	4.3	29.4	70.7	4.5			
93.0							15.4	53.2	4.2						
93.9													35.0	71.7	4.4
95.0										21.5	60.0	4.4	33.6	70.0	4.4
98.0										16.5	52.9	3.7			
100.0															
105.0													26.9	61.2	4.3
106.0													18.0	48.8	4.1
													15.6	45.4	4.0



### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 89.0 m Plumín															
22.7	78.0	119.0	7.3												
24.0	77.2	118.7	7.2												
26.0	75.8	118.2	7.0												
28.0	74.5	117.7	6.7												
30.0	73.1	117.1	6.5												
32.0	71.8	116.4	6.3												
32.8				73.0	116.7	6.4									
34.0	70.4	115.7	6.2	72.2	116.3	6.4									
36.0	69.0	115.0	6.0	70.8	115.6	6.2									
38.0	67.6	114.1	5.8	69.4	114.9	6.0									
40.0	66.2	113.3	5.6	68.0	114.1	5.9									
42.0	64.8	112.3	5.5	66.6	113.3	5.7									
44.0	63.3	111.4	5.4	65.2	112.3	5.5									
46.0	61.9	110.3	5.3	63.8	111.4	5.4									
48.0	60.4	109.2	5.1	62.3	110.3	5.3									
48.3							65.0	111.3	5.4						
50.0	58.9	108.0	5.0	60.8	109.2	5.2	63.8	110.5	5.4						
55.0	55.0	104.7	4.7	57.0	106.1	4.8	60.1	107.8	5.1						
60.0	50.9	100.8	4.5	53.1	102.6	4.6	56.3	104.6	4.8						
65.0	46.6	96.4	4.2	48.9	98.5	4.4	52.3	100.9	4.6						
66.4										55.0	101.5	4.6			
70.0	41.9	91.1	4.0	44.4	93.7	4.1	48.0	96.7	4.4	52.1	98.9	4.5			
75.0	36.8	84.9	3.7	39.5	88.0	3.9	43.5	91.7	4.1	47.9	94.6	4.3			
80.0	30.9	77.4	3.5	34.1	81.2	3.7	38.5	85.9	4.0	43.3	89.6	4.1			
85.0	23.8	67.5	3.3	27.7	72.7	3.5	32.9	78.8	3.8	38.3	83.7	3.9			
90.0	15.2	54.8	2.7	19.5	61.0	3.3	26.3	69.8	3.6	32.7	76.6	3.8			
92.0				15.1	54.4	3.2									
95.0							17.5	57.1	3.4	26.0	67.5	3.6			
96.0							15.2	53.6	3.4						
96.3													35.0	73.4	3.6
100.0										17.1	54.6	3.5	30.6	67.6	3.5
101.0										16.2	53.3	3.0			
105.0													23.3	57.5	3.5
109.0													15.4	45.8	3.4

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 92.0 m Plumín															
23.4	78.0	121.9	6.5												
24.0	77.6	121.8	6.5												
26.0	76.3	121.3	6.3												
28.0	75.0	120.8	6.0												
30.0	73.7	120.2	5.9												
32.0	72.4	119.6	5.6												
33.7				73.0	119.6	5.7									
34.0	71.1	118.9	5.5	72.8	119.5	5.7									
36.0	69.7	118.2	5.3	71.5	118.8	5.5									
38.0	68.4	117.4	5.2	70.1	118.1	5.3									
40.0	67.0	116.6	5.0	68.8	117.3	5.2									
42.0	65.7	115.7	4.8	67.4	116.5	5.0									
44.0	64.3	114.7	4.7	66.1	115.6	4.9									
46.0	62.9	113.7	4.6	64.7	114.7	4.7									
48.0	61.5	112.6	4.5	63.3	113.7	4.6									
49.6							65.0	114.0	4.7						
50.0	60.0	111.5	4.3	61.9	112.7	4.5	64.7	113.8	4.7						
55.0	56.3	108.3	4.1	58.2	109.7	4.2	61.2	111.2	4.4						
60.0	52.5	104.7	3.8	54.5	106.3	4.0	57.5	108.2	4.2						
65.0	48.4	100.5	3.6	50.5	102.4	3.8	53.7	104.7	3.9						
68.2										55.0	104.0	3.9			
70.0	44.0	95.6	3.4	46.3	97.9	3.5	49.7	100.7	3.7	53.6	102.7	3.8			
75.0	39.3	89.9	3.2	41.8	92.6	3.3	45.5	96.1	3.5	49.6	98.6	3.6			
80.0	34.0	83.0	3.0	36.8	86.4	3.2	40.9	90.6	3.4	45.3	93.9	3.5			
85.0	27.8	74.5	2.8	31.1	78.9	3.0	35.8	84.2	3.2	40.7	88.5	3.3			
90.0	20.0	63.0	2.6	24.3	69.2	2.8	29.9	76.3	3.0	35.6	82.0	3.2			
92.0	15.8	56.6	2.5												
95.0				16.3	57.1	2.2	22.8	66.0	2.9	29.7	74.0	3.1			
98.8													35.0	75.1	3.0
99.0							16.4	56.3	2.4						
100.0										22.5	63.6	2.9	33.6	73.3	3.0
104.0										16.0	53.7	2.4			
105.0													27.4	64.6	2.9
110.0													19.4	52.8	2.8
112.0													15.1	46.2	2.8

### Cargas pluma principal + plumín abatible

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 ]
29.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 95.0 m Plumín															
24.0	78.0	124.9	6.0												
26.0	76.7	124.4	5.9												
28.0	75.5	123.9	5.7												
30.0	74.2	123.3	5.5												
32.0	73.0	122.7	5.3												
34.0	71.7	122.1	5.1												
34.5				73.0	122.5	5.2									
36.0	70.4	121.4	5.0	72.1	122.0	5.2									
38.0	69.1	120.6	4.8	70.8	121.3	5.0									
40.0	67.8	119.8	4.7	69.5	120.6	4.9									
42.0	66.5	119.0	4.5	68.2	119.8	4.7									
44.0	65.2	118.0	4.4	66.9	118.9	4.6									
46.0	63.8	117.1	4.3	65.5	118.0	4.4									
48.0	62.4	116.0	4.2	64.2	117.1	4.3									
50.0	61.1	114.9	4.1	62.8	116.1	4.2									
50.9							65.0	116.7	4.3						
55.0	57.5	111.9	3.7	59.4	113.2	3.9	62.2	114.6	4.2						
60.0	53.8	108.4	3.4	55.8	110.0	3.6	58.7	111.7	3.9						
65.0	50.0	104.5	3.2	52.0	106.3	3.4	55.1	108.4	3.6						
69.9										55.0	106.5	3.5			
70.0	45.9	99.9	2.8	48.0	102.0	3.0	51.3	104.6	3.3	54.9	106.4	3.5			
75.0	41.5	94.5	2.5	43.8	97.1	2.7	47.2	100.2	3.0	51.1	102.5	3.3			
80.0				39.2	91.4	2.5	42.9	95.2	2.8	47.1	98.1	3.0			
85.0							38.2	89.2	2.5	42.8	93.0	2.7			
90.0										38.0	87.1	2.5			
95.0										32.8	79.9	2.3			
101.2													35.0	76.8	2.2
105.0													30.8	70.9	2.1
109.0													25.6	63.3	2.0

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 20.0 m Plumín															
8.4	78.0	54.5	117.0												
9.0	76.3	54.4	117.0												
10.0	73.3	54.1	115.0												
11.0	70.3	53.7	106.0												
12.0	67.2	53.3	96.3												
13.0	64.0	52.8	86.9	73.0	53.7	104.7									
14.0	60.7	52.2	79.5	69.8	53.3	99.6									
16.0	53.8	50.9	65.2	63.5	52.4	87.2									
18.0	46.1	49.1	55.1	56.8	51.2	74.9									
19.9							65.0	51.7	30.1						
20.0	37.2	46.7	46.7	49.4	49.6	64.3	65.0	51.7	68.9						
22.0	25.7	43.2	40.6	41.2	47.5	53.1	58.3	50.5	62.6						
23.0	17.3	40.5	37.5												
24.0				31.0	44.6	45.8	51.2	49.0	56.6						
26.0				15.5	39.6	39.8	43.2	47.0	51.3						
28.0							33.6	44.4	46.8						
28.1										55.0	47.7	30.1			
30.0							20.1	40.1	42.9	48.5	46.3	40.3			
32.0										40.0	44.1	37.2			
34.0										29.6	41.1	34.5			
36.0										16.5	36.8	15.1			
41.9													35.0	35.9	23.3
42.0													34.6	35.8	23.3
44.0													21.4	31.7	21.9
45.0													17.8	30.5	15.1

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 23.0 m Plumín															
9.1	78.0	57.4	113.7												
10.0	75.6	57.2	110.2												
11.0	73.0	56.9	103.4												
12.0	70.3	56.5	94.9												
13.0	67.6	56.1	86.6												
13.8				73.0	56.6	96.8									
14.0	64.9	55.7	78.0	72.6	56.5	96.7									
16.0	59.2	54.5	65.3	67.2	55.7	86.0									
18.0	53.1	53.1	54.7	61.6	54.7	76.3									
20.0	46.4	51.3	47.0	55.7	53.4	63.8									
21.2							65.0	54.4	30.1						
22.0	38.8	49.1	40.5	49.3	51.8	55.0	62.9	54.0	61.5						
24.0	29.7	46.0	36.1	42.1	49.8	47.0	57.1	52.8	56.3						
26.0	16.0	40.9	32.2	33.8	47.1	41.2	50.8	51.2	51.0						
28.0				22.8	43.1	37.0	43.9	49.3	46.6						
29.0				17.6	41.2	15.1									
29.9										55.0	50.2	30.1			
30.0							35.8	46.8	42.8	55.0	50.2	40.0			
32.0							25.7	43.2	39.5	48.5	48.5	36.9			
33.0							18.7	40.6	38.0						
34.0										41.2	46.4	34.3			
36.0										32.6	43.6	31.9			
38.0										18.7	38.5	29.8			
39.0										15.2	37.2	15.1			
44.4													35.0	37.6	21.4
46.0													28.1	35.3	20.5
48.0													16.5	30.9	15.1

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 26.0 m Plumín															
9.7	78.0	60.4	110.8												
10.0	77.3	60.3	110.8												
11.0	75.0	60.0	102.3												
12.0	72.7	59.7	93.5												
13.0	70.4	59.4	85.3												
14.0	68.0	59.0	78.0												
14.7				73.0	59.5	89.4									
16.0	63.1	58.0	64.3	70.0	59.0	84.3									
18.0	58.0	56.8	54.2	65.2	58.1	74.4									
20.0	52.5	55.4	46.0	60.1	57.0	65.6									
22.0	46.6	53.6	40.1	54.8	55.7	54.5									
22.5							65.0	57.1	59.2						
24.0	40.0	51.4	35.0	49.2	54.1	47.2	61.3	56.3	55.6						
26.0	32.3	48.5	31.5	42.9	52.1	41.5	56.1	55.0	50.9						
28.0	22.3	44.4	29.2	35.8	49.5	37.1	50.5	53.5	46.5						
29.0	17.7	42.5	15.1												
30.0				27.0	46.1	33.9	44.4	51.6	42.7						
31.6										55.0	52.6	30.1			
32.0				16.4	41.6	15.1	37.5	49.1	39.4	54.2	52.4	36.7			
34.0							29.2	46.0	36.6	48.4	50.8	34.1			
36.0							17.5	41.0	34.1	42.1	48.7	31.8			
38.0										33.8	45.7	29.7			
40.0										25.7	42.4	27.9			
41.0										17.5	39.0	27.0			
46.8													35.0	39.4	19.8
48.0													30.0	37.4	19.2
50.0													20.5	33.5	18.2
51.0													15.4	31.3	15.1

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 29.0 m Plumín															
10.3	78.0	63.3	101.3												
11.0	76.6	63.1	100.0												
12.0	74.5	62.9	91.6												
13.0	72.5	62.5	83.7												
14.0	70.4	62.2	76.6												
15.6				73.0	62.3	82.6									
16.0	66.1	61.3	63.9	72.1	62.2	82.5									
18.0	61.6	60.3	54.3	67.9	61.4	73.6									
20.0	57.0	59.1	45.8	63.5	60.5	64.7									
22.0	52.1	57.6	39.4	59.0	59.3	56.2									
23.7							65.0	59.8	30.1						
24.0	46.8	55.8	35.1	54.2	57.9	47.9	64.5	59.7	54.6						
26.0	41.0	53.7	31.5	49.1	56.3	42.2	60.0	58.6	50.4						
28.0	34.3	51.0	28.8	43.5	54.3	37.7	55.3	57.3	46.2						
30.0	26.2	47.4	26.8	37.2	51.9	34.0	50.2	55.7	42.4						
32.0	16.7	42.9	15.1	29.9	48.7	31.3	44.8	53.8	39.2						
33.3										55.0	55.1	30.1			
34.0				20.1	44.2	28.6	38.7	51.5	36.4	53.6	54.7	33.8			
35.0				15.5	42.0	15.1									
36.0							31.7	48.5	33.9	48.4	53.0	31.5			
38.0							22.7	44.4	31.7	42.8	51.0	29.5			
39.0							16.5	41.5	30.6						
40.0										35.6	48.1	27.6			
42.0										28.9	45.2	26.0			
44.0										18.6	40.4	24.5			
49.3													35.0	41.1	18.2
50.0													32.4	40.0	17.9
53.0													17.4	33.0	16.5

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 32.0 m Plumín															
10.9	78.0	66.2	93.5												
11.0	77.9	66.2	93.5												
12.0	76.0	66.0	90.4												
13.0	74.2	65.7	82.8												
14.0	72.3	65.4	75.5												
16.0	68.5	64.6	64.0												
16.5				73.0	65.2	76.6									
18.0	64.5	63.7	53.3	70.1	64.7	72.3									
20.0	60.5	62.6	45.8	66.2	63.8	64.1									
22.0	56.2	61.3	39.1	62.2	62.8	56.7									
24.0	51.7	59.8	33.9	58.0	61.6	49.0									
25.0							65.0	62.5	30.1						
26.0	46.9	58.1	30.9	53.6	60.2	42.5	63.1	62.1	49.8						
28.0	41.7	55.9	28.4	49.0	58.5	38.0	59.0	60.9	46.1						
30.0	35.9	53.4	26.4	43.9	56.6	34.4	54.6	59.5	42.4						
32.0	29.0	50.1	24.8	38.4	54.2	31.3	50.1	57.9	39.1						
34.0	20.0	45.5	23.1	32.0	51.3	29.0	45.1	56.1	36.3						
35.0	15.9	43.3	15.1							55.0	57.6	30.1			
36.0										53.1	56.9	31.4			
37.0				24.2	47.4	26.7	39.7	53.8	33.9						
				19.1	44.7	25.6									
38.0							33.6	51.0	31.7	48.0	55.1	29.4			
40.0							26.1	47.4	29.7	42.8	53.0	27.6			
42.0							15.6	41.8	27.9	37.0	50.5	25.9			
44.0										31.2	47.8	24.5			
46.0										21.6	43.0	23.1			
47.0										17.6	40.8	22.5			
51.8													35.0	42.8	17.0
55.0													22.3	36.5	15.7
56.0													16.5	33.5	15.3



### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 35.0 m Plumín															
11.6	78.0	69.2	85.8												
12.0	77.3	69.1	85.8												
13.0	75.6	68.8	80.8												
14.0	73.9	68.5	75.0												
16.0	70.4	67.8	62.7												
17.3				73.0	68.1	71.0									
18.0	66.9	67.0	53.1	71.9	67.8	70.8									
20.0	63.2	66.1	45.1	68.4	67.1	63.7									
22.0	59.5	64.9	39.3	64.8	66.2	55.8									
24.0	55.5	63.6	34.4	61.1	65.1	49.7									
26.0	51.4	62.1	30.6	57.2	63.9	43.3									
26.3							65.0	65.3	48.4						
28.0	47.0	60.3	28.2	53.2	62.4	38.4	61.9	64.4	45.5						
30.0	42.3	58.2	26.0	48.9	60.8	34.8	58.1	63.2	42.1						
32.0	37.1	55.7	24.2	44.3	58.8	31.6	54.1	61.8	38.9						
34.0	31.1	52.7	22.8	39.3	56.5	28.9	49.9	60.2	36.1						
36.0	23.7	48.6	21.4	33.7	53.7	26.8	45.4	58.3	33.6						
36.7										55.0	60.0	30.1			
38.0	15.1	43.7	15.1	27.0	50.2	24.9	40.5	56.1	31.4	52.4	59.1	29.1			
40.0				18.2	45.2	22.9	34.4	53.1	29.5	48.0	57.3	27.3			
42.0							27.7	49.6	27.7	43.7	55.5	25.7			
44.0							19.1	44.7	26.1	38.1	52.8	24.2			
45.0							17.0	43.4	15.1						
46.0										33.0	50.2	22.9			
48.0										25.1	46.0	21.6			
50.0										16.8	41.3	20.5			
54.2													35.0	44.5	15.7
55.0													32.6	43.3	15.4
59.0													19.3	36.0	14.0

## Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 38.0 m Plumín															
12.2	78.0	72.1	79.4												
13.0	76.7	71.9	79.0												
14.0	75.2	71.7	73.1												
16.0	72.0	71.0	62.0												
18.0	68.8	70.3	53.2												
18.2				73.0	70.9	66.3									
20.0	65.5	69.4	44.7	70.1	70.3	62.9									
22.0	62.1	68.4	38.6	66.9	69.5	56.5									
24.0	58.6	67.2	34.3	63.5	68.5	49.1									
26.0	55.0	65.9	30.7	60.1	67.4	43.8									
27.5							65.0	68.0	30.1						
28.0	51.2	64.3	27.9	56.5	66.1	38.9	64.3	67.8	44.8						
30.0	47.1	62.5	25.8	52.8	64.7	35.1	60.9	66.7	41.8						
32.0	42.8	60.5	24.0	48.8	63.0	32.1	57.3	65.5	38.7						
34.0	38.1	58.1	22.3	44.6	61.1	29.3	53.6	64.0	35.9						
36.0	32.7	55.1	21.0	40.1	58.8	26.9	49.8	62.4	33.4						
38.0	26.5	51.5	19.8	35.1	56.1	25.0	45.6	60.5	31.3						
38.5										55.0	62.5	28.4			
40.0	18.3	46.4	18.6	29.3	52.8	23.3	40.7	58.1	29.3	52.1	61.3	27.1			
42.0				22.1	48.5	21.6	35.7	55.5	27.6	48.4	59.7	25.5			
43.0				17.4	45.6	20.8									
44.0							29.9	52.2	26.0	43.7	57.5	24.0			
46.0							23.9	48.6	24.6	39.0	55.2	22.7			
48.0							16.2	43.9	15.1	34.4	52.7	21.5			
50.0										28.5	49.3	20.4			
53.0										16.1	41.7	18.8			
56.7													35.0	46.2	14.6
60.0													26.6	41.4	13.5
62.0													18.5	36.4	12.8

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 41.0 m Plumín															
12.8	78.0	75.0	71.8												
13.0	77.7	75.0	71.8												
14.0	76.3	74.8	70.5												
16.0	73.4	74.2	61.7												
18.0	70.4	73.5	51.9												
19.1				73.0	73.8	60.9									
20.0	67.4	72.7	44.6	71.7	73.5	60.7									
22.0	64.3	71.8	38.1	68.7	72.7	55.1									
24.0	61.2	70.7	33.5	65.6	71.9	49.2									
26.0	57.9	69.5	30.3	62.5	70.9	44.0									
28.0	54.5	68.1	27.5	59.3	69.7	39.5									
28.8							65.0	70.7	30.1						
30.0	50.9	66.6	25.4	55.9	68.4	35.4	63.2	70.1	41.1						
32.0	47.2	64.8	23.6	52.5	66.9	32.1	60.0	69.0	38.4						
34.0	43.2	62.7	22.0	48.8	65.2	29.5	56.7	67.7	35.6						
36.0	38.9	60.4	20.5	44.9	63.3	27.0	53.3	66.3	33.2						
38.0	34.1	57.6	19.3	40.7	61.1	24.9	49.6	64.7	31.0						
40.0	28.6	54.2	18.3	36.2	58.5	23.1	45.8	62.8	29.1						
40.2										55.0	64.9	26.6			
42.0	21.8	49.8	17.2	31.0	55.4	21.6	41.3	60.4	27.3	52.0	63.6	25.2			
43.0	17.5	46.9	16.7												
44.0				24.9	51.5	20.2	36.7	57.8	25.8	48.0	61.8	23.7			
46.0				16.7	46.0	18.7	32.3	55.2	24.4	44.1	59.8	22.4			
48.0							26.4	51.5	23.1	39.8	57.5	21.2			
50.0							17.5	45.6	21.8	35.0	54.7	20.1			
51.0							15.6	44.3	15.1						
55.0										20.2	45.3	17.7			
56.0										15.5	42.1	17.2			
59.1													35.0	48.0	13.4
60.0													34.2	47.5	13.2
65.0													17.8	36.9	11.7

## Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 44.0 m Plumín															
13.4	78.0	78.0	65.5												
14.0	77.2	77.8	65.5												
16.0	74.5	77.3	59.9												
18.0	71.8	76.7	51.5												
20.0	69.0	75.9	44.6	73.0	76.7	56.5									
22.0	66.2	75.1	38.0	70.2	76.0	53.8									
24.0	63.3	74.1	33.0	67.4	75.2	49.7									
26.0	60.3	73.0	29.6	64.5	74.2	44.1									
28.0	57.3	71.8	27.1	61.6	73.2	40.2									
30.0	54.1	70.4	25.0	58.6	72.0	36.1									
30.1							65.0	73.4	40.3						
32.0	50.8	68.8	23.4	55.4	70.7	32.6	62.3	72.4	38.0						
34.0	47.3	67.0	21.8	52.2	69.2	29.7	59.3	71.3	35.5						
36.0	43.6	65.0	20.4	48.8	67.5	27.4	56.1	70.0	33.1						
38.0	39.6	62.7	19.1	45.1	65.6	25.2	52.9	68.5	30.9						
40.0	35.2	60.0	18.0	41.3	63.4	23.3	49.3	66.8	29.0						
41.9										55.0	67.4	25.1			
42.0	30.3	56.8	17.0	37.1	60.9	21.6	45.7	64.8	27.2	54.8	67.3	25.0			
44.0	24.5	52.8	16.1	32.5	57.9	20.3	41.8	62.7	25.7	51.5	65.8	23.6			
46.0	16.9	47.3	15.2	27.1	54.3	19.0	38.1	60.5	24.3	48.0	64.0	22.3			
48.0				20.4	49.6	17.7	33.0	57.3	23.0	44.3	62.0	21.1			
49.0				16.1	46.4	17.0									
50.0							27.6	53.7	21.8	40.4	59.8	20.0			
54.0							15.0	44.6	15.1						
55.0										28.5	52.2	17.6			
59.0										16.5	43.7	15.1			
61.6													35.0	49.7	12.5
65.0													27.7	44.9	11.6
68.0													17.1	37.3	10.8

## Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 47.0 m Plumín															
14.1	78.0	80.9	59.9												
16.0	75.6	80.4	57.3												
18.0	73.0	79.8	51.3												
20.0	70.4	79.2	43.4												
20.8				73.0	79.5	52.3									
22.0	67.8	78.4	37.9	71.5	79.2	51.9									
24.0	65.1	77.5	33.0	68.9	78.4	47.7									
26.0	62.4	76.5	29.3	66.3	77.6	43.8									
28.0	59.6	75.3	26.7	63.6	76.6	39.8									
30.0	56.7	74.0	24.6	60.8	75.5	36.6									
31.3							65.0	76.1	30.1						
32.0	53.7	72.6	22.8	57.9	74.3	32.9	64.2	75.8	37.4						
34.0	50.6	71.0	21.3	55.0	72.9	29.8	61.4	74.8	35.1						
36.0	47.3	69.2	19.9	51.9	71.4	27.3	58.6	73.6	32.8						
38.0	43.9	67.2	18.6	48.7	69.7	25.2	55.7	72.3	30.6						
40.0	40.2	65.0	17.5	45.4	67.8	23.3	52.4	70.7	28.7						
42.0	36.2	62.4	16.4	41.8	65.7	21.5	49.2	69.0	27.0						
43.6										55.0	69.9	23.5			
44.0	31.7	59.3	15.6	37.9	63.2	20.0	45.8	67.1	25.4	54.4	69.6	23.3			
46.0	26.6	55.6	14.8	33.7	60.4	18.8	42.2	65.0	24.0	51.3	68.0	22.0			
48.0	20.3	50.9	14.0	28.9	57.0	17.6	38.4	62.5	22.7	48.1	66.3	20.8			
49.0	16.3	47.7	13.6												
50.0				23.2	52.8	16.5	34.7	60.0	21.6	44.6	64.3	19.7			
52.0				15.6	46.8	15.3									
55.0							21.4	50.4	19.0	34.8	58.1	17.3			
56.0							17.6	47.4	18.5						
60.0										22.4	49.1	15.4			
62.0										16.0	44.1	14.7			
64.0													35.0	51.4	11.5
65.0													34.1	50.8	11.3
70.0													20.5	40.9	10.1
71.0													16.5	37.7	9.9

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 50.0 m Plumín															
14.7	78.0	83.9	55.4												
16.0	76.4	83.5	54.9												
18.0	74.1	83.0	50.4												
20.0	71.7	82.3	43.1												
21.7				73.0	82.4	49.0									
22.0	69.2	81.6	37.5	72.7	82.3	48.9									
24.0	66.7	80.8	33.0	70.2	81.6	46.9									
26.0	64.2	79.8	29.3	67.8	80.8	43.6									
28.0	61.6	78.8	26.5	65.3	79.9	39.7									
30.0	59.0	77.6	24.4	62.7	78.9	36.5									
32.0	56.2	76.3	22.5	60.1	77.8	33.6									
32.6							65.0	78.8	30.1						
34.0	53.4	74.9	20.9	57.4	76.6	30.3	63.3	78.2	34.6						
36.0	50.5	73.3	19.7	54.6	75.2	27.6	60.7	77.1	32.6						
38.0	47.4	71.5	18.4	51.7	73.7	25.4	58.0	75.9	30.4						
40.0	44.1	69.5	17.2	48.7	71.9	23.5	55.2	74.5	28.5						
42.0	40.7	67.3	16.2	45.5	70.0	21.7	52.2	72.9	26.8						
44.0	37.0	64.7	15.2	42.2	67.9	20.1	49.1	71.2	25.2						
45.3										55.0	72.3	22.2			
46.0	32.9	61.8	14.5	38.6	65.5	18.7	46.0	69.3	23.8	54.1	71.8	21.8			
48.0	28.4	58.3	13.8	34.7	62.8	17.6	43.0	67.4	22.6	51.1	70.2	20.6			
50.0	22.9	54.0	13.0	30.4	59.6	16.6	39.0	64.8	21.4	48.1	68.5	19.5			
52.0	15.8	48.1	12.3												
55.0				15.1	47.2	14.0	28.4	57.1	18.8	40.0	63.4	17.2			
59.0							17.0	47.9	17.1						
60.0										29.2	55.6	15.2			
65.0										15.5	44.5	13.5			
66.5													35.0	53.1	10.7
70.0													28.5	48.3	9.9
74.0													16.0	38.2	9.0

## Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 53.0 m Plumín															
15.3	78.0	86.8	50.2												
16.0	77.2	86.6	50.2												
18.0	75.0	86.1	47.5												
20.0	72.7	85.5	42.8												
22.0	70.4	84.8	36.5												
22.6				73.0	85.3	44.5									
24.0	68.1	84.0	32.3	71.4	84.8	44.1									
26.0	65.8	83.2	28.8	69.1	84.1	41.5									
28.0	63.4	82.2	26.1	66.8	83.2	39.1									
30.0	60.9	81.1	24.0	64.4	82.3	35.9									
32.0	58.4	79.9	22.1	61.9	81.3	33.5									
33.9							65.0	81.6	33.9						
34.0	55.8	78.6	20.5	59.4	80.1	30.6	64.9	81.5	33.9						
36.0	53.1	77.1	19.1	56.9	78.8	27.7	62.5	80.5	32.0						
38.0	50.3	75.5	18.0	54.2	77.4	25.2	60.0	79.4	30.2						
40.0	47.4	73.7	16.8	51.5	75.9	23.2	57.3	78.1	28.2						
42.0	44.4	71.7	15.8	48.7	74.2	21.5	54.7	76.7	26.5						
44.0	41.2	69.5	14.8	45.7	72.3	19.9	51.9	75.2	25.0						
46.0	37.7	67.1	14.0	42.5	70.2	18.5	49.1	73.5	23.6						
47.1										55.0	74.8	20.8			
48.0	34.0	64.2	13.2	39.2	67.8	17.2	46.1	71.6	22.3	53.7	74.1	20.3			
50.0	29.8	60.9	12.6	35.6	65.2	16.1	43.0	69.5	21.1	51.0	72.5	19.2			
55.0	15.3	48.5	11.0	24.6	56.3	13.8	34.1	63.0	18.6	43.5	67.7	16.9			
58.0				16.0	48.9	11.5									
60.0							23.1	54.0	16.5	35.7	62.2	15.0			
62.0							16.5	48.3	15.7						
65.0										24.8	53.4	13.3			
68.0										15.0	44.9	12.4			
69.0													35.0	54.8	9.8
70.0													34.1	54.1	9.6
75.0													22.4	44.6	8.6
77.0													15.5	38.6	8.1

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 56.0 m Plumín															
15.9	78.0	89.7	46.2												
16.0	77.9	89.7	46.2												
18.0	75.8	89.2	45.1												
20.0	73.7	88.6	42.8												
22.0	71.5	88.0	36.3												
23.5				73.0	88.1	41.1									
24.0	69.4	87.3	31.6	72.4	88.0	41.0									
26.0	67.1	86.4	28.5	70.3	87.3	39.9									
28.0	64.9	85.5	25.8	68.1	86.5	38.3									
30.0	62.6	84.5	23.8	65.8	85.6	35.7									
32.0	60.3	83.4	22.0	63.6	84.7	33.1									
34.0	57.9	82.2	20.4	61.2	83.6	31.2									
35.2							65.0	84.3	32.0						
36.0	55.4	80.8	18.9	58.9	82.4	28.2	64.1	83.9	31.6						
38.0	52.8	79.4	17.7	56.4	81.1	25.6	61.8	82.8	29.8						
40.0	50.2	77.7	16.7	53.9	79.7	23.4	59.3	81.6	28.1						
42.0	47.5	76.0	15.7	51.3	78.1	21.6	56.9	80.4	26.4						
44.0	44.6	74.0	14.7	48.6	76.4	20.0	54.5	79.0	24.9						
46.0	41.6	71.8	13.8	45.8	74.5	18.6	51.9	77.5	23.5						
48.0	38.3	69.4	13.0	42.9	72.4	17.3	49.0	75.7	22.2						
48.8										55.0	77.2	19.7			
50.0	34.9	66.6	12.3	39.7	70.1	16.1	46.2	73.8	21.0	53.4	76.3	19.1			
55.0	24.3	57.6	10.9	30.7	62.9	13.8	38.5	68.2	18.5	46.7	72.0	16.7			
58.0	16.2	50.2	8.9												
60.0				18.0	51.6	11.7	29.0	60.5	16.4	39.9	67.1	14.8			
61.0				15.6	49.3	10.4									
65.0							16.1	48.7	14.6	30.9	59.9	13.2			
70.0										18.3	48.7	11.8			
71.4													35.0	56.6	9.1
75.0													29.1	51.6	8.4
80.0													15.1	38.9	7.4



### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 59.0 m Plumín															
16.5	78.0	92.7	42.4												
18.0	76.5	92.3	42.1												
20.0	74.5	91.8	40.2												
22.0	72.5	91.2	36.2												
24.0	70.5	90.5	31.4												
24.4				73.0	91.0	38.0									
26.0	68.4	89.7	28.1	71.3	90.5	37.7									
28.0	66.3	88.8	25.5	69.2	89.7	36.4									
30.0	64.1	87.9	23.4	67.1	88.9	35.1									
32.0	61.9	86.9	21.7	65.0	88.0	32.6									
34.0	59.7	85.7	20.1	62.8	87.0	30.6									
36.0	57.4	84.5	18.6	60.6	85.9	28.8									
36.4							65.0	87.0	29.8						
38.0	55.0	83.1	17.3	58.4	84.7	26.1	63.3	86.2	29.3						
40.0	52.6	81.6	16.2	56.0	83.4	23.7	61.0	85.1	27.7						
42.0	50.1	80.0	15.3	53.6	81.9	21.7	58.8	83.9	26.1						
44.0	47.5	78.2	14.4	51.2	80.4	20.1	56.4	82.6	24.6						
46.0	44.8	76.2	13.5	48.6	78.7	18.7	54.0	81.2	23.2						
48.0	41.9	74.1	12.7	45.9	76.8	17.3	51.6	79.6	21.9						
50.0	38.9	71.7	12.0	43.1	74.7	16.1	49.2	78.1	20.8						
50.5										55.0	79.7	18.5			
55.0	30.2	64.3	10.5	35.4	68.5	13.6	42.1	72.9	18.2	49.6	76.2	16.5			
60.0	18.1	52.8	9.2	25.7	59.8	11.7	34.0	66.3	16.1	43.3	71.7	14.6			
61.0	15.8	50.6	7.9												
64.0				15.2	49.6	9.1									
65.0							24.4	57.6	14.4	35.5	65.5	12.9			
68.0							15.6	49.1	13.2						
70.0										25.9	56.9	11.6			
73.0										17.8	49.2	10.8			
73.9													35.0	58.3	8.3
75.0													34.0	57.4	8.1
80.0													23.8	48.2	7.0
82.0													18.2	42.8	6.6

## Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 62.0 m Plumín															
17.2	78.0	95.6	39.2												
18.0	77.2	95.4	39.2												
20.0	75.3	94.9	37.9												
22.0	73.4	94.3	36.1												
24.0	71.4	93.7	31.2												
25.2				73.0	93.9	35.4									
26.0	69.5	92.9	27.8	72.3	93.6	35.4									
28.0	67.5	92.1	25.3	70.3	92.9	34.8									
30.0	65.5	91.2	23.1	68.3	92.2	33.8									
32.0	63.4	90.2	21.3	66.3	91.3	32.2									
34.0	61.3	89.2	19.9	64.3	90.4	30.2									
36.0	59.2	88.0	18.5	62.2	89.3	28.6									
37.7							65.0	89.7	28.8						
38.0	57.0	86.7	17.1	60.1	88.2	26.7	64.7	89.6	28.8						
40.0	54.7	85.4	16.0	57.9	87.0	24.3	62.7	88.6	27.3						
42.0	52.4	83.8	15.0	55.7	85.6	22.1	60.5	87.4	25.8						
44.0	50.0	82.2	14.1	53.4	84.2	20.3	58.3	86.2	24.4						
46.0	47.5	80.4	13.3	51.0	82.6	18.8	56.1	84.9	23.0						
48.0	45.0	78.5	12.5	48.6	80.9	17.5	53.8	83.4	21.7						
50.0	42.3	76.3	11.8	46.1	79.0	16.3	51.6	82.0	20.6						
52.2										55.0	82.1	17.5			
55.0	34.7	69.9	10.2	39.2	73.5	13.6	45.1	77.3	18.0	51.8	80.0	16.2			
60.0	25.4	61.1	9.0	31.0	66.2	11.7	38.3	71.8	16.0	46.2	76.0	14.4			
64.0	15.4	51.0	7.1												
65.0				20.1	55.5	10.0	29.5	63.8	14.2	39.3	70.5	12.8			
66.0				17.1	52.5	9.6									
70.0							18.5	52.9	12.7	31.2	63.3	11.4			
71.0							15.2	49.5	12.2						
75.0										20.3	52.7	10.2			
76.0										17.4	49.7	9.9			
76.3													35.0	60.0	7.5
80.0													29.5	55.0	6.8
85.0													17.8	43.3	5.8

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 65.0 m Plumín															
17.8	78.0	98.5	34.8												
18.0	77.8	98.5	34.8												
20.0	76.0	98.0	34.1												
22.0	74.2	97.4	32.7												
24.0	72.3	96.8	29.9												
26.0	70.5	96.1	27.0												
26.1				73.0	96.8	31.4									
28.0	68.6	95.4	24.9	71.2	96.1	31.1									
30.0	66.7	94.5	22.7	69.4	95.4	30.3									
32.0	64.7	93.6	20.8	67.5	94.6	29.6									
34.0	62.7	92.6	19.3	65.5	93.7	28.3									
36.0	60.7	91.5	18.0	63.6	92.7	27.2									
38.0	58.7	90.3	16.7	61.6	91.7	26.3									
39.0							65.0	92.4	26.8						
40.0	56.6	89.0	15.5	59.5	90.5	24.3	64.0	92.0	26.7						
42.0	54.4	87.6	14.5	57.5	89.3	22.2	62.0	90.9	25.3						
44.0	52.2	86.1	13.6	55.3	87.9	20.2	59.9	89.7	24.0						
46.0	49.9	84.4	12.8	53.2	86.4	18.6	57.8	88.5	22.7						
48.0	47.6	82.7	12.1	50.9	84.9	17.2	55.8	87.2	21.5						
50.0	45.1	80.7	11.3	48.6	83.1	16.1	53.5	85.7	20.3						
54.0										55.0	84.6	16.4			
55.0	38.4	75.0	9.8	42.3	78.1	13.4	47.7	81.5	17.8	54.0	83.9	16.0			
60.0	30.5	67.6	8.6	35.2	71.8	11.3	41.3	76.3	15.7	48.7	80.1	14.1			
65.0	20.0	56.8	7.4	26.5	63.3	9.8	34.9	70.5	14.0	42.4	75.1	12.5			
66.0	17.2	53.7	7.2												
69.0				16.7	52.9	8.5									
70.0							25.4	61.1	12.5	35.3	68.8	11.1			
74.0							16.0	51.1	10.3						
75.0										26.7	60.3	9.9			
78.8													35.0	61.7	6.6
79.0										17.0	50.1	9.1			
80.0													34.0	60.8	6.4
85.0													24.9	51.7	5.5
88.0													17.3	43.7	5.0

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 68.0 m Plumín															
18.4	78.0	101.5	31.5												
20.0	76.6	101.1	31.2												
22.0	74.9	100.6	29.8												
24.0	73.1	100.0	28.4												
26.0	71.4	99.3	26.1												
27.0				73.0	99.6	28.3									
28.0	69.6	98.6	24.4	72.1	99.3	28.3									
30.0	67.7	97.8	22.5	70.3	98.6	27.8									
32.0	65.9	96.9	20.6	68.5	97.8	27.1									
34.0	64.0	96.0	19.0	66.7	97.0	26.5									
36.0	62.1	94.9	17.7	64.8	96.1	25.8									
38.0	60.2	93.8	16.5	62.9	95.1	25.2									
40.0	58.2	92.6	15.4	61.0	94.0	24.8									
40.2							65.0								
42.0	56.2	91.3	14.3	59.1	92.8	22.6	63.4	95.2	24.5						
								94.3	25.0						
44.0	54.2	89.9	13.4	57.1	91.5	20.6	61.5	93.2	23.7						
46.0	52.0	88.3	12.5	55.0	90.2	18.9	59.5	92.1	22.5						
48.0	49.9	86.7	11.9	52.9	88.7	17.4	57.4	90.8	21.3						
50.0	47.6	84.9	11.1	50.8	87.1	16.1	55.5	89.5	20.2						
55.0	41.5	79.7	9.5	45.1	82.5	13.5	50.0	85.5	17.6						
55.7										55.0	87.1	15.5			
60.0	34.6	73.3	8.3	38.7	76.8	11.3	44.2	80.8	15.6	50.9	84.1	13.9			
65.0	26.2	64.6	7.2	31.2	69.6	9.7	38.4	75.6	13.9	45.2	79.5	12.3			
69.0	16.8	54.2	6.4												
70.0				21.6	59.3	8.3	30.9	68.2	12.4	38.8	73.9	11.0			
72.0				16.3	53.3	7.6									
75.0							20.3	56.8	10.9	31.4	66.6	9.8			
77.0							15.6	51.5	9.3						
80.0										21.8	56.4	8.7			
81.2													35.0	63.4	6.0
82.0										16.6	50.5	8.3			
85.0													29.9	58.3	5.3
90.0													19.7	47.3	4.5
91.0													16.9	44.2	4.3

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 71.0 m Plumín															
19.0	78.0	104.4	28.8												
20.0	77.2	104.2	28.8												
22.0	75.5	103.7	27.8												
24.0	73.9	103.1	26.8												
26.0	72.2	102.5	24.9												
27.9				73.0	102.5	26.1									
28.0	70.5	101.8	23.3	72.9	102.5	26.1									
30.0	68.7	101.0	22.0	71.2	101.8	25.9									
32.0	67.0	100.2	20.1	69.5	101.1	25.4									
34.0	65.2	99.3	18.4	67.7	100.2	24.9									
36.0	63.4	98.3	17.1	66.0	99.4	24.3									
38.0	61.6	97.2	16.0	64.2	98.4	23.6									
40.0	59.7	96.1	14.8	62.4	97.4	23.1									
41.5							65.0	97.9	23.5						
42.0	57.8	94.9	13.8	60.5	96.3	22.4	64.6	97.7	23.5						
44.0	55.9	93.5	12.9	58.6	95.1	20.4	62.8	96.6	23.2						
46.0	53.9	92.1	12.0	56.7	93.8	18.7	60.9	95.6	22.1						
48.0	51.9	90.6	11.3	54.8	92.4	17.2	59.0	94.3	21.0						
50.0	49.8	88.9	10.7	52.7	90.9	15.8	57.1	93.0	19.9						
55.0	44.2	84.2	9.1	47.4	86.7	13.3	52.0	89.4	17.4						
57.4										55.0	89.5	14.6			
60.0	38.0	78.4	7.8	41.6	81.5	11.1	46.7	85.0	15.3	52.8	87.9	13.7			
65.0	30.8	71.0	6.8	35.1	75.1	9.4	40.7	79.7	13.6	47.5	83.7	12.1			
70.0	21.5	60.6	5.9	27.2	66.7	8.0	34.8	73.8	12.1	41.8	78.5	10.7			
72.0	16.4	54.6	5.5												
75.0				15.9	53.7	6.7	26.2	64.6	10.8	35.2	72.1	9.5			
80.0							15.3	51.9	8.3	27.3	63.8	8.5			
83.7													35.0	65.2	5.2
85.0										16.2	50.9	7.4	33.9	64.1	5.0
90.0													25.7	55.2	4.2
94.0													16.6	44.6	3.5

## Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 74.0 m Plumín															
19.7	78.0	107.3	27.0												
20.0	77.7	107.3	27.0												
22.0	76.1	106.8	26.5												
24.0	74.5	106.2	25.5												
26.0	72.9	105.6	24.2												
28.0	71.3	105.0	22.7												
28.7				73.0	105.4	24.7									
30.0	69.6	104.2	21.5	72.0	105.0	24.7									
32.0	68.0	103.5	20.0	70.3	104.3	24.4									
34.0	66.3	102.6	18.3	68.7	103.5	23.9									
36.0	64.6	101.7	16.9	67.0	102.7	23.4									
38.0	62.8	100.7	15.6	65.3	101.8	22.8									
40.0	61.1	99.6	14.6	63.6	100.8	22.3									
42.0	59.3	98.4	13.6	61.8	99.7	21.8									
42.8							65.0	100.6	22.3						
44.0	57.5	97.2	12.7	60.0	98.6	20.7	64.0	100.0	22.3						
46.0	55.6	95.8	11.8	58.2	97.4	18.9	62.2	99.0	21.7						
48.0	53.7	94.4	11.1	56.4	96.1	17.4	60.5	97.9	20.6						
50.0	51.7	92.8	10.4	54.5	94.7	16.0	58.6	96.6	19.6						
55.0	46.6	88.4	8.9	49.6	90.7	13.3	53.9	93.2	17.2						
59.1										55.0	92.0	13.7			
60.0	40.9	83.1	7.6	44.2	86.0	11.1	49.3	89.5	15.1	54.6	91.7	13.4			
65.0	34.6	76.6	6.5	38.3	80.2	9.3	44.0	84.7	13.4	49.6	87.7	11.9			
70.0	26.9	68.0	5.7	31.4	72.9	7.9	38.0	78.9	12.0	44.3	83.0	10.5			
75.0	16.1	55.0	4.9	22.8	62.9	6.7	31.1	71.5	10.6	38.4	77.2	9.3			
78.0				15.6	54.1	5.9									
80.0							21.7	60.6	9.2	31.6	69.9	8.2			
82.0							16.9	54.7	8.4						
85.0										23.0	60.1	7.1			
86.2													35.0	66.9	4.5
88.0										15.9	51.4	6.5			
90.0													30.2	61.7	3.9
95.0													21.2	51.1	3.2
97.0													16.2	45.0	2.9

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 77.0 m Plumín															
20.3	78.0	110.3	24.7												
22.0	76.7	109.9	24.5												
24.0	75.2	109.3	23.6												
26.0	73.6	108.8	22.8												
28.0	72.0	108.1	21.6												
29.6				73.0	108.2	22.6									
30.0	70.5	107.4	20.6	72.7	108.1	22.6									
32.0	68.9	106.7	19.8	71.1	107.4	22.4									
34.0	67.3	105.9	18.1	69.5	106.7	22.0									
36.0	65.6	105.0	16.6	67.9	105.9	21.6									
38.0	64.0	104.0	15.3	66.3	105.1	21.0									
40.0	62.3	103.0	14.3	64.7	104.1	20.5									
42.0	60.6	101.9	13.4	63.0	103.1	20.0									
44.0	58.9	100.7	12.4	61.3	102.1	19.7	65.0	103.3	19.7						
46.0	57.1	99.4	11.5	59.6	100.9	18.4	63.4	102.4	20.4						
48.0	55.3	98.1	10.8	57.9	99.7	17.0	61.7	101.3	19.9						
50.0	53.5	96.6	10.1	56.1	98.3	15.7	60.0	100.2	19.2						
55.0	48.7	92.5	8.6	51.4	94.6	13.1	55.6	97.0	16.9						
60.0	43.5	87.6	7.3	46.5	90.2	11.0	50.8	93.1	14.9						
60.8										55.0	94.4	12.8			
65.0	37.7	81.7	6.2	41.1	84.9	9.2	46.3	89.0	13.2	51.5	91.6	11.6			
70.0	31.0	74.3	5.4	35.0	78.4	7.7	40.8	83.7	11.7	46.6	87.2	10.2			
75.0	22.7	64.2	4.6	27.7	70.1	6.6	34.7	77.1	10.4	41.2	81.9	9.1			
78.0	15.7	55.4	4.1												
80.0				18.0	58.0	5.4	26.8	68.0	9.3	35.1	75.5	7.9			
81.0				15.3	54.5	5.2									
85.0							16.5	55.2	7.5	27.9	67.2	6.8			
88.6													35.0	68.6	3.7
90.0										18.2	55.1	5.9	33.9	67.4	3.6
91.0										15.5	51.8	5.7			
95.0													26.4	58.6	2.8
100.0													15.9	45.4	2.2

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 80.0 m Plumín															
20.9	78.0	113.2	22.8												
22.0	77.2	112.9	22.8												
24.0	75.7	112.5	22.0												
26.0	74.2	111.9	21.2												
28.0	72.7	111.3	20.5												
30.0	71.2	110.6	19.6												
30.5				73.0	111.1	20.8									
32.0	69.7	109.9	19.0	71.9	110.6	20.8									
34.0	68.2	109.1	18.0	70.3	109.9	20.4									
36.0	66.6	108.3	16.5	68.8	109.2	20.0									
38.0	65.0	107.4	15.1	67.3	108.3	19.6									
40.0	63.4	106.4	14.0	65.7	107.4	19.1									
42.0	61.8	105.3	13.1	64.1	106.5	18.6									
44.0	60.2	104.2	12.2	62.5	105.5	18.2									
45.3							65.0	106.0	18.7						
46.0	58.5	103.0	11.3	60.9	104.4	17.8	64.5	105.7	18.7						
48.0	56.8	101.7	10.6	59.2	103.2	16.5	62.9	104.7	18.6						
50.0	55.1	100.3	9.8	57.5	101.9	15.4	61.2	103.6	18.2						
55.0	50.5	96.5	8.4	53.1	98.4	12.9	57.1	100.6	16.6						
60.0	45.7	91.9	7.1	48.5	94.3	11.0	52.5	96.9	14.7						
62.6										55.0	96.9	12.1			
65.0	40.4	86.5	6.0	43.5	89.4	9.1	48.3	93.1	13.0	53.2	95.4	11.4			
70.0	34.5	79.9	5.2	38.0	83.5	7.6	43.3	88.2	11.6	48.6	91.3	10.1			
75.0	27.4	71.4	4.4	31.6	76.2	6.5	37.7	82.2	10.3	43.6	86.4	8.9			
80.0	18.0	59.2	3.7	23.8	66.5	5.4	30.8	74.3	9.2	38.1	80.5	7.7			
81.0	15.4	55.8	3.5												
84.0				15.9	56.1	4.1									
85.0							22.8	64.2	7.8	31.7	73.3	6.7			
88.0							16.2	55.6	6.8						
90.0										23.9	63.6	5.7			
91.1										15.2	52.1	5.0	35.0	70.3	3.2
94.0															
95.0													30.5	65.0	2.6
99.0													24.2	57.1	2.1



### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 83.0 m Plumín															
21.5	78.0	116.1	20.9												
22.0	77.7	116.0	20.9												
24.0	76.3	115.6	20.5												
26.0	74.8	115.0	19.9												
28.0	73.4	114.4	19.4												
30.0	71.9	113.8	18.7												
31.4				73.0	114.0	19.2									
32.0	70.5	113.1	18.1	72.5	113.8	19.2									
34.0	69.0	112.3	17.7	71.1	113.1	19.0									
36.0	67.5	111.5	16.3	69.6	112.4	18.7									
38.0	66.0	110.7	14.9	68.1	111.6	18.3									
40.0	64.5	109.7	13.8	66.6	110.7	18.0									
42.0	62.9	108.7	12.8	65.1	109.8	17.5									
44.0	61.4	107.6	12.0	63.6	108.8	17.2									
46.0	59.8	106.5	11.1	62.0	107.8	16.9									
46.6							65.0	108.8	17.3						
48.0	58.2	105.3	10.3	60.4	106.7	16.3	63.9	108.1	17.3						
50.0	56.5	104.0	9.6	58.8	105.5	15.2	62.4	107.0	17.1						
55.0	52.2	100.3	8.1	54.7	102.2	12.7	58.4	104.2	16.2						
60.0	47.7	96.1	6.9	50.3	98.3	10.9	54.2	100.8	14.4						
64.3										55.0	99.3	11.3			
65.0	42.8	91.1	5.8	45.6	93.7	9.0	50.1	97.1	12.8	54.8	99.1	11.2			
70.0	37.4	85.0	4.8	40.6	88.3	7.4	45.4	92.5	11.3	50.4	95.3	9.8			
75.0	31.2	77.6	4.1	34.9	81.7	6.2	40.3	87.0	10.0	45.7	90.7	8.6			
80.0	23.6	67.8	3.4	28.2	73.5	5.2	33.9	79.6	8.9	40.6	85.3	7.4			
84.0	15.1	56.2	2.8												
85.0				19.5	61.9	4.2	27.4	71.4	7.8	35.0	78.8	6.3			
87.0				15.6	56.5	3.4									
90.0							18.3	59.3	6.3	28.3	70.5	5.4			
91.0							15.9	56.0	6.0						
93.5										19.7	59.1	4.5	35.0	72.1	2.5
95.0										17.5	56.1	4.4	33.9	70.7	2.3
96.0															
97.0													31.3	67.5	2.0

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 86.0 m Plumín															
22.2	78.0	119.1	19.4												
24.0	76.7	118.6	19.2												
26.0	75.4	118.1	18.7												
28.0	74.0	117.6	18.3												
30.0	72.6	117.0	17.8												
32.0	71.2	116.3	17.3												
32.2				73.0	116.8	17.9									
34.0	69.8	115.6	16.9	71.8	116.3	17.9									
36.0	68.3	114.8	16.1	70.4	115.6	17.6									
38.0	66.9	113.9	14.8	68.9	114.8	17.2									
40.0	65.4	113.0	13.6	67.5	114.0	17.0									
42.0	64.0	112.1	12.6	66.0	113.1	16.6									
44.0	62.5	111.1	11.7	64.6	112.2	16.3									
46.0	60.9	110.0	11.0	63.1	111.2	16.0									
47.8							65.0	111.5	15.4						
48.0	59.4	108.8	10.2	61.6	110.1	15.8	64.9	111.4	16.1						
50.0	57.8	107.6	9.4	60.0	109.0	15.0	63.4	110.4	16.1						
55.0	53.8	104.1	7.8	56.1	105.8	12.6	59.6	107.7	15.5						
60.0	49.5	100.1	6.6	52.0	102.2	10.7	55.7	104.5	14.0						
65.0	44.9	95.4	5.5	47.6	97.9	9.0	51.4	100.6	12.5						
66.0										55.0	101.8	10.5			
70.0	40.0	89.9	4.6	42.9	92.8	7.4	47.4	96.7	11.1	52.0	99.1	9.6			
75.0	34.4	83.2	3.8	37.7	86.9	6.0	42.6	91.6	9.8	47.7	94.9	8.3			
80.0	27.9	74.8	3.2	31.7	79.5	5.0	37.1	85.1	8.7	42.9	89.8	7.1			
85.0	19.5	63.2	2.5	24.6	70.1	4.1	30.7	77.2	7.5	37.8	83.9	6.1			
87.0	15.7	57.8	2.1												
90.0				15.3	56.9	2.9	23.7	67.8	6.5	31.9	76.6	5.2			
94.0							15.6	56.4	5.3						
95.0										24.7	67.2	4.3			
99.0										17.2	56.5	3.7			

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 89.0 m Plumín															
22.8	78.0	122.0	17.0												
24.0	77.2	121.7	17.0												
26.0	75.9	121.2	16.5												
28.0	74.6	120.7	16.2												
30.0	73.2	120.1	15.8												
32.0	71.8	119.5	15.4												
33.1				73.0	119.7	15.7									
34.0	70.5	118.8	15.0	72.4	119.4	15.7									
36.0	69.1	118.0	14.7	71.1	118.8	15.5									
38.0	67.7	117.2	13.7	69.7	118.0	15.1									
40.0	66.3	116.3	12.6	68.3	117.2	14.8									
42.0	64.9	115.4	11.7	66.9	116.4	14.5									
44.0	63.4	114.4	10.9	65.5	115.5	14.2									
46.0	62.0	113.4	10.2	64.0	114.5	13.9									
48.0	60.5	112.2	9.5	62.6	113.5	13.6									
49.1							65.0	114.2	13.8						
50.0	59.0	111.0	8.8	61.1	112.4	13.4	64.4	113.8	13.8						
55.0	55.1	107.7	7.3	57.3	109.4	11.5	60.7	111.1	13.4						
60.0	51.0	103.9	6.1	53.4	105.8	10.0	56.9	108.0	12.7						
65.0	46.7	99.5	5.1	49.2	101.8	8.6	52.9	104.4	11.8						
67.7										55.0	104.3	9.7			
70.0	42.0	94.3	4.1	44.7	97.0	7.1	48.7	100.3	10.8	53.5	102.9	9.2			
75.0	36.9	88.1	3.3	39.9	91.4	5.7	44.2	95.5	9.6	49.4	98.9	8.0			
80.0	31.1	80.5	2.7	34.5	84.7	4.6	39.3	89.8	8.3	45.0	94.2	6.8			
85.0	24.0	70.7	2.2	28.2	76.4	3.8	34.5	83.7	7.2	40.2	88.7	5.8			
90.0				20.2	65.0	2.9	27.5	74.3	6.2	34.9	82.1	4.8			
93.0				15.0	57.3	2.2									
95.0							19.1	62.4	4.9	28.7	73.9	4.0			
97.0							16.2	58.0	4.1						
100.0										20.9	62.9	3.2			
102.0										16.9	56.9	3.0			

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 92.0 m Plumín															
23.5	78.0	124.9	15.6												
24.0	77.7	124.8	15.6												
26.0	76.4	124.3	15.4												
28.0	75.1	123.8	15.0												
30.0	73.8	123.2	14.7												
32.0	72.5	122.6	14.3												
34.0	71.1	121.9	14.0	73.0	122.6	14.4									
36.0	69.8	121.2	13.7	71.7	121.9	14.4									
38.0	68.5	120.4	13.2	70.4	121.2	14.0									
40.0	67.1	119.6	12.2	69.0	120.5	13.7									
42.0	65.7	118.7	11.3	67.7	119.7	13.4									
44.0	64.4	117.8	10.5	66.3	118.8	13.1									
46.0	63.0	116.7	9.9	64.9	117.9	12.7									
48.0	61.5	115.7	9.3	63.5	116.9	12.4									
50.0	60.1	114.5	8.6	62.1	115.8	12.2									
50.4							65.0	116.9	12.5						
55.0	56.4	111.4	7.1	58.5	112.9	10.9	61.7	114.5	12.2						
60.0	52.5	107.8	5.8	54.8	109.6	9.6	58.1	111.6	11.6						
65.0	48.5	103.6	4.9	50.8	105.7	8.6	54.3	108.2	10.9						
69.4										55.0	106.7	9.0			
70.0	44.1	98.7	3.9	46.6	101.2	7.0	50.4	104.3	10.4	54.9	106.6	8.9			
75.0	39.4	93.0	3.1	42.1	96.0	5.6	46.1	99.7	9.4	51.0	102.8	7.8			
80.0	34.1	86.2	2.5	37.2	89.9	4.5	41.6	94.4	8.1	46.8	98.4	6.6			
85.0				31.6	82.5	3.6	37.2	88.9	7.0	42.4	93.3	5.6			
90.0				24.9	73.0	2.8	31.6	81.5	6.0	37.5	87.2	4.7			
94.0				17.9	62.5	2.2									
95.0							24.0	70.7	5.1	32.0	79.9	3.8			
100.0							15.9	58.4	3.6	25.4	70.6	3.1			
105.0										16.6	57.4	2.4			

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 95.0 m Plumín															
24.1	78.0	127.9	14.3												
26.0	76.8	127.4	14.2												
28.0	75.6	126.9	13.8												
30.0	74.3	126.4	13.5												
32.0	73.0	125.8	13.2												
34.0	71.8	125.1	12.9												
34.9				73.0	125.4	13.1									
36.0	70.5	124.4	12.6	72.3	125.1	13.1									
38.0	69.2	123.7	12.3	71.0	124.4	12.9									
40.0	67.9	122.9	11.6	69.7	123.7	12.6									
42.0	66.6	122.0	10.8	68.4	122.9	12.3									
44.0	65.2	121.1	10.0	67.1	122.1	12.1									
46.0	63.9	120.1	9.4	65.8	121.2	11.8									
48.0	62.5	119.1	8.8	64.4	120.2	11.5									
50.0	61.1	118.0	8.3	63.1	119.2	11.3									
51.6							65.0	119.6	11.4						
55.0	57.6	115.0	6.8	59.6	116.4	10.4	62.7	117.9	11.3						
60.0	53.9	111.5	5.5	56.0	113.2	9.1	59.2	115.1	10.8						
65.0	50.1	107.5	4.5	52.3	109.6	8.1	55.6	111.9	10.3						
70.0	46.0	103.0	3.6	48.3	105.3	6.9	51.9	108.1	9.8						
71.2										55.0	109.2	8.2			
75.0	41.6	97.7	2.8	44.1	100.5	5.5	47.9	103.9	9.1	52.4	106.6	7.4			
80.0	36.7	91.4	2.1	39.5	94.8	4.3	43.6	98.9	7.8	48.5	102.5	6.3			
85.0				34.4	88.0	3.3	39.0	93.1	6.7	44.3	97.7	5.3			
90.0				28.6	79.7	2.5	34.5	87.1	5.8	39.8	92.1	4.3			
93.0				24.5	73.6	2.1									
95.0							28.6	78.8	4.8	34.8	85.4	3.5			
100.0							20.4	66.3	3.8	29.0	77.3	2.8			
103.0							15.6	58.8	2.9						
105.0										21.9	66.6	2.1			

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 98.0 m Plumín															
24.7	78.0	130.8	13.1												
26.0	77.2	130.5	13.1												
28.0	76.0	130.0	12.8												
30.0	74.8	129.5	12.5												
32.0	73.6	128.9	12.3												
34.0	72.3	128.3	11.9												
35.8				73.0	128.3	12.0									
36.0	71.1	127.6	11.7	72.9	128.2	12.0									
38.0	69.9	126.9	11.4	71.6	127.6	11.9									
40.0	68.6	126.1	11.1	70.4	126.9	11.7									
42.0	67.3	125.3	10.3	69.1	126.1	11.4									
44.0	66.0	124.4	9.6	67.9	125.3	11.2									
46.0	64.7	123.5	9.0	66.6	124.5	11.0									
48.0	63.4	122.5	8.4	65.3	123.6	10.7									
50.0	62.1	121.4	8.0	64.0	122.6	10.5									
52.9							65.0	122.3	10.4						
55.0	58.7	118.5	6.6	60.7	119.9	10.0	63.6	121.3	10.4						
60.0	55.2	115.2	5.3	57.2	116.9	8.8	60.3	118.6	10.0						
65.0	51.5	111.4	4.2	53.6	113.3	7.8	56.8	115.5	9.7						
70.0	47.7	107.1	3.4	49.9	109.3	6.9	53.2	111.9	9.3						
72.9										55.0	111.6	7.6			
75.0	43.5	102.1	2.6	45.9	104.7	5.5	49.5	107.9	8.8	53.8	110.4	7.2			
80.0				41.6	99.4	4.2	45.4	103.2	7.6	50.1	106.5	6.0			
85.0				37.0	93.2	3.1	41.6	98.4	6.5	46.1	101.9	5.0			
90.0				31.7	85.8	2.3	37.0	92.2	5.5	41.9	96.7	4.1			
95.0							31.7	84.8	4.6	37.3	90.6	3.3			
100.0							25.6	75.6	3.8	32.1	83.2	2.5			
103.0										28.6	78.0	2.1			
105.0							17.5	62.7	2.6						
106.0							15.4	59.2	2.4						

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 101.0 m Plumín															
25.3	78.0	133.7	12.1												
26.0	77.6	133.6	12.1												
28.0	76.4	133.1	11.9												
30.0	75.3	132.6	11.6												
32.0	74.1	132.0	11.4												
34.0	72.9	131.4	11.1												
36.0	71.7	130.8	10.8												
36.7				73.0	131.2	11.0									
38.0	70.5	130.1	10.6	72.2	130.7	11.0									
40.0	69.3	129.3	10.4	71.0	130.1	10.9									
42.0	68.0	128.5	9.9	69.8	129.3	10.6									
44.0	66.8	127.7	9.2	68.6	128.6	10.4									
46.0	65.6	126.8	8.6	67.3	127.7	10.2									
48.0	64.3	125.8	8.0	66.1	126.9	9.9									
50.0	63.0	124.8	7.6	64.8	125.9	9.7									
54.2							65.0	125.1	9.5						
55.0	59.8	122.0	6.3	61.6	123.4	9.3	64.5	124.7	9.5						
60.0	56.4	118.9	5.0	58.3	120.4	8.3	61.3	122.1	9.3						
65.0	52.9	115.3	3.9	54.9	117.1	7.4	57.9	119.1	8.9						
70.0	49.2	111.2	3.1	51.3	113.2	6.6	54.5	115.7	8.6						
74.6										55.0	114.1	6.8			
75.0	45.3	106.5	2.3	47.5	108.9	5.3	50.9	111.8	8.3	55.0	114.1	6.8			
80.0				43.5	103.9	4.1	47.1	107.4	7.3	51.5	110.3	5.7			
85.0				39.2	98.1	2.9	43.1	102.3	6.2	47.7	106.0	4.7			
90.0							39.2	97.1	5.2	43.8	101.1	3.8			
95.0							34.4	90.4	4.3	39.5	95.4	2.9			
100.0							29.0	82.2	3.5	34.7	88.7	2.2			
101.0										33.7	87.2	2.1			
105.0							21.4	70.1	2.7						
107.0							19.1	66.2	2.2						

## Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 104.0 m Plumín															
26.0	78.0	136.7	11.3												
28.0	76.8	136.2	11.2												
30.0	75.7	135.7	10.9												
32.0	74.6	135.2	10.7												
34.0	73.4	134.6	10.5												
36.0	72.2	133.9	10.2												
37.5				73.0	134.1	10.2									
38.0	71.1	133.3	9.9	72.7	133.9	10.2									
40.0	69.9	132.5	9.7	71.6	133.2	10.2									
42.0	68.7	131.8	9.5	70.4	132.5	10.0									
44.0	67.5	130.9	8.8	69.2	131.8	9.7									
46.0	66.3	130.1	8.2	68.0	131.0	9.5									
48.0	65.1	129.2	7.7	66.8	130.1	9.3									
50.0	63.9	128.2	7.2	65.6	129.2	9.1									
55.0	60.7	125.5	6.2	62.5	126.8	8.7									
55.4							65.0	127.8	8.8						
60.0	57.5	122.5	4.8	59.3	123.9	8.0	62.2	125.5	8.7						
65.0	54.1	119.0	3.7	56.1	120.7	7.0	59.0	122.6	8.3						
70.0	50.6	115.1	2.9	52.6	117.1	6.3	55.7	119.4	8.0						
75.0	46.9	110.7	2.1	49.0	112.9	5.3	52.3	115.7	7.7						
76.3										55.0	116.5	6.2			
80.0				45.3	108.2	4.0	48.6	111.5	7.1	52.8	114.2	5.5			
85.0				41.2	102.8	2.9	44.8	106.7	6.0	49.2	110.1	4.5			
89.0				37.7	97.9	2.1									
90.0							41.2	101.8	5.0	45.5	105.4	3.6			
95.0							36.8	95.6	4.1	41.4	100.1	2.7			
100.0							31.8	88.2	3.3	37.0	93.9	2.0			
105.0							26.1	79.0	2.6						
108.0							22.0	72.2	2.1						



### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 107.0 m Plumín															
26.6	78.0	139.6	10.1												
28.0	77.2	139.3	10.1												
30.0	76.1	138.8	9.9												
32.0	75.0	138.3	9.6												
34.0	73.9	137.7	9.4												
36.0	72.8	137.1	9.2												
38.0	71.6	136.4	8.9												
38.4				73.0	136.9	9.1									
40.0	70.5	135.7	8.7	72.1	136.4	9.1									
42.0	69.3	135.0	8.6	71.0	135.7	8.9									
44.0	68.2	134.2	8.1	69.8	135.0	8.7									
46.0	67.0	133.3	7.6	68.7	134.2	8.5									
48.0	65.8	132.5	7.1	67.5	133.4	8.3									
50.0	64.7	131.5	6.7	66.3	132.5	8.1									
55.0	61.6	128.9	5.8	63.4	130.1	7.7									
56.7							65.0	130.5	7.7						
60.0	58.5	126.0	4.5	60.3	127.4	7.2	63.0	128.9	7.6						
65.0	55.3	122.7	3.4	57.1	124.3	6.4	60.0	126.1	7.3						
70.0	51.9	119.0	2.5	53.9	120.8	5.8	56.8	123.0	7.0						
75.0				50.4	116.9	5.2	53.5	119.4	6.7						
78.0										55.0	119.0	5.5			
80.0				46.8	112.4	3.9	50.1	115.4	6.5	54.0	117.9	5.2			
85.0				43.0	107.3	2.8	46.4	110.9	5.7	50.6	114.0	4.1			
88.0				41.0	104.6	2.1									
90.0							43.0	106.3	4.7	47.0	109.6	3.2			
95.0							38.9	100.5	3.8	43.2	104.6	2.4			
97.0										41.6	102.3	2.1			
100.0							34.4	93.7	3.0						
105.0							29.2	85.5	2.3						
107.0							26.9	81.7	2.0						

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 110.0 m Plumín															
27.2	78.0	142.5	9.2												
28.0	77.6	142.4	9.2												
30.0	76.5	141.9	9.0												
32.0	75.4	141.4	8.7												
34.0	74.3	140.8	8.5												
36.0	73.2	140.2	8.3												
38.0	72.1	139.6	8.1												
39.3				73.0	139.8	8.2									
40.0	71.0	138.9	7.9	72.6	139.6	8.2									
42.0	69.9	138.2	7.7	71.5	138.9	8.1									
44.0	68.8	137.4	7.5	70.4	138.2	7.9									
46.0	67.7	136.6	7.0	69.3	137.4	7.7									
48.0	66.5	135.7	6.6	68.2	136.7	7.5									
50.0	65.4	134.8	6.2	67.0	135.8	7.3									
55.0	62.5	132.4	5.3	64.1	133.5	6.9									
58.0							65.0	133.2	6.8						
60.0	59.5	129.5	4.3	61.2	130.9	6.6	63.8	132.2	6.8						
65.0	56.4	126.4	3.2	58.1	127.9	5.9	60.9	129.6	6.5						
70.0	53.2	122.8	2.3	55.0	124.6	5.4	57.8	126.6	6.2						
71.0	52.5	122.0	2.1												
75.0				51.7	120.8	4.9	54.7	123.2	5.9						
79.8										55.0	121.5	4.9			
80.0				48.3	116.5	3.9	51.4	119.3	5.7	54.8	121.3	4.8			
85.0				45.1	112.2	2.7	47.9	115.0	5.3	51.9	117.9	3.9			
88.0				42.8	109.1	2.1									
90.0							44.3	110.2	4.4	48.5	113.7	3.0			
95.0							40.8	105.2	3.6	44.9	108.9	2.2			
96.0										44.1	107.9	2.0			
100.0							36.6	98.9	2.8						
105.0							31.9	91.5	2.1						

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 113.0 m Plumín															
27.8	78.0	145.5	8.5												
28.0	77.9	145.4	8.5												
30.0	76.9	145.0	8.4												
32.0	75.8	144.5	8.2												
34.0	74.8	143.9	8.0												
36.0	73.7	143.4	7.8												
38.0	72.6	142.7	7.6												
40.0	71.6	142.1	7.4												
40.2				73.0	142.7	7.6									
42.0	70.5	141.4	7.2	72.0	142.1	7.6									
44.0	69.4	140.6	7.1	70.9	141.4	7.4									
46.0	68.3	139.9	6.7	69.9	140.7	7.2									
48.0	67.2	139.0	6.3	68.8	139.9	7.0									
50.0	66.1	138.1	5.9	67.7	139.1	6.9									
55.0	63.3	135.7	5.0	64.9	136.8	6.5									
59.2							65.0	135.9	6.3						
60.0	60.4	133.0	4.2	62.0	134.3	6.2	64.6	135.6	6.3						
65.0	57.4	129.9	3.1	59.1	131.4	5.6	61.7	133.0	6.1						
70.0	54.3	126.5	2.2	56.1	128.2	5.1	58.8	130.1	5.8						
75.0				52.9	124.6	4.6	55.7	126.8	5.5						
80.0				49.7	120.5	3.9	52.6	123.2	5.2						
81.5										55.0	123.9	4.2			
85.0				46.6	116.4	2.7	49.3	119.1	4.9	53.1	121.7	3.6			
88.0				44.0	112.9	2.1									
90.0							45.8	114.4	3.3	49.8	117.6	2.7			
94.0							42.9	110.3	2.2	47.1	114.1	2.0			

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 20.0 m Plumín															
8.4	78.0	54.5	82.3												
9.0	76.3	54.4	81.3												
10.0	73.3	54.1	78.0												
11.0	70.3	53.7	74.6												
12.0	67.2	53.3	70.6												
13.0	64.0	52.8	66.8	73.0	53.7	75.7									
14.0	60.7	52.2	63.7	69.8	53.3	73.3									
16.0	53.8	50.9	56.6	63.5	52.4	65.4									
18.0	46.1	49.1	50.9	56.8	51.2	58.0									
19.9							65.0	51.7	30.1						
20.0	37.2	46.7	45.9	49.4	49.6	52.5	65.0	51.7	62.8						
22.0	25.7	43.2	39.1	41.2	47.5	47.3	58.3	50.5	57.4						
23.0	17.3	40.5	35.1												
24.0				31.0	44.6	42.5	51.2	49.0	52.0						
26.0				15.5	39.6	36.3	43.2	47.0	48.2						
28.0							33.6	44.4	44.9						
28.1										55.0	47.7	30.1			
30.0							20.1	40.1	40.4	48.5	46.3	41.0			
32.0										40.0	44.1	37.9			
34.0										29.6	41.1	35.2			
36.0										16.5	36.8	15.1			
41.9													35.0	35.9	24.3
42.0													34.6	35.8	24.2
44.0													21.4	31.7	22.8
45.0													17.8	30.5	15.1

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 23.0 m Plumín															
9.1	78.0	57.4	74.6												
10.0	75.6	57.2	72.7												
11.0	73.0	56.9	69.6												
12.0	70.3	56.5	66.4												
13.0	67.6	56.1	63.0												
13.8				73.0	56.6	67.4									
14.0	64.9	55.7	59.6	72.6	56.5	67.4									
16.0	59.2	54.5	54.2	67.2	55.7	61.9									
18.0	53.1	53.1	49.1	61.6	54.7	55.9									
20.0	46.4	51.3	44.4	55.7	53.4	50.4									
21.2							65.0	54.4	30.1						
22.0	38.8	49.1	39.8	49.3	51.8	46.4	62.9	54.0	55.1						
24.0	29.7	46.0	35.4	42.1	49.8	42.7	57.1	52.8	50.6						
26.0	16.0	40.9	30.3	33.8	47.1	39.3	50.8	51.2	47.1						
28.0				22.8	43.1	34.2	43.9	49.3	43.9						
29.0				17.6	41.2	15.1									
29.9										55.0	50.2	30.1			
30.0							35.8	46.8	41.3	55.0	50.2	40.8			
32.0							25.7	43.2	37.2	48.5	48.5	37.7			
33.0							18.7	40.6	35.0						
34.0										41.2	46.4	35.1			
36.0										32.6	43.6	32.7			
38.0										21.0	39.4	30.6			
39.0										15.2	37.2	15.1			
44.4													35.0	37.6	22.4
46.0													26.6	34.7	21.4
48.0													16.5	30.9	15.1

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 26.0 m Plumín															
9.7	78.0	60.4	68.2												
10.0	77.3	60.3	68.2												
11.0	75.0	60.0	65.7												
12.0	72.7	59.7	62.6												
13.0	70.4	59.4	59.4												
14.0	68.0	59.0	56.5												
14.7				73.0	59.5	60.5									
16.0	63.1	58.0	51.4	70.0	59.0	57.8									
18.0	58.0	56.8	46.9	65.2	58.1	52.6									
20.0	52.5	55.4	43.2	60.1	57.0	48.5									
22.0	46.6	53.6	39.0	54.8	55.7	44.5									
22.5							65.0	57.1	50.8						
24.0	40.0	51.4	34.7	49.2	54.1	41.6	61.3	56.3	48.7						
26.0	32.3	48.5	31.4	42.9	52.1	38.8	56.1	55.0	45.7						
28.0	22.3	44.4	28.3	35.8	49.5	36.5	50.5	53.5	43.2						
29.0	17.7	42.5	15.1												
30.0				27.0	46.1	32.2	44.4	51.6	40.4						
31.6										55.0	52.6	30.1			
32.0				16.4	41.6	15.1	37.5	49.1	38.0	54.2	52.4	37.7			
34.0							29.2	46.0	34.6	48.4	50.8	35.0			
36.0							17.5	41.0	30.6	42.1	48.7	32.7			
38.0										34.8	46.1	30.7			
40.0										24.2	41.8	28.8			
41.0										17.5	39.0	27.9			
46.8													35.0	39.4	20.9
48.0													30.0	37.4	20.3
50.0													18.5	32.6	19.3
51.0													15.4	31.3	15.1

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 29.0 m Plumín															
10.3	78.0	63.3	60.7												
11.0	76.6	63.1	60.0												
12.0	74.5	62.9	57.3												
13.0	72.5	62.5	54.4												
14.0	70.4	62.2	51.9												
15.6				73.0	62.3	52.9									
16.0	66.1	61.3	47.2	72.1	62.2	52.9									
18.0	61.6	60.3	43.6	67.9	61.4	48.6									
20.0	57.0	59.1	40.0	63.5	60.5	44.4									
22.0	52.1	57.6	37.2	59.0	59.3	41.2									
23.7							65.0	59.8	30.1						
24.0	46.8	55.8	34.1	54.2	57.9	38.4	64.5	59.7	44.3						
26.0	41.0	53.7	31.1	49.1	56.3	36.1	60.0	58.6	42.0						
28.0	34.3	51.0	28.7	43.5	54.3	33.8	55.3	57.3	39.6						
30.0	26.2	47.4	26.1	37.2	51.9	32.0	50.2	55.7	37.7						
32.0	16.7	42.9	15.1	29.9	48.7	29.2	44.8	53.8	35.4						
33.3										55.0	55.1	30.1			
34.0				20.1	44.2	26.0	38.7	51.5	33.4	53.6	54.7	34.8			
35.0				15.5	42.0	15.1									
36.0							31.7	48.5	31.1	48.4	53.0	32.5			
38.0							22.7	44.4	28.3	42.8	51.0	30.5			
39.0							16.5	41.5	26.8						
40.0										35.6	48.1	28.6			
42.0										28.9	45.2	27.0			
44.0										18.6	40.4	25.5			
49.3													35.0	41.1	19.4
50.0													32.4	40.0	19.1
53.0													17.4	33.0	17.7

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 32.0 m Plumín															
10.9	78.0	66.2	54.9												
11.0	77.9	66.2	54.9												
12.0	76.0	66.0	53.2												
13.0	74.2	65.7	50.8												
14.0	72.3	65.4	48.2												
16.0	68.5	64.6	44.4												
16.5				73.0	65.2	47.1									
18.0	64.5	63.7	40.7	70.1	64.7	44.9									
20.0	60.5	62.6	37.8	66.2	63.8	41.5									
22.0	56.2	61.3	35.0	62.2	62.8	38.7									
24.0	51.7	59.8	32.7	58.0	61.6	36.1									
25.0							65.0	62.5	30.1						
26.0	46.9	58.1	30.4	53.6	60.2	34.0	63.1	62.1	39.1						
28.0	41.7	55.9	28.3	49.0	58.5	32.1	59.0	60.9	37.2						
30.0	35.9	53.4	26.4	43.9	56.6	30.2	54.6	59.5	35.2						
32.0	29.0	50.1	24.4	38.4	54.2	28.6	50.1	57.9	33.7						
34.0	20.0	45.5	22.2	32.0	51.3	26.6	45.1	56.1	31.6						
35.0	15.9	43.3	15.1							55.0	57.6	30.1			
36.0				24.2	47.4	24.3	39.7	53.8	29.8	53.1	56.9	32.4			
37.0				19.1	44.7	23.1									
38.0							33.6	51.0	28.2	48.4	55.2	30.4			
40.0							26.1	47.4	26.1	42.8	53.0	28.5			
42.0							15.6	41.8	23.9	37.0	50.5	26.9			
44.0										30.3	47.3	25.4			
46.0										21.6	43.0	24.0			
47.0										15.6	39.8	23.4			
51.8													35.0	42.8	18.2
55.0													22.3	36.5	16.8
56.0													16.5	33.5	16.4



### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 35.0 m Plumín															
11.6	78.0	69.2	48.5												
12.0	77.3	69.1	48.5												
13.0	75.6	68.8	46.3												
14.0	73.9	68.5	44.5												
16.0	70.4	67.8	40.8												
17.3				73.0	68.1	41.6									
18.0	66.9	67.0	37.6	71.9	67.8	41.4									
20.0	63.2	66.1	34.9	68.4	67.1	38.3									
22.0	59.5	64.9	32.6	64.8	66.2	35.5									
24.0	55.5	63.6	30.4	61.1	65.1	33.4									
26.0	51.4	62.1	28.8	57.2	63.9	31.4									
26.3							65.0	65.3	35.1						
28.0	47.0	60.3	27.0	53.2	62.4	29.8	61.9	64.4	34.1						
30.0	42.3	58.2	25.3	48.9	60.8	28.3	58.1	63.2	32.6						
32.0	37.1	55.7	23.8	44.3	58.8	26.6	54.1	61.8	30.9						
34.0	31.1	52.7	22.3	39.3	56.5	25.2	49.9	60.2	29.6						
36.0	23.7	48.6	20.6	33.7	53.7	23.8	45.4	58.3	27.8						
36.7										55.0	60.0	28.9			
38.0	15.1	43.7	15.1	27.0	50.2	22.2	40.5	56.1	26.3	52.7	59.2	30.1			
40.0				18.2	45.2	20.5	35.1	53.4	25.0	48.4	57.5	28.3			
42.0							28.7	50.1	23.5	43.7	55.5	26.7			
44.0							20.5	45.5	22.0	38.7	53.1	25.2			
45.0							17.0	43.4	15.1						
46.0										33.0	50.2	23.9			
48.0										26.1	46.6	22.6			
50.0										16.8	41.3	21.5			
54.2													35.0	44.5	16.9
55.0													32.6	43.3	16.6
59.0													17.5	34.9	15.2

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 38.0 m Plumín															
12.2	78.0	72.1	43.4												
13.0	76.7	71.9	42.8												
14.0	75.2	71.7	40.9												
16.0	72.0	71.0	37.7												
18.0	68.8	70.3	35.1												
18.2				73.0	70.9	37.1									
20.0	65.5	69.4	32.3	70.1	70.3	35.3									
22.0	62.1	68.4	30.3	66.9	69.5	33.0									
24.0	58.6	67.2	28.4	63.5	68.5	30.8									
26.0	55.0	65.9	26.8	60.1	67.4	29.2									
27.5							65.0	68.0	29.3						
28.0	51.2	64.3	25.5	56.5	66.1	27.7	64.3	67.8	31.4						
30.0	47.1	62.5	24.1	52.8	64.7	26.5	60.9	66.7	30.1						
32.0	42.8	60.5	22.7	48.8	63.0	25.1	57.3	65.5	28.8						
34.0	38.1	58.1	21.6	44.6	61.1	23.7	53.6	64.0	27.4						
36.0	32.7	55.1	20.5	40.1	58.8	22.5	49.8	62.4	26.3						
38.0	26.5	51.5	19.2	35.1	56.1	21.4	45.6	60.5	24.8						
38.5										55.0	62.5	25.7			
40.0	18.3	46.4	17.9	29.3	52.8	20.2	41.2	58.4	23.4	52.3	61.4	27.3			
42.0				22.1	48.5	19.1	36.3	55.8	22.3	48.4	59.7	26.0			
43.0				17.4	45.6	18.4									
44.0							30.7	52.7	21.2	44.1	57.7	24.7			
46.0							23.9	48.6	20.1	39.5	55.4	23.5			
48.0							16.2	43.9	15.1	34.4	52.7	22.5			
50.0										28.5	49.3	21.4			
53.0										16.1	41.7	19.8			
56.7													35.0	46.2	15.9
60.0													26.6	41.4	14.8
62.0													18.5	36.4	14.2

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 41.0 m Plumín															
12.8	78.0	75.0	38.3												
13.0	77.7	75.0	38.3												
14.0	76.3	74.8	37.3												
16.0	73.4	74.2	34.5												
18.0	70.4	73.5	31.9												
19.1				73.0	73.8	32.7									
20.0	67.4	72.7	29.6	71.7	73.5	32.3									
22.0	64.3	71.8	27.5	68.7	72.7	30.0									
24.0	61.2	70.7	25.9	65.6	71.9	28.1									
26.0	57.9	69.5	24.4	62.5	70.9	26.6									
28.0	54.5	68.1	23.0	59.3	69.7	25.2									
28.8							65.0	70.7	26.1						
30.0	50.9	66.6	22.0	55.9	68.4	23.9	63.2	70.1	27.3						
32.0	47.2	64.8	20.8	52.5	66.9	22.9	60.0	69.0	26.0						
34.0	43.2	62.7	19.7	48.8	65.2	21.7	56.7	67.7	24.8						
36.0	38.9	60.4	18.7	44.9	63.3	20.5	53.3	66.3	23.6						
38.0	34.1	57.6	17.8	40.7	61.1	19.4	49.6	64.7	22.7						
40.0	28.6	54.2	16.8	36.2	58.5	18.6	45.8	62.8	21.4						
40.2										55.0	64.9	22.5			
42.0	21.8	49.8	15.9	31.0	55.4	17.6	41.7	60.6	20.3	52.0	63.6	23.5			
43.0	17.5	46.9	15.4												
44.0				24.9	51.5	16.7	37.3	58.1	19.3	48.3	61.9	22.4			
46.0				16.7	46.0	15.7	32.3	55.2	18.4	44.4	60.0	21.4			
48.0							26.4	51.5	17.5	40.2	57.7	20.3			
50.0							18.9	46.5	16.6	35.6	55.1	19.4			
51.0							15.6	44.3	14.0						
55.0										20.2	45.3	17.2			
56.0										15.5	42.1	16.7			
59.1													35.0	48.0	14.9
60.0													34.2	47.5	14.6
65.0													17.8	36.9	13.1

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 44.0 m Plumín															
13.4	78.0	78.0	34.7												
14.0	77.2	77.8	34.7												
16.0	74.5	77.3	32.2												
18.0	71.8	76.7	29.7												
20.0	69.0	75.9	27.8	73.0	76.7	29.6									
22.0	66.2	75.1	25.7	70.2	76.0	28.0									
24.0	63.3	74.1	24.1	67.4	75.2	26.3									
26.0	60.3	73.0	22.7	64.5	74.2	24.7									
28.0	57.3	71.8	21.4	61.6	73.2	23.6									
30.0	54.1	70.4	20.4	58.6	72.0	22.3									
30.1							65.0	73.4	24.9						
32.0	50.8	68.8	19.5	55.4	70.7	21.2	62.3	72.4	24.2						
34.0	47.3	67.0	18.5	52.2	69.2	20.3	59.3	71.3	23.1						
36.0	43.6	65.0	17.5	48.8	67.5	19.2	56.1	70.0	22.0						
38.0	39.6	62.7	16.6	45.1	65.6	18.2	52.9	68.5	20.9						
40.0	35.2	60.0	15.9	41.3	63.4	17.3	49.5	66.9	20.1						
41.9										55.0	67.4	19.8			
42.0	30.3	56.8	15.1	37.1	60.9	16.5	46.0	65.0	19.0	55.0	67.4	21.4			
44.0	24.5	52.8	14.3	32.5	57.9	15.7	42.2	62.9	18.0	51.8	65.9	20.8			
46.0	16.9	47.3	13.5	27.1	54.3	14.9	38.1	60.5	17.2	48.3	64.2	19.9			
48.0				20.4	49.6	14.1	33.6	57.6	16.4	44.7	62.2	19.0			
49.0				16.1	46.4	13.6									
50.0							28.4	54.2	15.6	40.8	60.0	18.0			
54.0							15.0	44.6	12.5						
55.0										29.2	52.7	16.1			
59.0										16.5	43.7	12.3			
61.6													35.0	49.7	14.0
65.0													27.7	44.9	13.0
68.0													17.1	37.3	12.2

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 47.0 m Plumín															
14.1	78.0	80.9	30.8												
16.0	75.6	80.4	29.4												
18.0	73.0	79.8	27.6												
20.0	70.4	79.2	25.9												
20.8				73.0	79.5	26.4									
22.0	67.8	78.4	24.5	71.5	79.2	26.0									
24.0	65.1	77.5	23.2	68.9	78.4	24.6									
26.0	62.4	76.5	22.3	66.3	77.6	23.6									
28.0	59.6	75.3	21.4	63.6	76.6	22.7									
30.0	56.7	74.0	20.5	60.8	75.5	21.9									
31.3							65.0	76.1	22.3						
32.0	53.7	72.6	19.8	57.9	74.3	21.1	64.2	75.8	23.0						
34.0	50.6	71.0	19.3	55.0	72.9	20.4	61.4	74.8	22.3						
36.0	47.3	69.2	18.2	51.9	71.4	19.9	58.6	73.6	21.7						
38.0	43.9	67.2	17.3	48.7	69.7	19.0	55.7	72.3	20.9						
40.0	40.2	65.0	16.4	45.4	67.8	18.2	52.6	70.8	20.2						
42.0	36.2	62.4	15.6	41.8	65.7	17.4	49.5	69.1	19.7						
43.6										55.0	69.9	19.5			
44.0	31.7	59.3	14.8	37.9	63.2	16.7	46.1	67.3	18.7	54.6	69.7	20.4			
46.0	26.6	55.6	13.9	33.7	60.4	15.9	42.6	65.2	17.9	51.5	68.1	20.0			
48.0	20.3	50.9	13.0	28.9	57.0	15.0	38.8	62.8	17.1	48.3	66.4	19.4			
49.0	16.3	47.7	12.6												
50.0				23.2	52.8	14.0	34.7	60.0	16.4	44.9	64.5	18.8			
52.0				15.6	46.8	12.9									
55.0							21.4	50.4	14.3	35.3	58.4	16.7			
56.0							17.6	47.4	13.8						
60.0										22.4	49.1	14.8			
62.0										16.0	44.1	13.1			
64.0													35.0	51.4	13.0
65.0													34.1	50.8	12.8
70.0													20.5	40.9	11.5
71.0													16.5	37.7	11.3

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 50.0 m Plumín															
14.7	78.0	83.9	28.1												
16.0	76.4	83.5	27.6												
18.0	74.1	83.0	26.2												
20.0	71.7	82.3	24.8												
21.7				73.0	82.4	24.5									
22.0	69.2	81.6	23.8	72.7	82.3	24.5									
24.0	66.7	80.8	22.8	70.2	81.6	23.6									
26.0	64.2	79.8	22.0	67.8	80.8	22.9									
28.0	61.6	78.8	21.4	65.3	79.9	22.2									
30.0	59.0	77.6	20.8	62.7	78.9	21.7									
32.0	56.2	76.3	20.3	60.1	77.8	21.2									
32.6							65.0	78.8	21.4						
34.0	53.4	74.9	19.8	57.4	76.6	20.7	63.3	78.2	21.9						
36.0	50.5	73.3	19.5	54.6	75.2	20.3	60.7	77.1	21.4						
38.0	47.4	71.5	18.4	51.7	73.7	20.0	58.0	75.9	21.0						
40.0	44.1	69.5	17.5	48.7	71.9	19.3	55.2	74.5	20.5						
42.0	40.7	67.3	16.6	45.5	70.0	18.5	52.4	73.0	20.2						
44.0	37.0	64.7	15.8	42.2	67.9	17.9	49.4	71.4	19.8						
45.3										55.0	72.3	19.3			
46.0	32.9	61.8	15.0	38.6	65.5	17.2	46.3	69.5	19.0	54.2	71.9	20.0			
48.0	28.4	58.3	14.1	34.7	62.8	16.6	43.0	67.4	18.2	51.3	70.4	19.7			
50.0	22.9	54.0	13.1	30.4	59.6	15.5	39.4	65.1	17.5	48.3	68.6	19.5			
52.0	15.8	48.1	12.1												
55.0				15.1	47.2	12.6	29.1	57.6	15.6	40.0	63.4	17.6			
59.0							17.0	47.9	13.7						
60.0										29.8	56.0	15.9			
65.0										15.5	44.5	13.8			
66.5													35.0	53.1	12.3
70.0													28.5	48.3	11.5
74.0													16.0	38.2	10.6

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 53.0 m Plumín															
15.3	78.0	86.8	25.4												
16.0	77.2	86.6	25.4												
18.0	75.0	86.1	24.0												
20.0	72.7	85.5	22.8												
22.0	70.4	84.8	21.8												
22.6				73.0	85.3	22.0									
24.0	68.1	84.0	21.0	71.4	84.8	21.8									
26.0	65.8	83.2	20.3	69.1	84.1	21.0									
28.0	63.4	82.2	19.8	66.8	83.2	20.5									
30.0	60.9	81.1	19.3	64.4	82.3	20.0									
32.0	58.4	79.9	18.9	61.9	81.3	19.6									
33.9							65.0	81.6	20.0						
34.0	55.8	78.6	18.5	59.4	80.1	19.2	64.9	81.5	20.0						
36.0	53.1	77.1	18.1	56.9	78.8	18.8	62.5	80.5	19.8						
38.0	50.3	75.5	17.8	54.2	77.4	18.5	60.0	79.4	19.3						
40.0	47.4	73.7	16.9	51.5	75.9	18.2	57.5	78.1	19.0						
42.0	44.4	71.7	16.1	48.7	74.2	17.6	54.8	76.8	18.6						
44.0	41.2	69.5	15.3	45.7	72.3	17.0	52.1	75.3	18.3						
46.0	37.7	67.1	14.7	42.5	70.2	16.4	49.3	73.6	18.0						
47.1										55.0	74.8	17.4			
48.0	34.0	64.2	14.0	39.2	67.8	15.9	46.4	71.7	17.3	53.9	74.2	18.1			
50.0	29.8	60.9	13.2	35.6	65.2	15.5	43.3	69.7	16.7	51.2	72.6	17.9			
55.0	15.3	48.5	11.1	24.6	56.3	13.0	34.5	63.4	15.4	43.8	67.9	16.9			
58.0				16.0	48.9	11.0									
60.0							23.1	54.0	13.4	35.1	61.7	15.4			
62.0							16.5	48.3	12.5						
65.0										23.9	52.7	13.8			
68.0										15.0	44.9	12.6			
69.0													35.0	54.8	11.5
70.0													34.1	54.1	11.3
75.0													22.4	44.6	10.2
77.0													15.5	38.6	9.8

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 56.0 m Plumín															
15.9	78.0	89.7	23.1												
16.0	77.9	89.7	23.1												
18.0	75.8	89.2	22.3												
20.0	73.7	88.6	21.2												
22.0	71.5	88.0	20.2												
23.5				73.0	88.1	20.0									
24.0	69.4	87.3	19.4	72.4	88.0	20.0									
26.0	67.1	86.4	18.8	70.3	87.3	19.5									
28.0	64.9	85.5	18.4	68.1	86.5	19.1									
30.0	62.6	84.5	18.0	65.8	85.6	18.6									
32.0	60.3	83.4	17.6	63.6	84.7	18.2									
34.0	57.9	82.2	17.3	61.2	83.6	17.9									
35.2							65.0	84.3	18.3						
36.0	55.4	80.8	17.0	58.9	82.4	17.5	64.1	83.9	18.3						
38.0	52.8	79.4	16.7	56.4	81.1	17.2	61.8	82.8	18.0						
40.0	50.2	77.7	16.5	53.9	79.7	16.9	59.4	81.7	17.6						
42.0	47.5	76.0	15.7	51.3	78.1	16.7	57.0	80.4	17.3						
44.0	44.6	74.0	15.0	48.6	76.4	16.2	54.5	79.0	17.0						
46.0	41.6	71.8	14.3	45.8	74.5	15.7	51.9	77.5	16.8						
48.0	38.3	69.4	13.7	42.9	72.4	15.2	49.3	75.8	16.5						
48.8										55.0	77.2	16.0			
50.0	34.9	66.6	13.2	39.7	70.1	14.8	46.5	74.0	16.0	53.6	76.4	16.6			
55.0	24.3	57.6	11.3	30.7	62.9	13.3	38.8	68.4	14.8	46.9	72.2	16.1			
58.0	16.2	50.2	9.4												
60.0				18.0	51.6	11.1	29.6	60.9	13.4	39.3	66.7	14.8			
61.0				15.6	49.3	10.0									
65.0							16.1	48.7	11.6	30.2	59.4	13.6			
70.0										17.2	47.7	12.1			
71.4													35.0	56.6	10.8
75.0													29.1	51.6	10.1
80.0													15.1	38.9	9.1



### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 59.0 m Plumín															
16.6	78.0	92.7	20.1												
18.0	76.6	92.3	19.7												
20.0	74.6	91.8	18.6												
22.0	72.5	91.2	17.7												
24.0	70.4	90.5	17.0												
24.4				73.0	91.0	17.3									
26.0	68.3	89.7	16.5	71.3	90.5	17.1									
28.0	66.2	88.8	16.0	69.2	89.7	16.6									
30.0	64.1	87.9	15.7	67.1	88.9	16.3									
32.0	61.8	86.8	15.4	65.0	88.0	15.9									
34.0	59.6	85.7	15.1	62.8	87.0	15.5									
36.0	57.3	84.4	14.8	60.5	85.9	15.3									
36.4							65.0	87.0	15.8						
38.0	54.9	83.0	14.5	58.2	84.6	14.9	63.3	86.2	15.7						
40.0	52.5	81.5	14.2	55.9	83.3	14.7	61.0	85.1	15.3						
42.0	49.9	79.8	14.0	53.5	81.8	14.4	58.8	83.9	15.1						
44.0	47.3	78.0	13.5	51.0	80.3	14.2	56.4	82.6	14.8						
46.0	44.5	76.0	13.0	48.4	78.5	13.9	54.0	81.2	14.6						
48.0	41.6	73.8	12.6	45.7	76.6	13.6	51.6	79.6	14.4						
50.0	38.6	71.4	12.2	42.9	74.5	13.3	49.0	77.9	14.1						
50.5										55.0	79.7	14.2			
55.0	29.7	63.8	11.0	35.0	68.1	12.7	42.1	72.9	13.5	49.4	76.1	13.9			
60.0	17.1	51.9	9.3	25.0	59.2	10.9	34.0	66.3	12.8	42.5	71.1	13.4			
61.0	15.8	50.6	8.5												
64.0				15.2	49.6	9.0									
65.0							23.7	57.0	11.2	34.6	64.7	12.8			
68.0							16.8	50.3	10.0						
70.0										24.4	55.6	11.6			
73.0										15.6	47.0	10.8			
73.9													35.0	58.3	10.1
75.0													34.0	57.4	9.9
80.0													23.8	48.2	9.0
82.0													18.2	42.8	8.6

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 62.0 m Plumín															
17.2	78.0	95.6	18.1												
18.0	77.3	95.4	18.1												
20.0	75.3	94.9	17.1												
22.0	73.4	94.3	16.4												
24.0	71.4	93.7	15.7												
25.2				73.0	93.9	15.7									
26.0	69.5	92.9	15.2	72.3	93.6	15.7									
28.0	67.4	92.1	14.8	70.3	92.9	15.3									
30.0	65.4	91.2	14.4	68.3	92.2	15.0									
32.0	63.3	90.2	14.1	66.3	91.3	14.6									
34.0	61.2	89.1	13.9	64.2	90.3	14.2									
36.0	59.1	88.0	13.6	62.1	89.3	14.0									
37.7							65.0	89.7	14.3						
38.0	56.9	86.7	13.3	60.0	88.2	13.7	64.7	89.6	14.3						
40.0	54.6	85.3	13.0	57.8	86.9	13.4	62.6	88.5	14.1						
42.0	52.2	83.7	12.8	55.5	85.6	13.2	60.5	87.4	13.8						
44.0	49.8	82.1	12.6	53.2	84.1	13.0	58.3	86.2	13.6						
46.0	47.3	80.3	12.2	50.9	82.5	12.8	56.1	84.9	13.3						
48.0	44.7	78.3	11.9	48.4	80.7	12.6	53.8	83.4	13.1						
50.0	42.0	76.1	11.6	45.8	78.8	12.4	51.4	81.9	12.9						
52.2										55.0	82.1	12.8			
55.0	34.4	69.6	10.9	38.8	73.2	11.9	45.1	77.3	12.5	51.8	80.0	12.7			
60.0	24.8	60.5	9.5	30.5	65.8	10.9	38.0	71.5	12.2	45.5	75.5	12.3			
64.0	15.4	51.0	7.8												
65.0				19.3	54.7	9.3	29.5	63.8	11.2	38.5	69.8	12.0			
66.0				16.1	51.4	9.0									
70.0							17.6	52.0	9.8	30.1	62.3	11.4			
71.0							16.4	50.7	9.1						
75.0										18.5	50.9	10.2			
76.0										15.2	47.4	10.0			
76.3													35.0	60.0	9.5
80.0													29.5	55.0	8.9
85.0													17.8	43.3	8.1

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 65.0 m Plumín															
17.9	78.0	98.5	16.5												
18.0	77.9	98.5	16.5												
20.0	76.0	98.0	15.9												
22.0	74.2	97.5	15.2												
24.0	72.3	96.8	14.6												
26.0	70.5	96.1	14.1												
26.1				73.0	96.8	14.4									
28.0	68.6	95.4	13.7	71.2	96.1	14.3									
30.0	66.6	94.5	13.3	69.4	95.4	13.9									
32.0	64.7	93.6	13.0	67.4	94.6	13.6									
34.0	62.7	92.6	12.8	65.5	93.7	13.2									
36.0	60.7	91.4	12.5	63.5	92.7	12.9									
38.0	58.6	90.2	12.2	61.5	91.6	12.7									
39.0							65.0	92.4	13.1						
40.0	56.5	88.9	11.9	59.5	90.5	12.4	64.0	91.9	13.0						
42.0	54.3	87.5	11.7	57.4	89.2	12.1	62.0	90.9	12.8						
44.0	52.1	86.0	11.4	55.2	87.8	11.8	59.9	89.7	12.5						
46.0	49.8	84.3	11.2	53.0	86.3	11.6	57.8	88.5	12.3						
48.0	47.4	82.5	10.9	50.7	84.7	11.4	55.7	87.2	12.0						
50.0	44.9	80.5	10.6	48.4	83.0	11.2	53.5	85.7	11.8						
54.0										55.0	84.6	11.6			
55.0	38.1	74.8	10.0	42.1	77.9	10.6	47.7	81.5	11.3	53.8	83.8	11.6			
60.0	30.1	67.2	9.1	34.9	71.5	10.1	41.3	76.3	10.8	48.1	79.7	11.2			
65.0	19.2	56.0	8.0	25.9	62.7	9.0	34.0	69.6	10.4	41.7	74.5	10.8			
66.0	16.2	52.7	7.8												
69.0				15.7	51.8	8.1									
70.0							24.8	60.5	9.4	34.5	68.0	10.5			
74.0							16.0	51.1	8.0						
75.0										25.4	59.1	9.7			
78.8													35.0	61.7	8.9
79.0										17.0	50.1	8.4			
80.0													34.0	60.8	8.7
85.0													24.9	51.7	7.9
88.0													17.3	43.7	7.3

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 68.0 m Plumín															
18.5	78.0	101.5	15.2												
20.0	76.7	101.1	14.9												
22.0	74.9	100.6	14.2												
24.0	73.1	100.0	13.7												
26.0	71.4	99.3	13.2												
27.0				73.0	99.6	13.3									
28.0	69.6	98.6	12.9	72.1	99.3	13.3									
30.0	67.7	97.8	12.5	70.3	98.6	13.0									
32.0	65.9	96.9	12.2	68.5	97.8	12.7									
34.0	64.0	95.9	11.9	66.7	97.0	12.4									
36.0	62.1	94.9	11.7	64.8	96.0	12.1									
38.0	60.1	93.8	11.4	62.9	95.0	11.8									
40.0	58.1	92.5	11.0	61.0	93.9	11.6									
40.2							65.0								
42.0	56.1	91.2	10.8	59.0	92.8	11.3	63.3	95.2	12.0						
44.0	54.0	89.8	10.5	57.0	91.5	11.0	61.4	93.2	11.7						
46.0	51.9	88.2	10.3	54.9	90.1	10.8	59.4	92.0	11.5						
48.0	49.7	86.6	10.1	52.8	88.6	10.5	57.4	90.8	11.2						
50.0	47.4	84.7	9.8	50.6	87.0	10.3	55.4	89.4	11.0						
55.0	41.3	79.5	9.2	44.8	82.3	9.7	50.0	85.5	10.5						
55.7										55.0	87.1	10.7			
60.0	34.3	72.9	8.7	38.4	76.6	9.2	44.2	80.8	9.9	50.4	83.7	10.3			
65.0	25.7	64.0	7.8	30.8	69.1	8.5	37.6	74.8	9.4	44.5	79.0	9.9			
69.0	15.9	53.1	7.1												
70.0				20.9	58.5	7.8	29.9	67.2	8.9	38.1	73.2	9.5			
72.0				15.3	52.2	7.5									
75.0							19.6	56.0	8.3	30.4	65.6	9.1			
77.0							15.6	51.5	7.3						
80.0										20.3	54.8	8.6			
81.2													35.0	63.4	8.3
82.0										16.6	50.5	7.6			
85.0													29.9	58.3	7.7
90.0													19.7	47.3	6.9
91.0													16.9	44.2	6.7

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 71.0 m Plumín															
19.1	78.0	104.4	13.6												
20.0	77.2	104.2	13.6												
22.0	75.6	103.7	12.9												
24.0	73.9	103.1	12.4												
26.0	72.2	102.5	12.0												
27.9				73.0	102.5	12.0									
28.0	70.5	101.8	11.7	72.9	102.5	12.0									
30.0	68.7	101.0	11.4	71.2	101.8	11.9									
32.0	67.0	100.2	11.1	69.5	101.0	11.5									
34.0	65.2	99.3	10.9	67.7	100.2	11.3									
36.0	63.4	98.3	10.6	65.9	99.4	11.0									
38.0	61.5	97.2	10.4	64.1	98.4	10.8									
40.0	59.7	96.1	10.2	62.3	97.4	10.6									
41.5							65.0	97.9	10.8						
42.0	57.7	94.8	9.9	60.4	96.2	10.3	64.5	97.6	10.8						
44.0	55.8	93.5	9.7	58.5	95.0	10.1	62.7	96.6	10.7						
46.0	53.8	92.0	9.5	56.6	93.7	9.9	60.9	95.5	10.4						
48.0	51.7	90.5	9.4	54.6	92.3	9.7	59.0	94.3	10.2						
50.0	49.6	88.8	9.2	52.6	90.8	9.5	57.1	93.0	10.0						
55.0	44.0	84.0	8.7	47.3	86.5	9.1	52.0	89.4	9.6						
57.4										55.0	89.5	9.5			
60.0	37.7	78.1	8.3	41.4	81.3	8.7	46.7	85.0	9.2	52.4	87.5	9.4			
65.0	30.4	70.5	7.7	34.7	74.8	8.3	40.7	79.7	8.8	47.0	83.2	9.1			
70.0	20.9	59.8	6.9	26.7	66.1	7.6	33.9	73.0	8.5	41.1	77.9	8.8			
72.0	15.5	53.5	6.5												
75.0				15.0	52.6	6.8	25.7	64.0	7.9	34.4	71.3	8.6			
80.0							15.3	51.9	6.8	26.2	62.5	8.1			
83.7													35.0	65.2	7.7
85.0													33.1	63.2	7.4
90.0										16.2	50.9	7.1	25.7	55.2	6.6
94.0													16.6	44.6	6.0

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 74.0 m Plumín															
19.7	78.0	107.3	12.4												
20.0	77.8	107.3	12.4												
22.0	76.2	106.8	11.9												
24.0	74.6	106.2	11.4												
26.0	72.9	105.6	11.0												
28.0	71.3	105.0	10.7												
28.8				73.0	105.4	10.9									
30.0	69.6	104.2	10.5	72.0	105.0	10.9									
32.0	68.0	103.4	10.2	70.3	104.3	10.6									
34.0	66.3	102.6	10.0	68.7	103.5	10.4									
36.0	64.5	101.6	9.8	67.0	102.6	10.1									
38.0	62.8	100.6	9.6	65.3	101.7	9.9									
40.0	61.0	99.5	9.4	63.5	100.8	9.7									
42.0	59.2	98.4	9.2	61.8	99.7	9.5									
42.8							65.0	100.6	9.8						
44.0	57.4	97.1	9.0	60.0	98.6	9.3	63.9	100.0	9.8						
46.0	55.5	95.7	8.9	58.2	97.3	9.1	62.2	98.9	9.6						
48.0	53.6	94.3	8.7	56.3	96.0	9.0	60.4	97.8	9.4						
50.0	51.6	92.7	8.6	54.4	94.6	8.8	58.6	96.6	9.2						
55.0	46.4	88.3	8.3	49.4	90.6	8.5	53.9	93.2	8.8						
59.1										55.0	92.0	8.6			
60.0	40.7	82.9	7.9	44.0	85.8	8.2	48.8	89.1	8.6	54.1	91.3	8.6			
65.0	34.2	76.2	7.6	38.0	79.9	8.0	43.4	84.2	8.3	49.1	87.3	8.4			
70.0	26.4	67.5	6.8	31.1	72.5	7.5	37.3	78.2	8.1	43.7	82.4	8.2			
75.0	15.2	53.9	6.0	22.2	62.3	6.8	30.2	70.5	7.7	37.7	76.5	8.0			
78.0				16.5	55.3	5.8									
80.0															
82.0							21.1	59.8	7.1	30.7	69.0	7.8			
85.0							16.1	53.7	6.9						
86.2										21.7	58.5	7.4			
88.0													35.0	66.9	7.1
90.0										15.9	51.4	6.7			
95.0													30.2	61.7	6.5
97.0													21.2	51.1	5.7
													16.2	45.0	5.4

## Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 77.0 m Plumín															
20.3	78.0	110.3	11.1												
22.0	76.7	109.9	10.9												
24.0	75.2	109.4	10.4												
26.0	73.6	108.8	10.1												
28.0	72.1	108.1	9.7												
29.6				73.0	108.2	9.8									
30.0	70.5	107.4	9.5	72.7	108.1	9.8									
32.0	68.9	106.7	9.3	71.1	107.4	9.6									
34.0	67.2	105.9	9.0	69.5	106.7	9.4									
36.0	65.6	105.0	8.8	67.9	105.9	9.2									
38.0	63.9	104.0	8.6	66.3	105.0	8.9									
40.0	62.3	103.0	8.5	64.6	104.1	8.7									
42.0	60.5	101.8	8.3	63.0	103.1	8.5									
44.0	58.8	100.6	8.1	61.3	102.0	8.4	65.0	103.3	8.7						
46.0	57.0	99.4	7.9	59.5	100.9	8.2	63.4	102.3	8.6						
48.0	55.2	98.0	7.8	57.8	99.6	8.0	61.7	101.3	8.4						
50.0	53.4	96.5	7.7	56.0	98.3	7.9	59.9	100.1	8.2						
55.0	48.5	92.4	7.4	51.3	94.5	7.6	55.5	96.9	7.9						
60.0	43.3	87.4	7.1	46.3	90.0	7.3	50.8	93.1	7.6						
60.8										55.0	94.4	7.6			
65.0	37.4	81.4	6.8	40.8	84.7	7.0	45.7	88.5	7.3	51.1	91.2	7.4			
70.0	30.7	73.9	6.4	34.6	78.1	6.8	40.2	83.0	7.1	46.0	86.7	7.2			
75.0	22.1	63.5	5.8	27.3	69.6	6.3	33.9	76.3	6.9	40.5	81.3	7.0			
78.0	16.6	56.6	4.9												
80.0				17.2	57.0	5.8	26.4	67.5	6.6	34.3	74.6	6.8			
81.0				16.2	55.7	5.2									
85.0							15.7	54.1	6.3	26.9	66.0	6.7			
88.6													35.0	68.6	6.4
90.0										16.6	53.1	6.5	33.1	66.5	6.2
91.0										15.5	51.8	6.0			
95.0													26.4	58.6	5.5
100.0													15.9	45.4	4.8

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 80.0 m Plumín															
21.0	78.0	113.2	10.1												
22.0	77.2	113.0	10.0												
24.0	75.8	112.5	9.6												
26.0	74.3	111.9	9.2												
28.0	72.8	111.3	8.9												
30.0	71.2	110.6	8.7												
30.5				73.0	111.1	8.9									
32.0	69.7	109.9	8.5	71.9	110.6	8.8									
34.0	68.2	109.1	8.3	70.3	109.9	8.6									
36.0	66.6	108.3	8.0	68.8	109.1	8.3									
38.0	65.0	107.3	7.8	67.2	108.3	8.1									
40.0	63.4	106.3	7.7	65.7	107.4	7.9									
42.0	61.8	105.3	7.5	64.1	106.5	7.7									
44.0	60.1	104.1	7.3	62.5	105.4	7.6									
45.3							65.0	106.0	7.8						
46.0	58.4	102.9	7.2	60.8	104.3	7.4	64.4	105.7	7.8						
48.0	56.7	101.6	7.0	59.1	103.1	7.3	62.8	104.7	7.7						
50.0	55.0	100.2	6.9	57.4	101.9	7.1	61.2	103.6	7.5						
55.0	50.4	96.4	6.6	53.0	98.3	6.8	57.0	100.5	7.1						
60.0	45.5	91.8	6.3	48.3	94.2	6.5	52.5	96.9	6.8						
62.6										55.0	96.9	6.7			
65.0	40.2	86.3	6.1	43.3	89.2	6.3	47.8	92.7	6.5	52.8	95.1	6.6			
70.0	34.2	79.5	5.9	37.7	83.2	6.1	42.7	87.6	6.3	48.1	90.9	6.4			
75.0	27.0	70.9	5.5	31.3	75.8	5.8	37.0	81.5	6.1	43.0	85.9	6.2			
80.0	17.3	58.3	5.0	23.3	65.9	5.5	30.5	73.9	6.0	37.4	79.8	6.0			
81.0	16.3	57.0	4.5												
84.0				15.9	56.1	4.8									
85.0							22.3	63.5	5.8	30.9	72.3	6.0			
88.0							15.4	54.5	5.7						
90.0										22.8	62.2	6.0			
91.1										15.2	52.1	5.4	35.0	70.3	5.6
94.0															
95.0													29.6	64.0	5.3
100.0													22.3	54.8	4.7
103.0													15.6	45.8	4.3



### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 83.0 m Plumín															
21.6	78.0	116.1	9.1												
22.0	77.7	116.0	9.1												
24.0	76.3	115.6	8.7												
26.0	74.8	115.0	8.4												
28.0	73.4	114.4	8.2												
30.0	71.9	113.8	7.9												
31.4				73.0	114.0	8.0									
32.0	70.5	113.1	7.7	72.6	113.8	8.0									
34.0	69.0	112.3	7.6	71.1	113.1	7.8									
36.0	67.5	111.5	7.3	69.6	112.4	7.6									
38.0	66.0	110.6	7.1	68.1	111.6	7.4									
40.0	64.4	109.7	7.0	66.6	110.7	7.2									
42.0	62.9	108.7	6.8	65.1	109.8	7.0									
44.0	61.3	107.6	6.7	63.5	108.8	6.9									
46.0	59.7	106.4	6.5	62.0	107.8	6.8									
46.6							65.0	108.8	7.0						
48.0	58.1	105.2	6.4	60.4	106.6	6.6	63.9	108.1	7.0						
50.0	56.4	103.9	6.3	58.8	105.4	6.5	62.3	107.0	6.8						
55.0	52.1	100.2	6.0	54.6	102.1	6.1	58.3	104.1	6.5						
60.0	47.6	95.9	5.7	50.2	98.2	5.9	54.1	100.7	6.1						
64.3										55.0	99.3	6.0			
65.0	42.6	90.9	5.4	45.5	93.5	5.6	49.7	96.7	5.9	54.4	98.8	6.0			
70.0	37.2	84.8	5.2	40.3	88.1	5.4	44.9	92.0	5.6	50.0	94.9	5.8			
75.0	30.9	77.2	4.9	34.6	81.4	5.2	39.7	86.4	5.4	45.2	90.2	5.6			
80.0	23.1	67.2	4.6	27.8	73.0	4.9	33.9	79.6	5.3	40.1	84.7	5.4			
84.0	16.0	57.4	3.8												
85.0				18.9	61.1	4.6	27.0	70.9	5.1	34.3	77.9	5.2			
87.0				15.6	56.5	4.0									
90.0							17.6	58.4	4.9	27.4	69.4	5.2			
91.0							15.1	54.9	4.9						
93.5										18.3	57.3	5.1	35.0	72.1	4.9
95.0										15.9	53.9	5.1	33.2	69.8	4.9
96.0															
100.0													26.0	60.8	4.4
105.0													17.8	49.7	3.8
106.0													15.3	46.2	3.7

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 86.0 m Plumín															
22.2	78.0	119.1	8.2												
24.0	76.8	118.7	8.1												
26.0	75.4	118.1	7.8												
28.0	74.0	117.6	7.6												
30.0	72.6	117.0	7.3												
32.0	71.2	116.3	7.1												
32.3				73.0	116.8	7.3									
34.0	69.8	115.6	6.9	71.8	116.3	7.2									
36.0	68.3	114.8	6.8	70.4	115.6	7.0									
38.0	66.9	113.9	6.6	68.9	114.8	6.8									
40.0	65.4	113.0	6.4	67.5	114.0	6.7									
42.0	63.9	112.1	6.3	66.0	113.1	6.5									
44.0	62.4	111.0	6.2	64.5	112.2	6.3									
46.0	60.9	109.9	6.0	63.0	111.2	6.2									
47.8							65.0	111.5	6.3						
48.0	59.3	108.7	5.9	61.5	110.1	6.1	64.9	111.4	6.3						
50.0	57.7	107.5	5.8	60.0	108.9	6.0	63.4	110.4	6.2						
55.0	53.7	104.0	5.5	56.0	105.8	5.6	59.6	107.6	5.9						
60.0	49.4	100.0	5.2	51.8	102.0	5.4	55.6	104.4	5.6						
65.0	44.8	95.2	4.9	47.4	97.7	5.1	51.4	100.6	5.4						
66.0										55.0	101.8	5.4			
70.0	39.8	89.6	4.6	42.7	92.6	4.8	46.9	96.2	5.1	51.6	98.8	5.3			
75.0	34.1	82.9	4.4	37.4	86.6	4.6	42.1	91.0	4.9	47.2	94.4	5.1			
80.0	27.5	74.3	4.1	31.4	79.1	4.4	36.8	84.8	4.7	42.4	89.3	4.9			
85.0	18.9	62.4	3.9	24.1	69.4	4.2	30.7	77.2	4.5	37.1	83.2	4.7			
87.0	15.7	57.8	3.3												
90.0				15.3	56.9	3.4	23.2	67.2	4.3	31.1	75.6	4.6			
94.0							16.4	57.6	3.6						
95.0										23.7	65.8	4.4			
96.0													35.0	73.8	4.3
99.0										15.6	54.3	4.3			
100.0													29.9	67.3	4.3
105.0													23.3	58.4	3.7
108.0													17.4	50.1	3.3

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 89.0 m Plumín															
22.8	78.0	122.0	7.3												
24.0	77.2	121.7	7.2												
26.0	75.9	121.2	6.9												
28.0	74.6	120.7	6.7												
30.0	73.2	120.1	6.5												
32.0	71.8	119.5	6.3												
33.1				73.0	119.7	6.4									
34.0	70.5	118.8	6.1	72.4	119.4	6.4									
36.0	69.1	118.0	6.0	71.1	118.8	6.2									
38.0	67.7	117.2	5.8	69.7	118.0	6.0									
40.0	66.3	116.3	5.6	68.3	117.2	5.9									
42.0	64.9	115.4	5.5	66.9	116.4	5.7									
44.0	63.4	114.4	5.3	65.5	115.5	5.5									
46.0	62.0	113.4	5.2	64.0	114.5	5.4									
48.0	60.5	112.2	5.1	62.6	113.5	5.3									
49.1							65.0	114.2	5.4						
50.0	59.0	111.0	5.0	61.1	112.4	5.2	64.4	113.8	5.4						
55.0	55.1	107.7	4.7	57.3	109.4	4.8	60.7	111.1	5.1						
60.0	51.0	103.9	4.5	53.4	105.8	4.6	56.9	108.0	4.8						
65.0	46.7	99.5	4.2	49.2	101.8	4.4	52.9	104.4	4.6						
67.7										55.0	104.3	4.5			
70.0	42.0	94.3	4.0	44.7	97.0	4.1	48.7	100.3	4.4	53.2	102.6	4.5			
75.0	36.9	88.1	3.7	39.9	91.4	3.9	44.2	95.5	4.2	49.0	98.5	4.3			
80.0	31.1	80.5	3.5	34.5	84.7	3.7	39.3	89.8	4.0	44.5	93.7	4.1			
85.0	24.0	70.7	3.3	28.2	76.4	3.5	33.9	82.9	3.8	39.7	88.0	3.9			
90.0	15.5	58.2	2.7	20.2	65.0	3.3	27.5	74.3	3.6	34.2	81.3	3.8			
93.0				15.0	57.3	2.7									
95.0							19.1	62.4	3.4	27.9	72.8	3.7			
97.0							16.2	58.0	2.9						
98.4													35.0	75.5	3.6
100.0										19.7	61.2	3.6	33.2	73.2	3.6
102.0										15.4	54.7	3.5			
105.0													26.6	64.3	3.4
110.0													19.2	53.7	2.9
111.0													17.1	50.6	2.8

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 92.0 m Plumín															
23.5	78.0	124.9	6.5												
24.0	77.7	124.8	6.5												
26.0	76.4	124.3	6.2												
28.0	75.1	123.8	6.0												
30.0	73.8	123.2	5.8												
32.0	72.5	122.6	5.6												
34.0	71.1	121.9	5.4	73.0	122.6	5.6									
36.0	69.8	121.2	5.3	71.7	121.9	5.5									
38.0	68.5	120.4	5.1	70.4	121.2	5.3									
40.0	67.1	119.6	4.9	69.0	120.5	5.2									
42.0	65.7	118.7	4.8	67.7	119.7	5.0									
44.0	64.4	117.8	4.7	66.3	118.8	4.9									
46.0	63.0	116.7	4.6	64.9	117.9	4.7									
48.0	61.5	115.7	4.4	63.5	116.9	4.6									
50.0	60.1	114.5	4.3	62.1	115.8	4.5									
50.4							65.0	116.9	4.7						
55.0	56.4	111.4	4.0	58.5	112.9	4.2	61.7	114.5	4.4						
60.0	52.5	107.8	3.8	54.8	109.6	4.0	58.1	111.6	4.2						
65.0	48.5	103.6	3.6	50.8	105.7	3.8	54.3	108.2	3.9						
69.4										55.0	106.7	3.8			
70.0	44.1	98.7	3.4	46.6	101.2	3.5	50.4	104.3	3.7	54.6	106.3	3.8			
75.0	39.4	93.0	3.2	42.1	96.0	3.3	46.1	99.7	3.5	50.6	102.4	3.6			
80.0	34.1	86.2	3.0	37.2	89.9	3.2	41.6	94.4	3.4	46.4	97.9	3.5			
85.0	28.0	77.7	2.8	31.6	82.5	3.0	36.6	88.2	3.2	41.9	92.7	3.3			
90.0	20.2	66.3	2.6	24.9	73.0	2.8	30.9	80.5	3.1	36.9	86.5	3.2			
93.0	15.2	58.6	2.1												
95.0				15.7	59.1	2.6	24.0	70.7	2.9	31.3	79.0	3.1			
100.0							15.9	58.4	2.4	24.5	69.3	3.0			
100.9													35.0	77.2	2.9
105.0										15.1	55.1	2.8	30.2	70.7	2.9
110.0													23.1	60.5	2.7
114.0													16.8	51.0	2.3

### Cargas pluma principal + plumín abatible

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 ]
32.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (1916-1) 95.0 m Plumín															
24.1	78.0	127.9	5.9												
26.0	76.8	127.4	5.8												
28.0	75.6	126.9	5.6												
30.0	74.3	126.4	5.4												
32.0	73.0	125.8	5.2												
34.0	71.8	125.1	5.1												
34.9				73.0	125.4	5.2									
36.0	70.5	124.4	4.9	72.3	125.1	5.2									
38.0	69.2	123.7	4.8	71.0	124.4	5.0									
40.0	67.9	122.9	4.6	69.7	123.7	4.8									
42.0	66.6	122.0	4.5	68.4	122.9	4.7									
44.0	65.2	121.1	4.4	67.1	122.1	4.6									
46.0	63.9	120.1	4.3	65.8	121.2	4.4									
48.0	62.5	119.1	4.2	64.4	120.2	4.3									
50.0	61.1	118.0	4.0	63.1	119.2	4.2									
51.6							65.0	119.6	4.3						
55.0	57.6	115.0	3.7	59.6	116.4	3.9	62.7	117.9	4.2						
60.0	53.9	111.5	3.4	56.0	113.2	3.6	59.2	115.1	3.9						
65.0	50.1	107.5	3.2	52.3	109.6	3.4	55.6	111.9	3.6						
70.0	46.0	103.0	2.8	48.3	105.3	3.1	51.9	108.1	3.4						
71.2										55.0	109.2	3.5			
75.0	41.6	97.7	2.6	44.1	100.5	2.7	47.9	103.9	3.1	52.1	106.3	3.3			
80.0				39.5	94.8	2.5	43.6	98.9	2.8	48.1	102.0	3.0			
85.0							39.0	93.1	2.5	43.9	97.1	2.8			
90.0							33.8	86.2	2.3	39.3	91.4	2.5			
95.0										34.2	84.6	2.3			
103.4													35.0	78.9	2.2
105.0													33.2	76.5	2.2
110.0													27.1	67.7	2.0

### Cargas pluma principal + plumín abatible

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 ]
35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 20.0 m Plumín															
8.5	78.0	57.5	117.0												
9.0	76.6	57.4	117.0												
10.0	73.7	57.1	114.4												
11.0	70.6	56.7	104.5												
12.0	67.5	56.3	95.2												
13.0	64.3	55.8	85.5												
13.3				73.0	56.7	100.7									
14.0	61.1	55.3	78.3	70.9	56.5	98.9									
16.0	54.2	53.9	64.3	64.7	55.6	86.4									
18.0	46.5	52.2	54.5	58.0	54.4	75.2									
20.0	37.7	49.9	46.3	50.8	52.9	64.9									
20.7							65.0	54.6	30.1						
22.0	26.4	46.5	40.3	42.8	50.9	53.8	61.0	53.9	61.1						
23.0	18.4	43.8	37.4												
24.0				33.1	48.2	46.1	54.0	52.5	56.0						
26.0				19.3	43.8	40.6	46.4	50.8	50.8						
28.0							37.6	48.4	46.3						
29.4										55.0	50.5	30.1			
30.0							26.2	45.0	42.5	53.3	50.1	39.5			
31.0							18.0	42.3	40.8						
32.0										45.6	48.3	36.5			
34.0										36.5	45.8	33.9			
36.0										24.7	42.2	31.6			
37.0										15.8	39.3	30.5			
44.0													35.0	38.0	21.1
46.0													24.6	34.8	20.0
47.0													15.5	31.8	19.4

### Cargas pluma principal + plumín abatible

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 ]
35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 23.0 m Plumín															
9.2	78.0	60.4	113.2												
10.0	75.9	60.2	110.6												
11.0	73.3	59.9	103.6												
12.0	70.6	59.6	93.3												
13.0	67.9	59.2	85.0												
14.0	65.2	58.7	76.6												
14.2				73.0	59.6	92.8									
16.0	59.5	57.6	64.2	68.2	58.9	84.9									
18.0	53.4	56.2	53.8	62.6	57.9	75.9									
20.0	46.8	54.4	46.4	56.8	56.7	64.3									
22.0	39.3	52.2	40.1	50.5	55.1	55.2	65.0	57.3	60.0						
24.0	30.2	49.2	35.7	43.5	53.2	47.4	59.4	56.2	55.1						
26.0	17.0	44.3	32.0	35.4	50.6	41.4	53.3	54.8	50.5						
28.0				25.1	47.0	37.4	46.6	53.0	46.1						
29.0				17.9	44.3	35.3									
30.0							39.1	50.7	42.4						
31.1										55.0	52.9	30.1			
32.0							30.0	47.7	39.1	52.6	52.3	36.2			
34.0							16.7	42.7	36.2	45.9	50.5	33.6			
36.0										38.3	48.2	31.3			
38.0										27.5	44.5	29.3			
40.0										17.8	40.9	15.1			
46.5													35.0	39.8	19.4
48.0													27.3	37.1	18.6
50.0													17.6	33.4	15.1

### Cargas pluma principal + plumín abatible

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 ]
35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 26.0 m Plumín															
9.8	78.0	63.4	109.9												
10.0	77.5	63.3	109.9												
11.0	75.2	63.1	102.7												
12.0	72.9	62.8	93.2												
13.0	70.6	62.4	83.7												
14.0	68.2	62.0	76.4												
15.1				73.0	62.4	86.3									
16.0	63.3	61.0	63.2	70.8	62.1	83.8									
18.0	58.2	59.9	53.4	66.1	61.3	74.6									
20.0	52.8	58.4	45.5	61.1	60.2	67.4									
22.0	46.9	56.7	39.7	55.8	58.9	55.4									
23.3							65.0	60.0	55.9						
24.0	40.4	54.5	34.7	50.2	57.4	47.4	63.3	59.6	54.3						
26.0	32.8	51.7	31.2	44.1	55.4	41.9	58.1	58.5	50.1						
28.0	23.0	47.7	29.0	37.1	53.0	37.4	52.7	57.0	46.0						
29.0	15.9	44.7	27.8												
30.0				28.8	49.8	34.3	46.8	55.2	42.2						
32.0				16.7	44.7	31.1	40.3	53.1	39.0						
32.8										55.0	55.4	30.1			
34.0							32.6	50.2	36.2	52.1	54.6	33.5			
36.0							22.7	46.2	33.7	46.2	52.8	31.2			
37.0							15.6	43.1	32.6						
38.0										39.6	50.5	29.2			
40.0										31.8	47.6	27.4			
42.0										19.5	42.6	25.7			
43.0										16.6	41.3	15.1			
49.0													35.0	41.5	18.0
50.0													30.5	39.8	17.5
53.0													16.5	33.9	15.1



### Cargas pluma principal + plumín abatible

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 ]
35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 29.0 m Plumín															
10.4	78.0	66.3	100.6												
11.0	76.8	66.2	100.5												
12.0	74.8	65.9	91.3												
13.0	72.7	65.6	83.0												
14.0	70.6	65.2	75.0												
15.9				73.0	65.3	80.1									
16.0	66.3	64.4	62.5	72.9	65.3	80.1									
18.0	61.9	63.4	53.2	68.7	64.5	73.5									
20.0	57.2	62.1	45.2	64.3	63.6	64.7									
22.0	52.3	60.7	38.9	59.8	62.5	56.9									
24.0	47.1	58.9	34.7	55.1	61.2	48.2									
24.5							65.0	62.7	30.1						
26.0	41.3	56.8	31.3	50.0	59.6	42.3	61.8	62.0	49.2						
28.0	34.7	54.1	28.5	44.5	57.7	37.9	57.2	60.7	45.7						
30.0	26.7	50.6	26.6	38.4	55.3	34.2	52.2	59.3	42.0						
32.0	17.5	46.2	15.1	31.3	52.3	31.5	47.0	57.5	38.8						
34.0				22.2	48.2	28.9	41.2	55.3	36.0						
34.6										55.0	57.8	30.1			
35.0				15.8	45.1	27.6									
36.0							34.6	52.7	33.5	51.7	56.8	30.9			
38.0							26.5	49.1	31.3	46.4	55.0	28.9			
40.0							17.2	44.7	15.1	39.9	52.6	27.1			
42.0										33.8	50.1	25.5			
44.0										24.2	45.8	24.0			
46.0										15.7	41.7	15.1			
51.4													35.0	43.2	16.5
55.0													22.0	37.4	15.1
56.0													15.5	34.2	14.7

### Cargas pluma principal + plumín abatible

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 ]
35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 32.0 m Plumín															
11.0	78.0	69.2	93.0												
12.0	76.2	69.0	91.0												
13.0	74.4	68.7	82.2												
14.0	72.5	68.4	74.7												
16.0	68.7	67.7	62.8												
16.8				73.0	68.2	75.2									
18.0	64.7	66.8	52.4	70.8	67.8	73.1									
20.0	60.7	65.7	45.2	66.9	67.0	65.3									
22.0	56.4	64.4	38.7	62.9	66.0	56.4									
24.0	52.0	62.9	33.7	58.8	64.8	49.2									
25.8							65.0	65.4	49.0						
26.0	47.2	61.2	30.6	54.4	63.4	42.8	64.7	65.3	48.7						
28.0	42.0	59.1	28.2	49.8	61.8	38.2	60.6	64.3	45.2						
30.0	36.2	56.5	26.2	44.9	59.9	34.6	56.3	63.0	41.9						
32.0	29.4	53.3	24.6	39.5	57.6	31.5	51.9	61.5	38.7						
34.0	20.6	48.8	23.0	33.3	54.8	29.1	47.1	59.7	35.9						
35.0	16.6	46.7	15.1												
36.0				25.8	51.2	27.0	41.9	57.6	33.5						
36.3										55.0	60.3	30.1			
38.0				17.2	46.7	15.1	36.1	55.1	31.3	51.1	58.9	28.8			
40.0							29.2	51.8	29.4	46.1	57.1	27.0			
42.0							18.7	46.4	27.6	40.8	54.9	25.4			
43.0							16.3	45.1	15.1						
44.0										35.4	52.5	24.0			
46.0										27.4	48.6	22.6			
48.0										17.4	43.5	21.4			
53.9													35.0	44.9	15.4
55.0													33.2	44.1	15.0
58.0													20.9	37.9	14.0

### Cargas pluma principal + plumín abatible

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 ]
35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 35.0 m Plumín															
11.7	78.0	72.2	85.3												
12.0	77.4	72.1	85.3												
13.0	75.7	71.8	81.2												
14.0	74.0	71.6	74.0												
16.0	70.6	70.9	61.4												
17.7				73.0	71.0	70.3									
18.0	67.0	70.1	52.1	72.5	70.9	70.2									
20.0	63.4	69.1	44.3	69.0	70.2	64.5									
22.0	59.7	68.0	38.7	65.4	69.3	56.7									
24.0	55.7	66.7	34.0	61.7	68.3	49.7									
26.0	51.6	65.2	30.3	57.9	67.1	43.5									
27.1							65.0	68.1	45.9						
28.0	47.3	63.4	27.9	53.9	65.7	38.6	63.3	67.7	44.4						
30.0	42.6	61.3	25.8	49.7	64.1	34.9	59.6	66.6	41.4						
32.0	37.4	58.9	24.0	45.2	62.2	31.8	55.7	65.3	38.4						
34.0	31.4	55.8	22.6	40.3	59.9	29.1	51.6	63.7	35.7						
36.0	24.2	51.9	21.2	34.8	57.3	26.9	47.2	62.0	33.2						
38.0	15.8	47.1	15.1	28.4	53.9	25.1	42.5	59.9	31.1	55.0	62.7	28.4			
40.0				20.1	49.2	23.2	37.3	57.4	29.2	50.8	61.2	26.7			
41.0				16.4	47.1	15.1									
42.0							30.5	53.9	27.4	46.3	59.3	25.1			
44.0							22.8	49.7	25.8	41.5	57.1	23.7			
46.0							15.6	45.5	15.1	36.7	54.9	22.4			
48.0										30.6	51.7	21.2			
50.0										23.2	47.6	20.1			
51.0										16.6	43.9	19.5			
56.3													35.0	46.6	14.2
60.0													24.4	41.0	13.0
61.0													19.9	38.4	12.7

### Cargas pluma principal + plumín abatible

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 ]
35.0 m Pluma principal, Punto de carga 1 - Cabeza de plumín Cabeza de plumín (2316-1) 38.0 m Plumín															
12.3	78.0	75.1	79.0												
13.0	76.9	74.9	79.0												
14.0	75.3	74.7	73.2												
16.0	72.2	74.1	61.2												
18.0	69.0	73.3	52.2												
18.6				73.0	73.9	66.1									
20.0	65.7	72.5	44.0	70.7	73.4	64.3									
22.0	62.3	71.4	38.1	67.5	72.6	58.6									
24.0	58.8	70.3	33.9	64.2	71.7	49.9									
26.0	55.2	68.9	30.4	60.7	70.6	44.1									
28.0	51.4	67.4	27.7	57.2	69.4	39.2									
28.3							65.0	70.9	30.1						
30.0	47.3	65.6	25.6	53.5	67.9	35.3	62.2	70.0	40.8						
32.0	43.0	63.6	23.8	49.6	66.3	32.3	58.7	68.9	38.2						
34.0	38.3	61.2	22.2	45.4	64.4	29.5	55.1	67.5	35.5						
36.0	33.0	58.3	20.9	41.0	62.2	27.1	51.3	66.0	33.1						
38.0	26.8	54.7	19.7	36.0	59.6	25.1	47.3	64.2	30.9						
39.7										55.0	65.2	26.7			
40.0	18.8	49.8	18.5	30.4	56.5	23.5	42.5	61.9	29.0	54.5	65.0	26.5			
41.0	15.1	47.4	15.1												
42.0				23.5	52.4	21.9	37.7	59.5	27.3	50.6	63.4	24.9			
44.0				15.7	47.5	15.1	32.2	56.5	25.7	46.5	61.6	23.5			
46.0							25.8	52.7	24.3	42.0	59.4	22.2			
48.0							18.6	48.3	23.0	37.2	56.9	21.0			
50.0										31.6	53.8	19.9			
54.0										17.6	45.3	18.0			
58.8													35.0	48.4	13.2
60.0													33.2	47.4	12.8
64.0													19.1	38.9	11.7