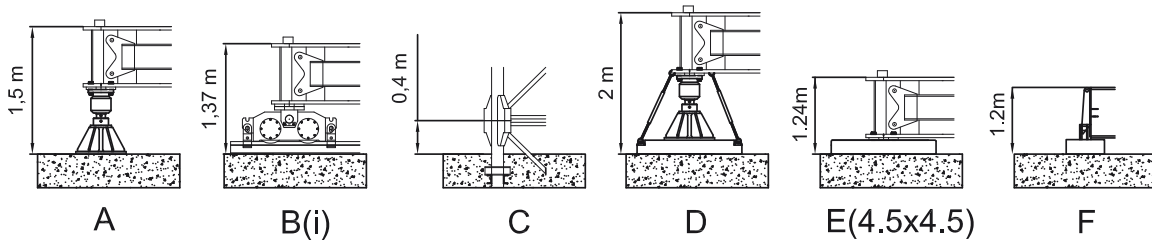
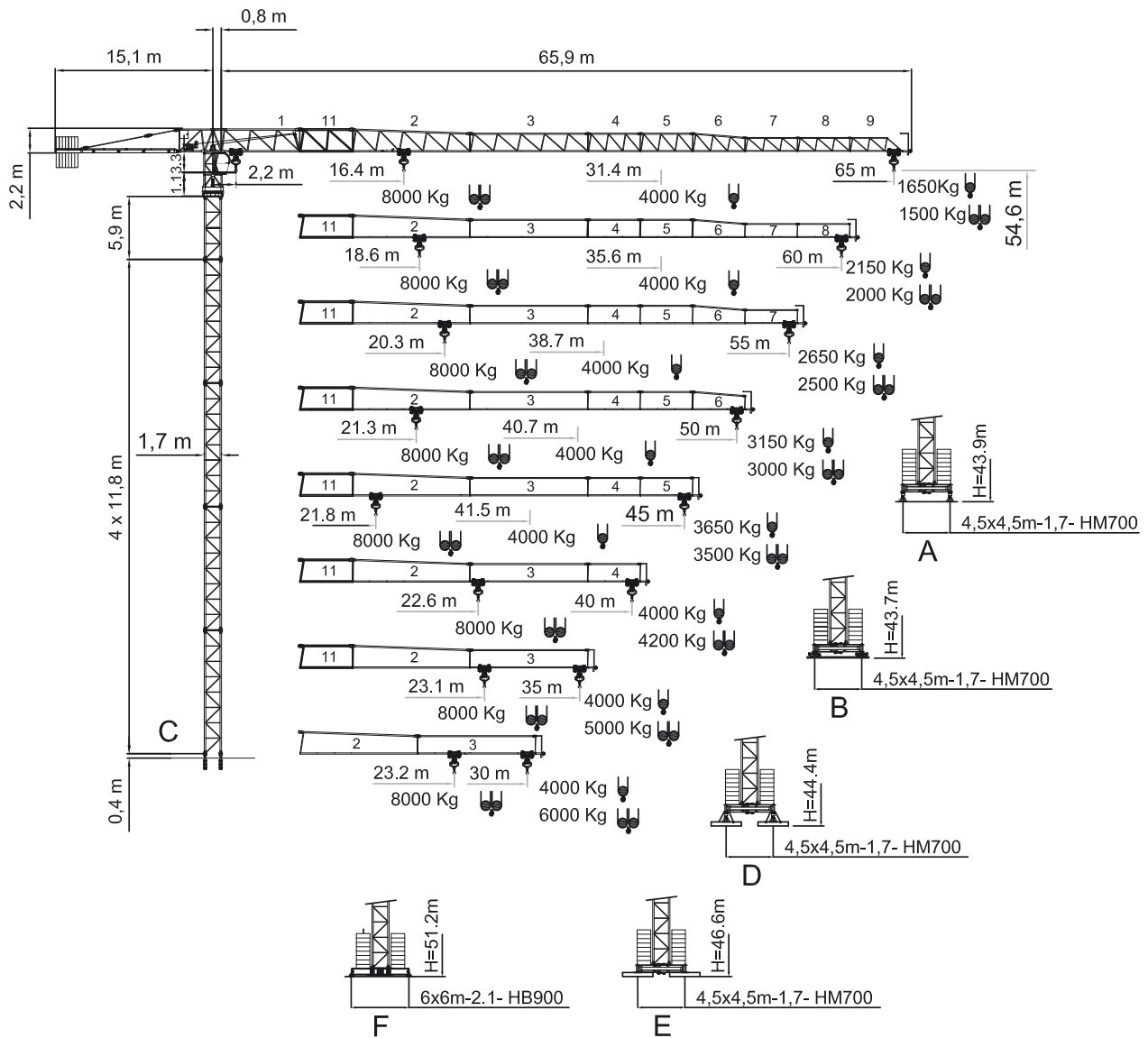
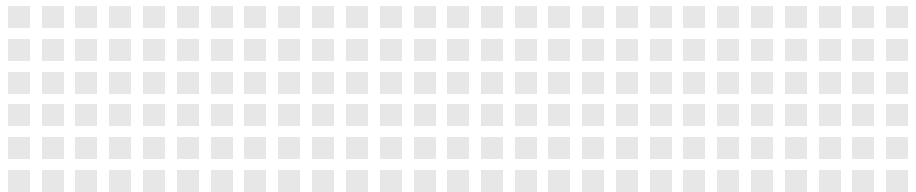


TLS 65 8T





Curvas de cargas- Load diagrams- Lastkurven- Courbes de charges- Curve di carico

65 m		10	15	20	25	30	31,45	35	40	45	50	55	60	65	m	
		4000	4000	4000	4000	4000	4000	3530	3020	2620	2300	2040	1830	1650	Kg	
		10	15	18	20	25	30	35	40	45	50	55	60	65	m	
		4000	4000	4000	4000	4000	4000	3330	2830	2440	2130	1880	1680	1500	Kg	
60 m		10	15	16,4	20	25	30	35	40	45	50	55	60	65	m	
		8000	8000	8000	6380	4930	4000	3330	2830	2440	2130	1880	1680	1500	Kg	
		10	15	20	25	30	35	35,6	40	45	50	55	60	65	m	
		4000	4000	4000	4000	4000	4000	4000	3500	3050	2690	2390	2150	2000	Kg	
55 m		10	15	20	25	30	34,2	35	40	45	50	55	60	65	m	
		4000	4000	4000	4000	4000	4000	3890	3320	2880	2520	2240	2000	2000	Kg	
		10	15	18,6	20	25	30	35	40	45	50	55	60	65	m	
		8000	8000	8000	7390	5730	4650	3890	3320	2880	2520	2240	2000	2000	Kg	
50 m		10	15	20	25	30	35	38,7	40	45	50	55	60	65	m	
		4000	4000	4000	4000	4000	4000	4000	3860	3360	2970	2650	2390	2150	Kg	
		10	15	20	25	30	35	37,3	40	45	50	55	60	65	m	
		4000	4000	4000	4000	4000	4000	4000	3680	3200	2810	2500	2240	2000	Kg	
45 m		10	15	20	20,3	25	30	35	40	45	50	55	60	65	m	
		8000	8000	8000	8000	6320	5140	4300	3680	3200	2810	2500	2240	2000	Kg	
		10	15	20	25	30	35	40	40,7	45	50	55	60	65	m	
		4000	4000	4000	4000	4000	4000	4000	4000	3560	3150	2810	2500	2240	Kg	
40 m		10	15	20	25	30	35	39,3	40	45	50	55	60	65	m	
		4000	4000	4000	4000	4000	4000	4000	3920	3410	3000	2650	2390	2150	Kg	
		10	15	20	21,3	25	30	35	40	45	50	55	60	65	m	
		8000	8000	8000	8000	6710	5450	4570	3920	3410	3000	2650	2390	2150	Kg	
35 m		10	15	20	25	30	35	41,5	45	50	55	60	65	65	m	
		4000	4000	4000	4000	4000	4000	4000	3650	3200	2810	2500	2240	2000	Kg	
		10	15	20	25	30	35	40	40,1	45	50	55	60	65	m	
		4000	4000	4000	4000	4000	4000	4000	4000	3500	3150	2810	2500	2240	Kg	
30 m		10	15	20	21,8	25	30	35	40	45	50	55	60	65	m	
		8000	8000	8000	8000	6880	5600	4690	4020	3500	3150	2810	2500	2240	Kg	
		10	15	20	25	30	35	40	40	45	50	55	60	65	m	
		4000	4000	4000	4000	4000	4000	4000	4000	3650	3200	2810	2500	2240	Kg	
25 m		10	15	20	22	25	30	35	40	45	50	55	60	65	m	
		4000	4000	4000	4000	4000	4000	4000	4000	3650	3200	2810	2500	2240	Kg	
		10	15	20	22,6	25	30	35	40	45	50	55	60	65	m	
		8000	8000	8000	8000	7170	5840	4900	4200	3700	3200	2810	2500	2240	Kg	
20 m		10	15	20	25	30	35	40	40	45	50	55	60	65	m	
		4000	4000	4000	4000	4000	4000	4000	4000	3650	3200	2810	2500	2240	Kg	
		10	15	20	22	25	30	35	40	45	50	55	60	65	m	
		4000	4000	4000	4000	4000	4000	4000	4000	3650	3200	2810	2500	2240	Kg	
15 m		10	15	20	23,1	25	30	35	40	45	50	55	60	65	m	
		8000	8000	8000	8000	7320	5960	5000	4200	3700	3200	2810	2500	2240	Kg	
		10	15	20	25	30	35	40	40	45	50	55	60	65	m	
		4000	4000	4000	4000	4000	4000	4000	4000	3650	3200	2810	2500	2240	Kg	
10 m		10	15	20	22	25	30	35	40	45	50	55	60	65	m	
		4000	4000	4000	4000	4000	4000	4000	4000	3650	3200	2810	2500	2240	Kg	
		10	15	20	23,2	25	30	35	40	45	50	55	60	65	m	
		8000	8000	8000	8000	7370	6000	5000	4200	3700	3200	2810	2500	2240	Kg	

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Mecanismos- Mechanisms- Antriebe- Mécanismes- Meccanismi

45 Hp (33Kw) - INV-5V
H.B.G 126Mts S/R Ø12
H.B.G LEBUS 320Mts S/R Ø12

		m/min	0-6.3	0-42	0-56	0-76.4	0-104	0-15	0-21	0-28	0-38	0-52
▲	350 m	Kg	4000	4000	3000	2000	1250	8000	8000	6000	4000	2500
▼	LEBUS 734 m	Kw	33	33	33	33	33	33	33	33	33	33

							
	m/min	11 / 37 / 75			11 / 37 / 75		
	Kw	3,0			3,0		
	r.p.m	0,3	0,6	0,9	0,3	0,6	0,9
	Nm	2 x 65			2 x 65		
	m/min	12 / 24			12 / 24		
	Kw	4 x 3			4 x 3		

* Opcional / Optional / Opzionale /

● Elevación / Hoisting / Heben / Levage / Sollevamento

■ Distribución / Trolleying / Katsfahren / Distribution / Distribuzione

● Orientación / Slewing / Schwenken / Orientation / Rotazione

■ Traslación / Travelling / Schienenfahren / Translation / Traslazione

■ Cable / Rope / Seil / Câble / Fune

2000/14/CEE 2005/68/CEE	2006/95 /CEE	400 V 50 Hz	100m 4x35mm ²	GENERADOR 300 kVA	POTENCIA INSTALADA 60 KW
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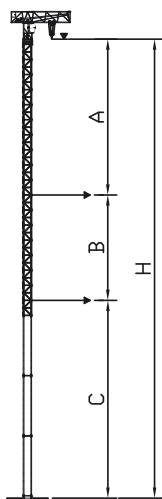
2000/14/CEE 2005/68/CEE	2006/95 /CEE	380 V 60 Hz	100m 4x35mm ²	OPCIONAL	
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Bloque de contrapeso- Counterweight blocks- Gegengewichtsblöcke- Bloc de contrepoid- Blocco di contrappeso

	65 m			60 m			55 m			50 m		
■	A	B	C	A	B	C	A	B	C	A	B	C
■	8	-	-	8	-	-	7	1	-	6	2	-
	20000 Kg			20000 Kg			19000 Kg			18000 Kg		

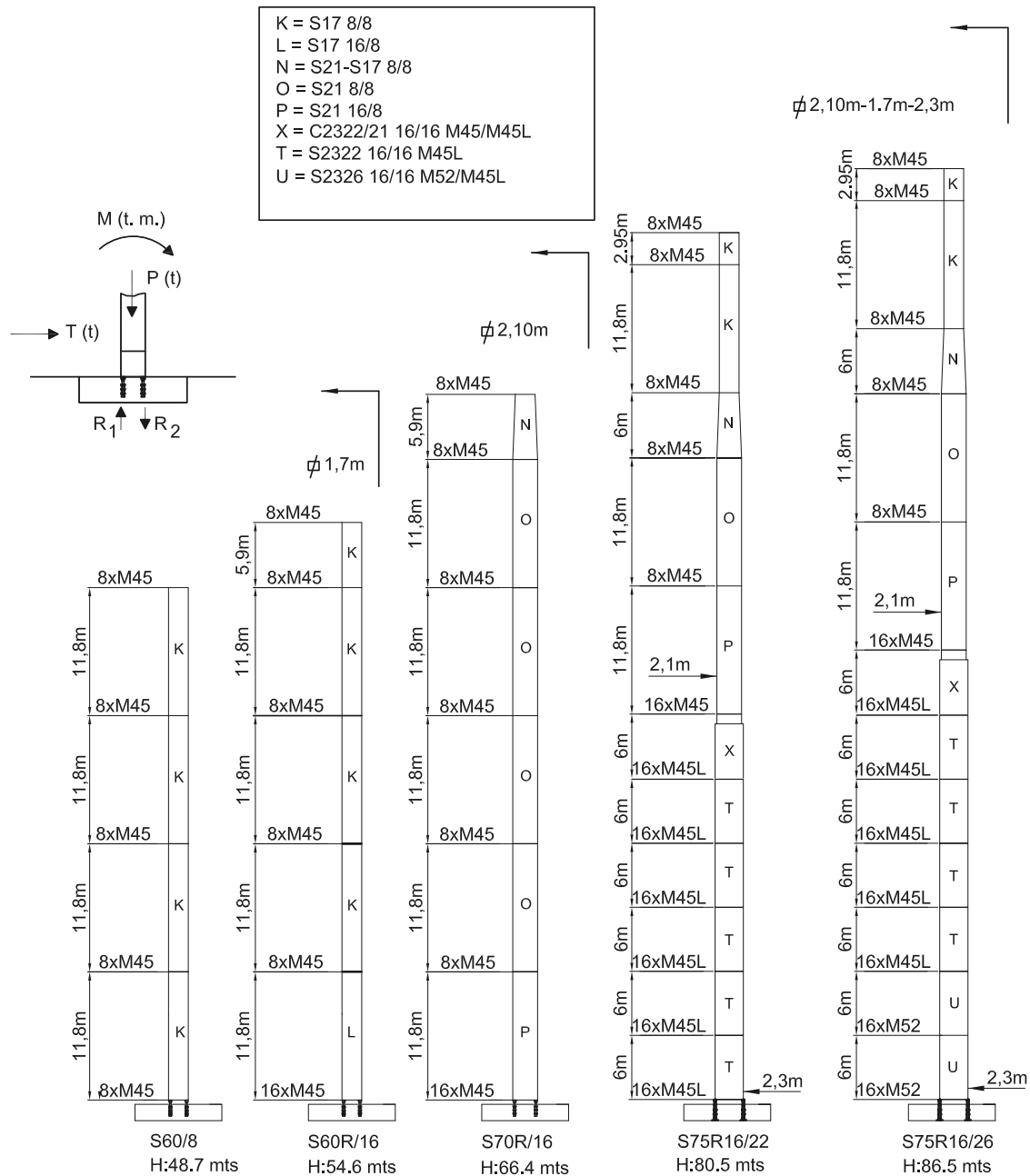
	45 m			40 m			35 m			30 m		
■	A	B	C	A	B	C	A	B	C	A	B	C
■	6	1	-	6	-	-	4	2	-	3	2	-
	16500 Kg			15000 Kg			13000 Kg			10500 Kg		

Proceso de trepado- External climbing- Kletterkrane- Telescopable- Sopralzo idraulico



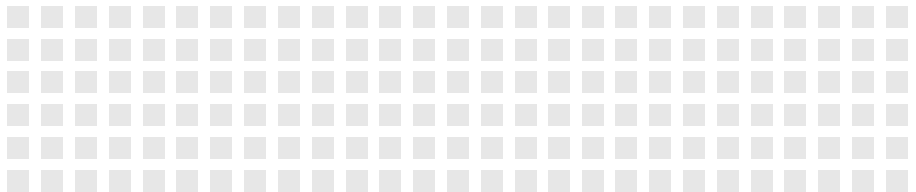
	S17-8/8 MTS
A max.	30
B max.	20.7
C max.	48
H max.	①

FEM 1005-C25 / EN 14439- Mástil / Reacciones- Masts / Reactions- Maste / Eckdrücke-
Mat / Réactions- Torre / Réazioni



H (m)	25,1	31	36,9	42,8	48,7	51,7	54,6
M (T-m)	232,4	281,3	352	419,6	518,3	564,5	615,2
T (t)	6,2	7,4	8,8	9,7	11,2	11,6	12,3
P (t)	45,3	51,4	53,5	55,6	57,7	58,9	62,8
R ₁ (t)	98,2	119,7	152,5	184	223	251,3	274,2
R ₂ (t)	-120,8	-145,4	-179,2	-211,7	-258,7	-280,8	-305,7

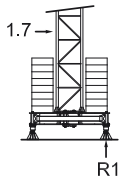
H (m)	86,5	80,5	74,5	66,4	63,5	60,5	57,6
M (T-m)	1387,6	1180	970,2	764,2	708,9	657,6	611,2
T (t)	27,6	24,6	22	17,5	17	16,4	15,8
P (t)	102,7	94	89,4	85,5	83,9	82,6	81,4
R ₁ (t)	453	383,6	312,3	258,2	238,6	221,3	204,5
R ₂ (t)	-504,3	-430,7	-350	-296	-275,5	-256,5	-238,7



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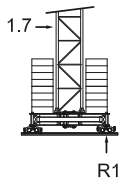
FEM 1005-C25 / EN 14439- Bloque lastre de base- Base ballast block- Grundballastblöcke - Bloc de lest de base- Blocco di zavorra alla base

(A)



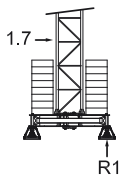
	H (m)	20,3 m	23,3 m	26,2 m	29,2 m	32,1 m	35,1 m	38 m	41 m	43,9 m
	R1 (t)	73,6 t	74,4 t	75,6 t	78,8 t	80 t	81,3 t	82,4 t	86,7 t	103 t
4,5 x 4,5 m-1,7- HM 700	Z (t)	83,6 t	83,6 t	83,6 t	91,2 t	91,2 t	91,2 t	91,2 t	106,4 t	106,4t

(B)



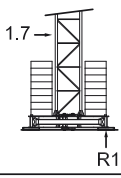
	H (m)	20,1 m	23,1 m	26 m	29 m	31,9 m	34,9 m	37,8 m	40,8 m	43,7 m
	R1 (t)	73,6 t	74,4 t	75,6 t	78,8 t	80 t	81,3 t	82,4 t	86,7 t	103 t
4,5 x 4,5 m-1,7- HM 700	Z (t)	83,6 t	83,6 t	83,6 t	91,2 t	91,2 t	91,2 t	91,2 t	106,4 t	106,4t

(D)



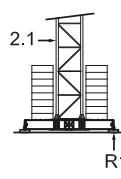
	H (m)	20,8 m	23,8 m	26,7 m	29,7 m	32,6 m	35,6 m	38,5 m	41,5 m	44,4 m
	R1 (t)	73,6 t	74,4 t	75,6 t	78,8 t	80 t	81,3 t	82,4 t	86,7 t	103 t
4,5 x 4,5 m-1,7- HM 700	Z (t)	83,6 t	83,6 t	83,6 t	91,2 t	91,2 t	91,2 t	91,2 t	106,4 t	106,4t

(E)

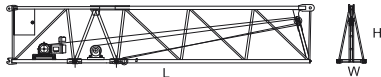
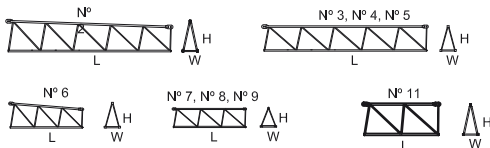
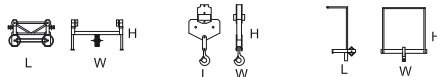
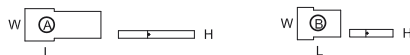
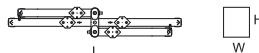
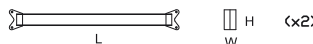
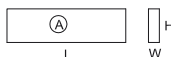


	H (m)	20 m	23 m	25,9 m	28,9 m	31,8 m	34,8 m	37,7 m	40,7 m	43,6 m
	R1 (t)	73,6 t	74,4 t	75,6 t	78,8 t	80 t	81,3 t	82,4 t	86,7 t	103 t
4,5 x 4,5 m-1,7- HM 700	Z (t)	83,6 t	83,6 t	83,6 t	91,2 t	91,2 t	91,2 t	91,2 t	106,4 t	106,4t
	H (m)	46,6 m								
	R1 (t)	125 t								
	Z (t)	121,6 t								

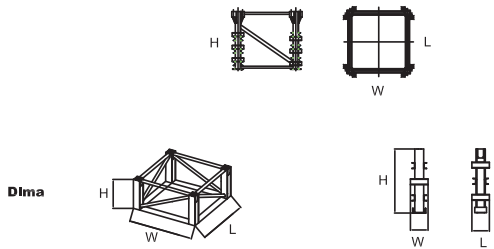
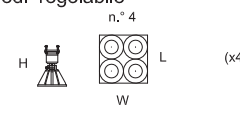
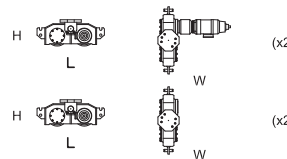
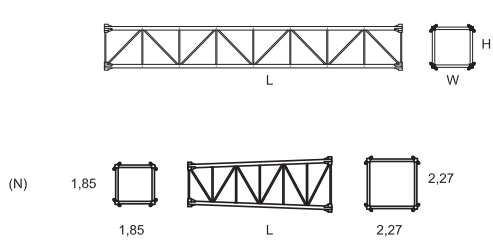
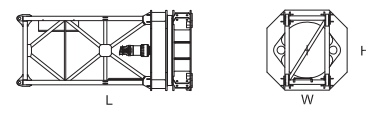
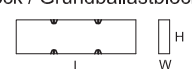
(F)

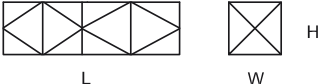
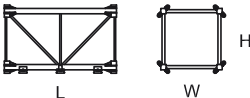


	H (m)	18,8 m	24,7 m	30,6 m	36,5 m	42,4 m	48,3 m	51,2 m		
	R1 (t)	44 t	46,1 t	52 t	59,8 t	77,7 t	104 t	115,8 t		
6 x 6 m-2,1/1,7- HB 900	Z (t)	45,6 t	45,6 t	45,6 t	60,5 t	68,4 t	91,2 t	98,8 t		

	L(m)	W(m)	H(m)	Peso(Kg)	
Pluma tramo primero / Jib heel section / Ausleger-Anlenkstück / Pied de fleche / Settore articolato di braccio	11.9	1.25	2.3	5800	
					
Elemento Intermedio de pluma / Intermediate jib section / Ausleger-Zwischenstück Elément interm. de fleche / Spezzone di braccio	2 3 4 5 6 7 8 9 11	11.6 11.6 5.3 5.3 5.3 5.3 5.3 5.15 5.15	1.13 1.13 1.13 1.13 1.13 1.13 1.13 1.13 1.13	2.25 1.8 1.8 1.8 1.8 1.45 1.45 1.4 2.25	2194 1720 620 530 470 376 326 248 1280
					
Gancho, Carro y Puntera / Hook, Trolley and jib head / Lasthaken - Laufkatze-Cabeça de Lança Crochet - Chariot-Pointe de fleche / Gancio - Carrello e Punta freccia	1.2 0.8 0.8	1.35 0.15 1.2	0.8 1.5 1.4	290 330 108	
					
Contrapluma / Counter-jib / Gegenausleger / Contre-fleche / Controbraccio	11.94	1.8	0.6	2575	
					
Bloque de contrapeso / Counterweight blocks / Gegengewichtsböcke / Bloc de contrepoids / Blocco di contrappeso	3.2 1.83	1.25 1.25	0.29 0.29	2500 1500	
					
Base Cruciforme 4,5 X4,5 / Crossbase 4,5 X 4,5 / Fundamentkreuz 4,5 X 4,5 / Châsis 4,5 X 4,5 / Carro base 4,5 X 4,5	6.7	1.1	1.2	5750	
					
Vigas auxil. de base / Half base beams / Halbträger für fundamentkreuz / Semipoutre de châsis de base / Travi di congiunzi di congiunzione	4.4	0.3	0.55	220	
					
Bloque lastre de base / Base ballast block / Grundballastblöcke / Bloc de lest de base Blocco di zavorra alla base	440	0.3	1.2	3800	
					

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	L(m)	W(m)	H(m)	Peso(Kg)	
Elemento de empotre / Foundation anchor / Fundamentanker / Pieds de scellement El annegare 	S60/8	1,85	1,85	1,6	956
	S60/R16	1,85	1,85	1,6	1108
	S70/8	2,27	2,27	1,6	1122
	S70R/16	2,27	2,27	1,6	1274
	S75R16/20 0.35	0.35	1,6		1200
	S75R16/22 0.5	0.5	2		2840
	S75R16/26 0.5	0.5	2.4		3160
	S75R24/26 0.5	0.5	2.4		3400
	Dima	2.31	2.34	0.8	1650
	Niveladores / Levellers / Spindel pyramide / Niveleurs / Piedi regolabile 		1,20	1,20	0,90
Traslacion / Travelling bogies / Kranfahren / Traslation / Traslazione 		1,15	1,25	0,45	505
		1,15	0,25	0,45	450
Elemento de torre / Tower section / Turmstück / Élément de mât / Elemento di torre 	K	11,8	1,85	1,85	4600
	K	5,9	1,85	1,85	2472
	K	3	1,85	1,85	1425
	L	11,8	1,85	1,85	5520
	O	11,8	2,27	2,27	5044
	O	5,9	2,27	2,27	2640
	O	3	2,27	2,27	1545
	P	11,8	2,27	2,27	5700
	N	5,9			3500
	X	6	2,27	2,29	4000
	T	6	2,27	2,29	4300
	U	6	2,31	2,34	5910
	Z	6	2,61	2,34	5980
	Unidad de rotacion / Complete slewing unit / Drehbühne / Partie tournante / Unità di rotazione 		4,40	2,00	2,00
Bloque apoyo de base / Base support block / Grundballastblöcke / Bloc de appui de base Blocco di appoggio alla base 		3,75	0,5	1,2	5400

	L(m)	W(m)	H(m)	Peso(Kg)
Cabina y soporte / Cabin and platform / Kabine und wartungs / Cabine et support / Cabina e supporto 	3,00	1,15	2,35	558
Viga principal base 6x6 / Main base beam / Hauptträger für fundamentkreuz Poutre de châssis de base / Trave principale della base 	8,65	0,78	0,92	4300
Semiviga secundaria base 6x6 / Half base beam / Halbträger für fundamentkreuz Semipoutre de châssis de base / Semitrave secundaria della base 	4,27	0,68	0,97	2025
Jaula de telescopaje tipo K / Climbing cage type K / Hydraulikbühne Cage de telescopage type K / Gabbia di montaggio K 	7,35	2,1	2,1	6400
Tramo trepador / Tower element / Turmstück Élément de mât / Elemento di torre monolitico 	3	1,85	1,85	1425

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