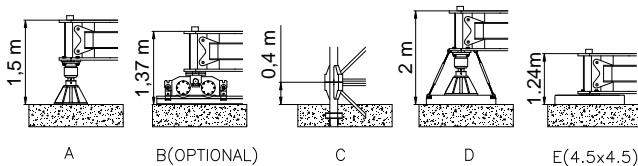
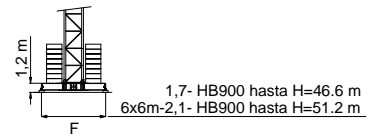
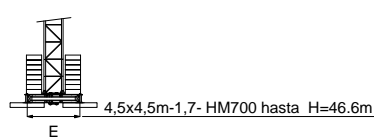
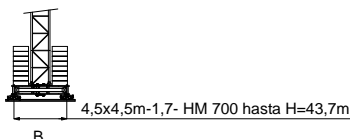
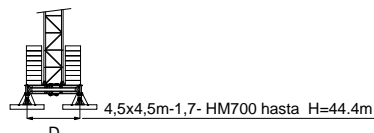
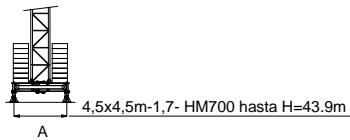
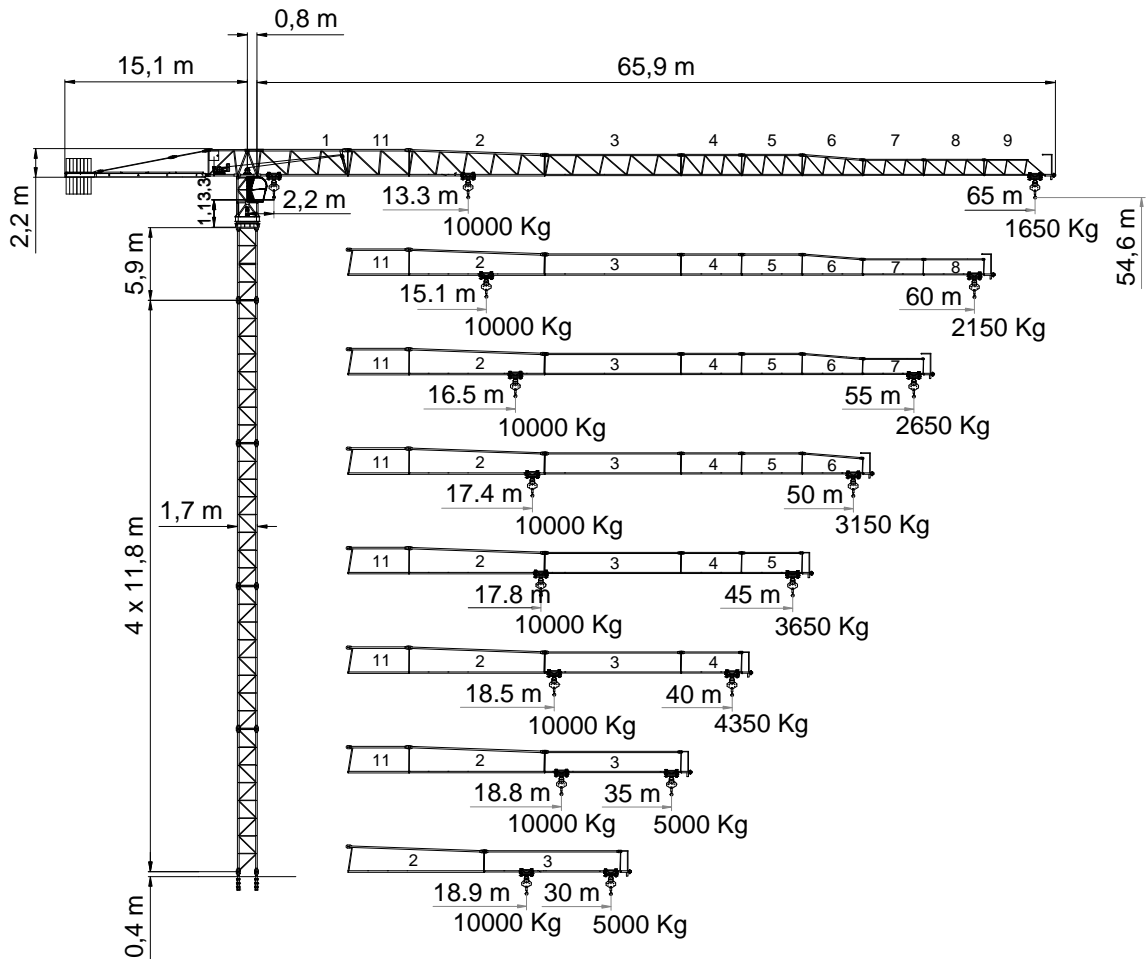




















TLS 65 10T



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

65 m 	10	15	20	25	25.4	30	35	40	45	50	55	60	65	m	
	5000	5000	5000	5000	5000	4155	3483	2983	2595	2287	2035	1826	1650	Kg	
	10	13.3	15	20	25	30	35	40	45	50	55	60	65	m	
60 m 	10000	10000	8788	6351	4921	3981	3315	2820	2436	2131	1882	1674	1500	Kg	
	10	15	20	25	28.9	30	35	40	45	50	55	60	m		
	5000	5000	5000	5000	5000	4811	4043	3471	3029	2676	2389	2150	Kg		
55 m 	10	15	15.1	20	25	30	35	40	45	50	55	60	m		
	10000	10000	10000	7354	5717	4640	3878	3311	2872	2522	2237	2000	Kg		
	5000	5000	5000	5000	5000	5000	4457	3832	3349	2964	2650	Kg			
50 m 	10	15	16.5	20	25	30	35	40	45	50	55	m			
	10000	10000	10000	8096	6305	5128	4295	3674	3194	2812	2500	Kg			
	5000	5000	5000	5000	5000	5000	5000	4724	4066	3556	3150	Kg			
45 m 	10	15	17.4	20	25	30	35	40	45	50	m				
	10000	10000	10000	8578	6688	5445	4566	3910	3404	3000	Kg				
	5000	5000	5000	5000	5000	5000	5000	4846	4171	3650	Kg				
40 m 	10	15	17.8	20	25	30	35	40	45	m					
	10000	10000	10000	8799	6863	5590	4690	4019	3500	Kg					
	5000	5000	5000	5000	5000	5000	5000	5000	4846	4171		3650	Kg		
35 m 	10	15	18.5	20	25	30	35	40	m						
	10000	10000	10000	9169	7156	5833	4897	4200	Kg						
	5000	5000	5000	5000	5000	5000	5000	5000	5000		4350	Kg			
30 m 	10	15	18.8	20	25	30	35	m							
	10000	10000	10000	9351	7302	5953	5000	Kg							
	5000	5000	5000	5000	5000	5000	5000	5000		5000	4350	Kg			
30 m 	10	15	18.9	20	25	30	m								
	10000	10000	10000	9422	7357	6000	Kg								
	5000	5000	5000	5000	5000	5000	5000		5000	5000	4350	Kg			

Mecanismos
Mechanisms
Antriebe
Mécanismes
Meccanismi

57 Hp (42Kw) - INV-5V
H.B.G 170Mts S/R Ø13

▲ ▼											
	m/min	0--6.3	0--40	0--46	0--71	0--103	0--3.1	0--20	0--23	0--35.5	0--51.5
	Kg	5000	5000	3500	2000	1250	10000	10000	7000	4000	2500
	Kw	42	42	42	42	42	42	42	42	42	

◀ ▶	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 / Katzfahren / Distribution / Distributions
- Orientación / Slewing / Schwenken / Orientation / Rotazione
- Traslacion / Travelling / Schienenfahren / Translation / Traslazione
- Cable / Rope / Seil / Câble / Fune

		400 V 50 Hz	100m 4x35mm ²
2000/14/CEE 2005/88/CEE	2006/95 /CEE		

GENERADOR	POTENCIA INSTALADA
350 kVA	69 KW

		380 V 60 Hz	100m 4x35mm ²
2000/14/CEE 2005/88/CEE	2006/95 /CEE		

OPCIONAL

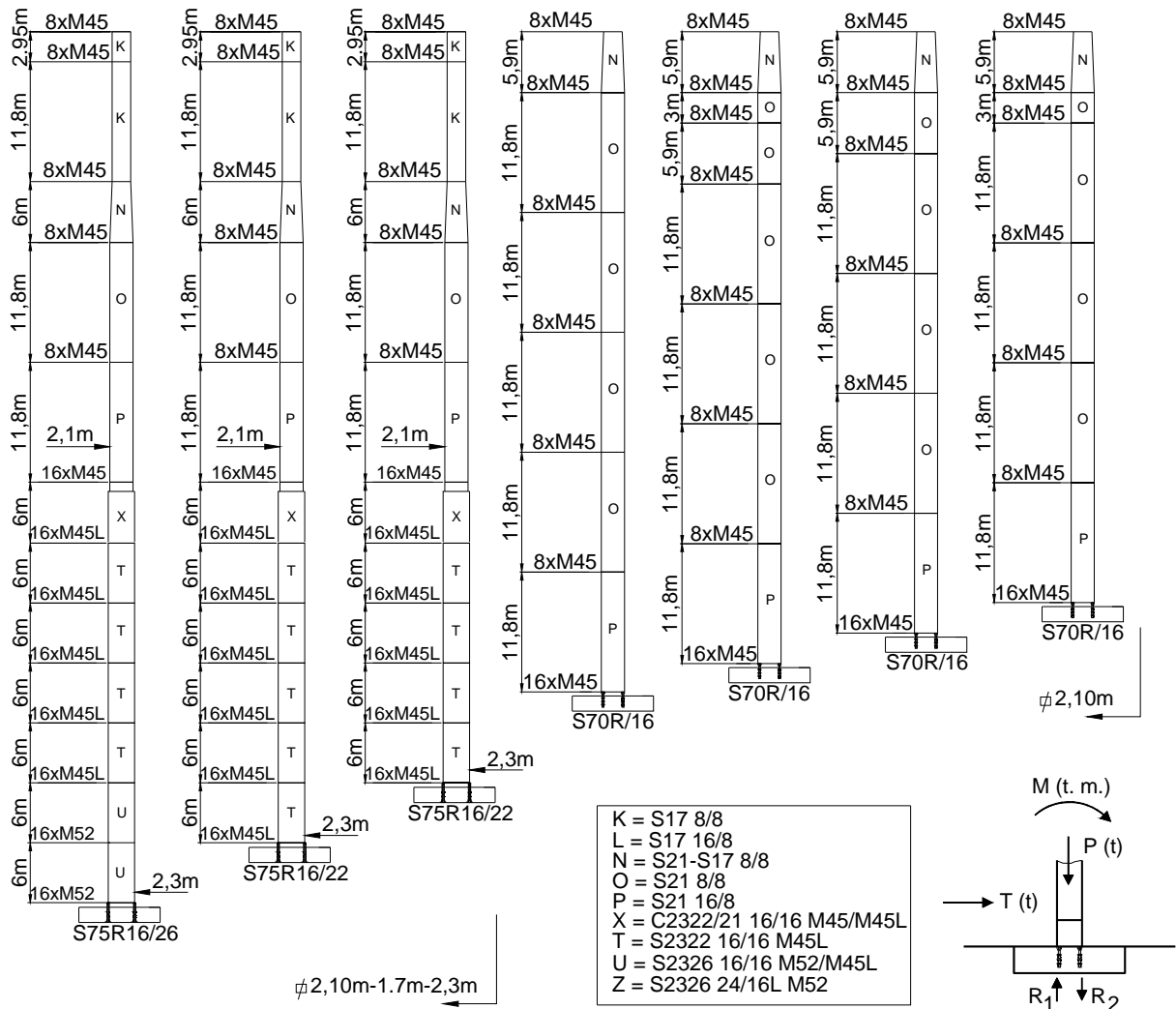
Bloque de contrapeso
Counterweight blocks
Gegengewichtsblöcke
Bloc de contrepoid
Blocco di contrappeso

	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		

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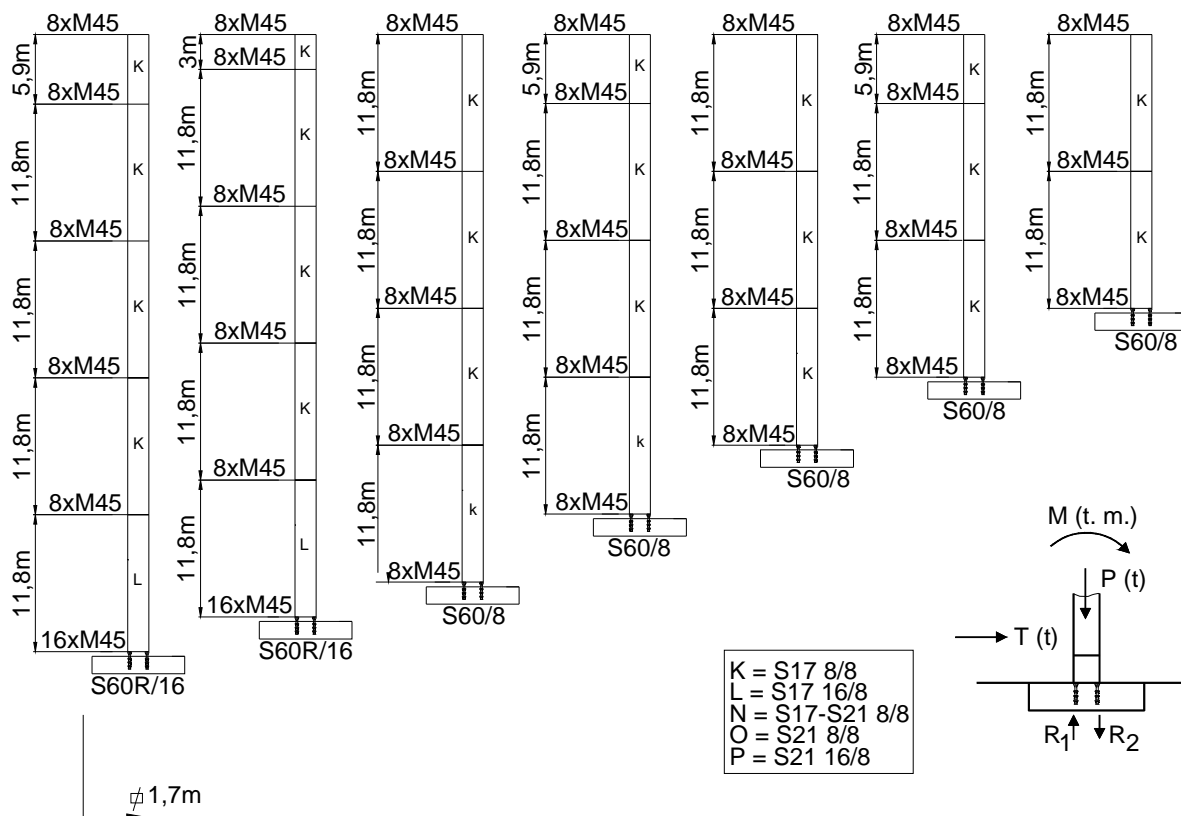
Mástil / Reacciones
 Masts / Reactions
 Maste / Eckdrücke
 Mat / Réactions
 Torre / Réazioni



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

FEM 1005-C25 / EN 14439

Mástil / Reacciones
 Masts / Reactions
 Maste / Eckdrücke
 Mat / Réactions
 Torre / Réazioni



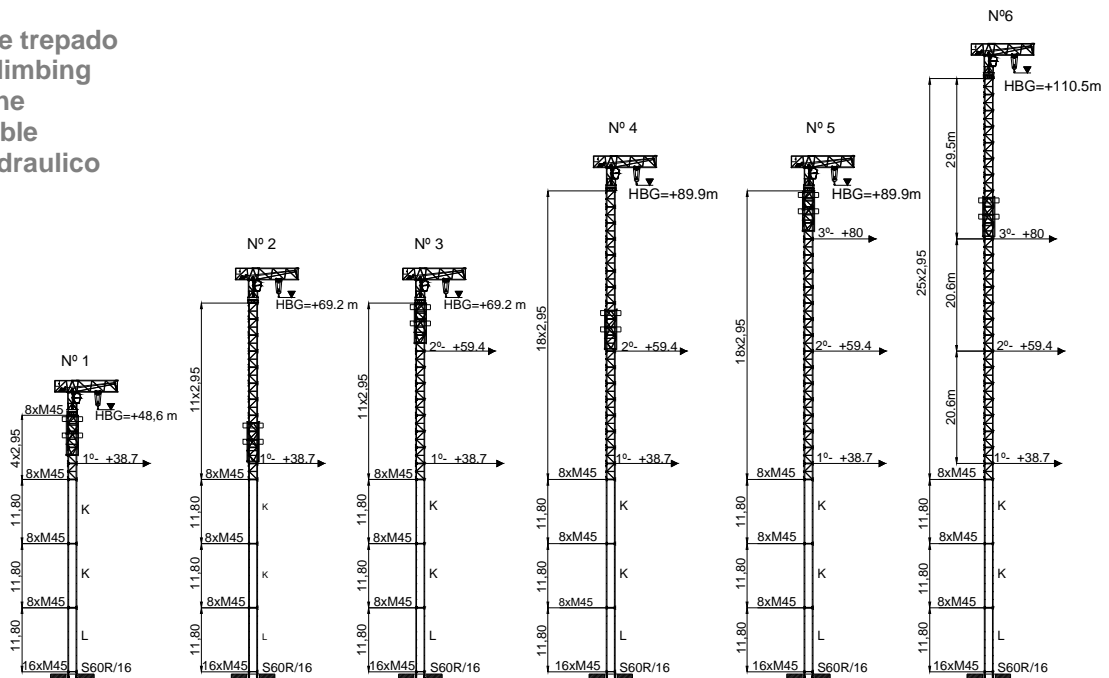
H (m)	54,6	51,7	48,7	42,8	36,9	31	25,1
M (T.m)	615.2	564.5	518.3	419.6	352	281.3	232.4
T (t)	12.3	11.6	11.2	9.7	8.8	7.4	6.2
P (t)	62.8	58.9	57.7	55.6	53.5	51.4	45.3
R ₁ (t)	274.2	251.3	223	184	152.5	119.7	98.2
R ₂ (t)	-305.7	-280.8	-258.7	-211.7	-179.2	-145.4	-120.8

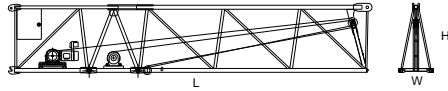
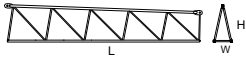
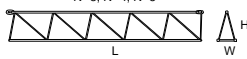
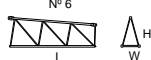
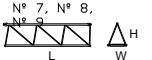
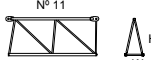
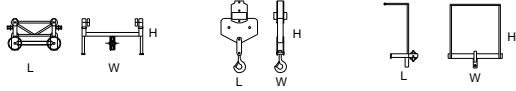
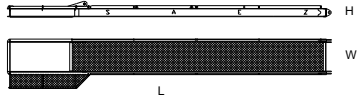
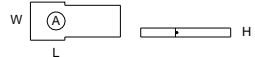
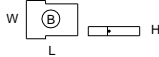
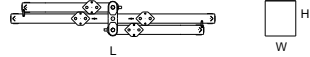
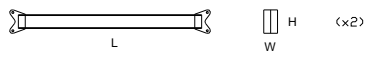
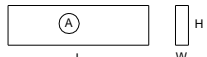

FEM 1005-C25 / EN 14439

Bloque lastre de base
Base ballast block
Grundballastblöcke
Bloc de lest de base
Blocco di zavorra alla base

(A)		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	
		H (m)	20,3 m	23,3 m	26,2 m	29,2 m	31,9 m	34,9 m	37,8 m	40,8 m	43,7 m	
		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	106,4 t	
(B)		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	
		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	
		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	106,4 t	
(D)		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	
		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	
		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	106,4 t	
(E)		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	125 t
		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	46,6 m
		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	106,4 t	121,6 t
(F)		R1 (t)	44 t	46,1 t	52 t	59,8 t	77,7 t	104 t	115,8 t			
		H (m)	18,8 m	24,7 m	30,6 m	36,5 m	42,4 m	48,3 m	51,2 m			
		Z (t)	45,6 t	45,6 t	45,6 t	60,5 t	68,4 t	91,2 t	98,8 t			
(B)		R1 (t)	44 t	46,1 t	52 t	59,8 t	77,7 t	104 t				
		H (m)	18,8 m	24,7 m	30,6 m	36,5 m	42,4 m	48,3 m				
		Z (t)	45,6 t	45,6 t	45,6 t	60,5 t	68,4 t	91,2 t				

Proceso de trepado
External climbing
Kletterkrane
Telescopable
Sopralzo idraulico



	L(m)	W(m)	H(m)	Peso(Kg)	
<p>Pluma tramo primero / Jib heel section / Ausleger-Anlenkstück / Pied de fleche / Settore articolato di braccio</p> 	11,90	1,25	2,30	5800	
<p>Elemento intermedio de pluma / Intermediate jib section / Ausleger-Zwischenstück / Élément interm. de fleche / Spezzone di braccio</p> <p>Nº 2</p>  <p>Nº 3, Nº 4, Nº 5</p>  <p>Nº 6</p>  <p>Nº 7, Nº 8,</p>  <p>Nº 11</p> 	2 3 4 5 6 7 8 9 11	11,60 11,60 5,30 5,30 5,30 5,30 5,30 5,15 5,15	1,13 1,13 1,13 1,13 1,13 1,13 1,13 1,13 1,13	2,25 1,80 1,80 1,80 1,80 1,45 1,45 1,40 2,25	2194 1720 620 530 470 376 326 248 1280
<p>Gancho, Carro y Puntera / Hook, Trolley and jib head / Lasthaken - Laufkatze-Cabeça de Lança / Crochet - Chariot-Pointe de fleche / Gancio - Carrello e Punta freccia</p> 	1,20 0,80 0,80	1,35 0,15 1,20	0,80 1,50 1,40	290 330 108	
<p>Contrapluma / Counter-jib / Gegenausleger / Contre-fleche / Controbraccio</p> 	11,94	1,80	0,60	2575	
<p>Bloque de contrapeso / Counterweight blocks / Gegengewichtsblöcke / Bloc de contrepoids / Blocco di contrappeso</p> <p>(A)</p>  <p>(B)</p> 	3,20 1,83	1,25 1,25	0,29 0,29	2500 1500	
<p>Base Cruciforme 4,5 X 4,5 / 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</p> 	6,70	1,10	1,20	5750	
<p>Vigas auxil. de base / Half base beams / Halbträger für fundamentkreuz / Semipoutre de châsis de base / Travi di congiunzi di congiunzione</p> 	4,40	0,30	0,55	220	
<p>Bloque lastre de base / Base ballast block / Grundballastblöcke / Bloc de lest de base / Blocco di zavorra alla base</p> <p>(A)</p> 	4,40	0,30	1,20	3800	
<p>Bloque apoyo de base / Base support block / Grundballastblöcke / Bloc de appui de base / Blocco di appoggio alla base</p> 	3,75	0,5	1,2	5400	

	L(m)	W(m)	H(m)	Peso(Kg)		
Elemento de empotre / Foundation anchor / Fundamentanker / Élément de scellement El anegare		S60/8 S60R/16 S70/8 S70R/16 S75R16/20 S75R16/22 S75R16/26 S75R24/26 Dima	1,85 1,85 2,27 2,27 0,35 0,5 0,5 0,5 2,31	1,85 1,85 2,27 2,27 0,35 0,5 0,5 0,5 2,34	1,6 1,6 1,6 1,6 1,6 2 2,4 2,4 0,8	956 1108 1122 1274 1200 2840 3160 3400 1650
Niveladores / Levelers / Spindel pyramide / Niveleurs / Piedi regolabile		n.º 4	1,20	1,20	0,90	250
Traslacion / Travelling bogies / Kranfahren / Traslation / Traslazione		(x4)	1,15	1,25	0,45	505
		(x2)	1,15	0,25	0,45	450
Elemento de torre TL16 / Tower section TL16 / Turmstück TL16 / Element de mât TL16 / Elemento di torre TL16		K K K L O O O P N X T U Z	11,8 5,9 3 11,8 11,8 5,9 3 11,8 5,9 6 6 6 6	1,85 1,85 1,85 1,85 2,27 2,27 2,27 2,27 2,27 2,29 2,29 2,34 2,34	1,85 1,85 1,85 1,85 2,27 2,27 2,27 2,27 2,27 2,29 2,29 2,34 2,34	4600 2472 1425 5520 5044 2640 1545 5700 3500 4000 4300 5910 5980
Unidad de rotacion / Complete slewing unit / Drehbühne / Orientation / Rotazione			4,40	2,00	2,00	6600
Cabina y soporte / Cabin and support / 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		(x2)	4,27	0,68	0,97	2025
Caja de trepado-S17 / Climbing cage / Hydraulikbühne Cage de montage / Gabbia di montaggio			7,35	2,1	2,1	6400
Tramo trepador / Tower element / Turmstück Element de mature / Elemento di torre monolitico			3	1,85	1,85	1425

DECLINAMOS TODA RESPONSABILIDAD DERIVADA DE LA INFORMACION PROPORCIONADA.

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Sämtliche Angaben erfolgen ohne Gewähr.

Ces renseignements sont sans garantie.

Le indicazioni contenute si intendono salvo errori ed omissioni.

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Specifications subject to modification without notice.

Obiges kann ohne berstaendigung geaendert werden.

Specifications susceptibles de modification sans avis préalable.

Specifiche suscettibili di variazioni senza preavviso.