





















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

60 m		10	15	20	25	30	35	38.5	40	45	50	55	60	m	
		2500	2500	2500	2500	2500	2500	2500	2407	2069	1800	1582	1400	Kg	
		10	15	20	21	25	30	35	40	45	50	55	60	m	
55 m		5000	5000	5000	5000	4194	3337	2732	2283	1937	1661	1436	1250	Kg	
		10	15	20	25	30	35	40	44.3	45	50	55	m		
		2500	2500	2500	2500	2500	2500	2500	2500	2460	2151	1900	Kg		
50 m		10	15	20	24.1	25	30	35	40	45	50	55	m		
		5000	5000	5000	5000	4901	3921	3231	2718	2322	2007	1750	Kg		
		10	15	20	25	30	35	40	44.4	45	50	m			
45 m		2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	Kg			
		10	15	20	25	28	30	35	40	45	50	m			
		5000	5000	5000	5000	5000	4671	3870	3275	2816	2450	Kg			
40 m		10	15	20	25	30	35	40	m						
		2500	2500	2500	2500	2500	2500	2500	Kg						
		10	15	20	25	30	31.4	35	40		45	m			
35 m		5000	5000	5000	5000	5000	5000	4433	3765	3250	Kg				
		10	15	20	25	30	35	40	m						
		2500	2500	2500	2500	2500	2500	Kg							
30 m		10	15	20	25	30	30.8	35	40	m					
		5000	5000	5000	5000	5000	5000	4645	3950	Kg					
		10	15	20	25	30	35	m							
		2500	2500	2500	2500	2500	Kg								
		10	15	20	25	30	m								
		5000	5000	5000	5000	Kg									

Bloque de contrapeso- Counterweight blocks- Gegengewichtsblöcke- Bloc de
contrepoid- Blocco di contrappeso - Плиты противовеса

	60 m			55 m			50 m			45 m		
	A	B	C	A	B	C	A	B	C	A	B	C
	7	1	-	6	2	-	5	3	-	6	1	-
	19000 Kg			18000 Kg			17000 Kg			16500 Kg		

	40 m			35 m			30 m		
	A	B	C	A	B	C	A	B	C
	4	3	-	3	3	-	2	3	-
	14500 Kg			12000 Kg			9500 Kg		

Mecanismos - Mechanisms - Antriebe - Mécanismes - Meccanismi - Приводы

25 Hp (19Kw) -3V
400 V / 50 Hz
H.B.G 84Mts S/R Ø10

		m/min	7.5	35	68	3.7	17.5	34
		Kg	2500	2500	1500	5000	5000	3000
		Kw	19	19	19	19	19	19

	m/min	11 / 37 / 75		
	Kw	3,0		
	r.p.m	0,3	0,6	0,9
	Nm	2 x 65		
	r.p.m	0,3	0,6	0,9
	Kw	2 x 5.5		
	m/min	12 / 24		
	Kw	4 x 3		

* 25 Hp (19Kw) - INV-3V
400 V / 50-60 Hz
H.B.G 96Mts S/R Ø10

		m/min	0-9	0-37	0-80	0-4.5	0-18.5	0-40
		Kg	2500	2500	1500	5000	5000	3000
		Kw	19	19	19	19	19	19

		400 V	100m	GENERADOR	POTENCIA
		50 Hz	4x25mm ²	90 kVA	INSTALADA
		2006/95 /CEE			46 KW

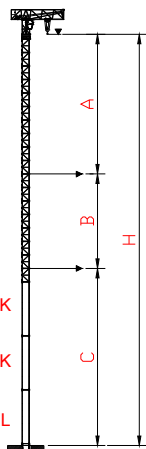
* Opcional / Optional / Opzionale /

- Elevación / Hoisting / Heben / Levage / Sollevamento
- Distribución / Trolleying / Katzfahren / Distribution / Diritubione
- Orientación / Slewing / Schwenken / Orientation / Rotazione
- Traslacion / Travelling / Schienefahren / Translation / Traslazione
- Cable / Rope / Seil / Câble / Fune

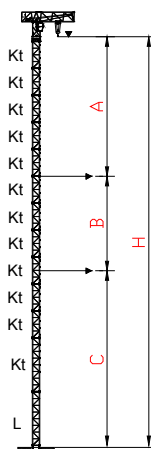
		380 V	100m	OPCIONAL
		60 Hz	4x25mm ²	
		2006/95 /CEE		

Proceso de trepado - Climbing - Kletterkrane - Telescopable - Sopralzo idraulico - Процесс наращивания крана

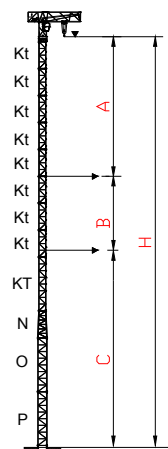
C25 TREPADO EXTERNO / EXTERNAL CLIMBING / GEANKERTER KRAN /
GRUE ANDRÉE / GRU ANCORATA /



	MONOBLOCK K/2.95m
	MTS
A max.	30.6
B max.	20.6
C max.	44.5
Hi max.	52.3
H max.	
C+B+A	95.7
H max.	
C+B+B+A	116.3 / (i)



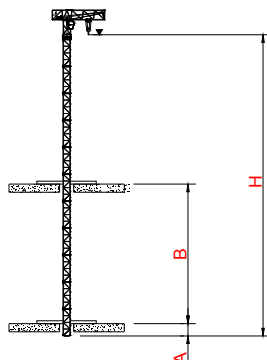
PAGINA 4	MONOBLOCK K/5.9m
(*)1	MTS
A max.	30.6
B max.	17.7
C max.	40.1
Hi max.	52.3
H max.	
C+B+A	88.4
H max.	
C+B+B+A	106.1 / (i)



PAGINA 4	MONOBLOCK K/5.9m
(*)2	MTS
A max.	30.6
B max.	17.7
C max.	52
Hi max.	64.1
H max.	
C+B+A	100.3
H max.	
C+B+B+A	118 / (i)

(i) Consultarnos-Consultateci-Consult us-Nous consulter-Auf anfrage

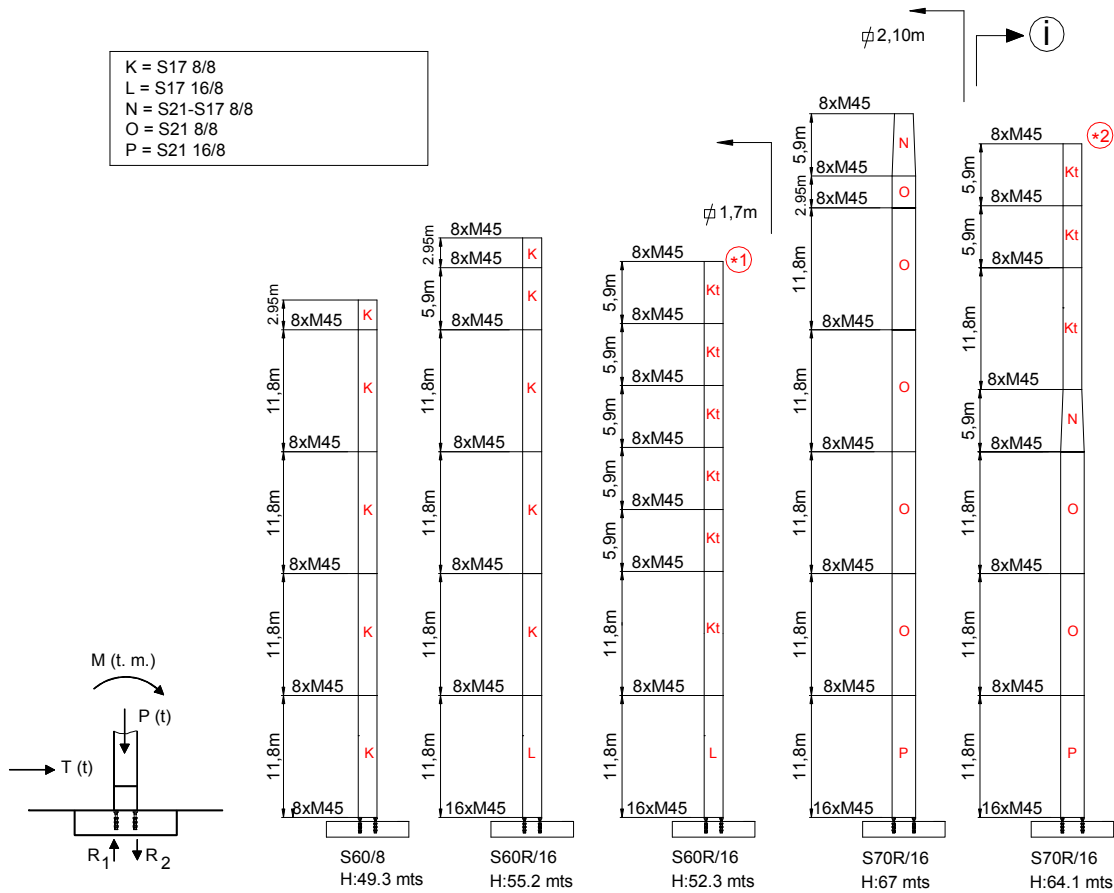
TREPADO INTERNO / BOTTOM CLIMBING CRANE / KLETTERKRANE IM GEBÄUDE / TÉLESCOPAGE SUR DALLES / GRU CLIMBING /



(i) Consultarnos-Consultateci-Consult us-Nous consulter-Auf anfrage

FEM 1005-C25-C50-D50 / EN 14439 - Mástil / Masts / Maste / Mat / Torre / Torre / Комплектация башни

K = S17 8/8
L = S17 16/8
N = S21-S17 8/8
O = S21 8/8
P = S21 16/8



C25	H (m)	22.8	28.7	37.5	43.4	49.3	52.3	55.2	64	67
	M (T-m)	232.4	281.3	352	419.6	518.3	564.5	615.2	708.9	764.2
	T (t)	6.2	7.4	8.8	9.7	11.2	11.6	12.3	17	17.5
	P (t)	45.3	51.4	53.5	55.6	57.7	58.9	62.8	83.9	85.5
	R ₁ (t)	98.2	119.7	152.5	184	223	251.3	274.2	238.6	258.2
	R ₂ (t)	-120.8	-145.4	-179.2	-211.7	-258.7	-280.8	-305.7	-275.5	-296

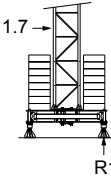
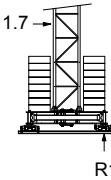
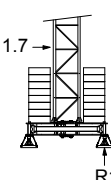
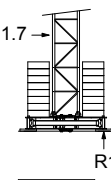
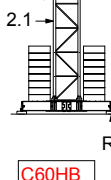
C50	H (m)	22.8	28.7	37.5	43.4	46.4	49.3	52.3	64	
	M (T-m)	253.7	319	406.2	490.2	611.6	668.8	703.5	786.1	
	T (t)	8	9.4	11.1	12.2	14	14.6	15.7	17.6	
	P (t)	55.1	57.3	59.5	61.7	64	65.2	67.5	68.8	
	R ₁ (t)	105.8	136	176.5	215.6	272	299	238.2	267.8	
	R ₂ (t)	-133.3	-164.7	-206.3	-246.5	-304	-331.5	-272	-302.2	

D50	H (m)	22.8	28.7	37.5	40.4	43.4	49.3	52.3		
	M (T-m)	303.8	387	500.1	609	669	701.6	789		
	T (t)	10.5	12.2	14.4	15.9	16.6	16.9	17.2		
	P (t)	55.1	57.3	59.5	61.7	63	66.1	67.5		
	R ₁ (t)	129.4	168	221	271.6	299.8	236.2	269.3		
	R ₂ (t)	-157	-196.7	-250.8	-302.5	-331.3	-270	-304		

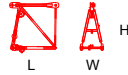
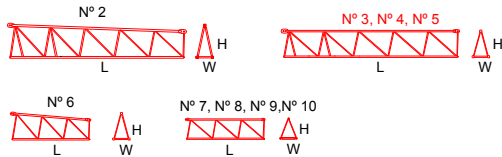
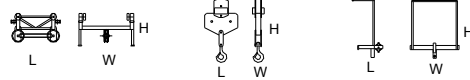

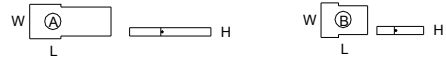


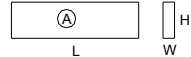


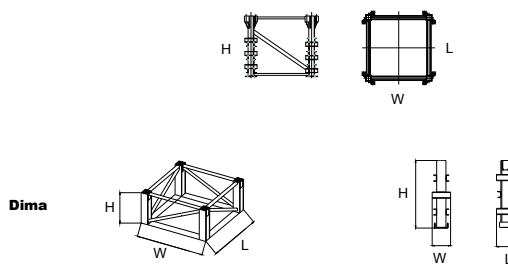
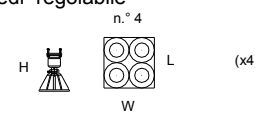
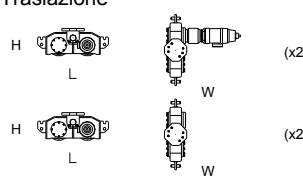
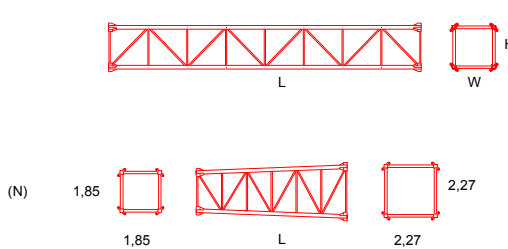
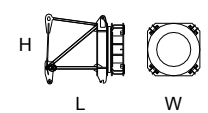
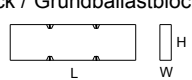

Consultamos-Consultateci-Consult us-Nous consulter-Auf anfrage


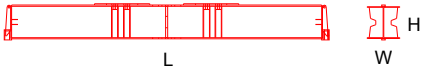
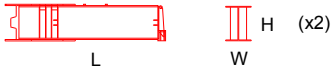
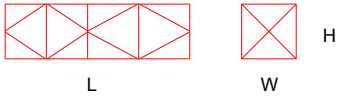
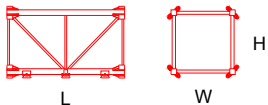
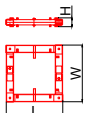
FEM 1005-C25-C50-D50 / EN 14439 – Bloque lastre de base – Base ballast block – Grundballastblöcke – Bloc de lest de base – Blocco di zavorra alla base

(A)		<div style="border: 1px solid black; padding: 2px; display: inline-block;">C45HM</div>	<table border="1"> <tr><td rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">C25</td><td>H (m)</td><td>23.9 m</td><td>29.8 m</td><td>38.6 m</td><td>41.6 m</td><td>47.5 m</td></tr> <tr><td>R1 (t)</td><td>51 t</td><td>62t</td><td>70.1t</td><td>89.2 t</td><td>122.1 t</td></tr> <tr><td>Z (t)</td><td>68.4 t</td><td>68.4 t</td><td>76 t</td><td>98.8 t</td><td>121.6t</td></tr> </table>	C25	H (m)	23.9 m	29.8 m	38.6 m	41.6 m	47.5 m	R1 (t)	51 t	62t	70.1t	89.2 t	122.1 t	Z (t)	68.4 t	68.4 t	76 t	98.8 t	121.6t			
			C25		H (m)	23.9 m	29.8 m	38.6 m	41.6 m	47.5 m															
					R1 (t)	51 t	62t	70.1t	89.2 t	122.1 t															
Z (t)	68.4 t	68.4 t		76 t	98.8 t	121.6t																			
<table border="1"> <tr><td rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">C50</td><td>H (m)</td><td>23.9 m</td><td>29.8 m</td><td>38.6 m</td><td>41.6 m</td><td>44.5 m</td></tr> <tr><td>R1 (t)</td><td>52.3 t</td><td>64.3 t</td><td>72 t</td><td>90.1 t</td><td>119.8 t</td></tr> <tr><td>Z (t)</td><td>68.4 t</td><td>68.4 t</td><td>83.6 t</td><td>114 t</td><td>121.6 t</td></tr> </table>	C50	H (m)	23.9 m	29.8 m	38.6 m	41.6 m	44.5 m	R1 (t)	52.3 t	64.3 t	72 t	90.1 t	119.8 t	Z (t)	68.4 t	68.4 t	83.6 t	114 t	121.6 t						
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(B)		<div style="border: 1px solid black; padding: 2px; display: inline-block;">C45HM</div>	<table border="1"> <tr><td rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">C25</td><td>H (m)</td><td>23.7 m</td><td>29.6 m</td><td>38.4 m</td><td>41.4 m</td><td>47.3 m</td></tr> <tr><td>R1 (t)</td><td>51 t</td><td>62t</td><td>70.1t</td><td>89.2 t</td><td>122.1 t</td></tr> <tr><td>Z (t)</td><td>68.4 t</td><td>68.4 t</td><td>76 t</td><td>98.8 t</td><td>121.6t</td></tr> </table>	C25	H (m)	23.7 m	29.6 m	38.4 m	41.4 m	47.3 m	R1 (t)	51 t	62t	70.1t	89.2 t	122.1 t	Z (t)	68.4 t	68.4 t	76 t	98.8 t	121.6t			
			C25		H (m)	23.7 m	29.6 m	38.4 m	41.4 m	47.3 m															
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Z (t)	68.4 t	68.4 t		76 t	98.8 t	121.6t																			
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(D)		<div style="border: 1px solid black; padding: 2px; display: inline-block;">C45HM</div>	<table border="1"> <tr><td rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">C25</td><td>H (m)</td><td>24.5 m</td><td>30.3 m</td><td>39.1 m</td><td>42.1 m</td><td>48 m</td></tr> <tr><td>R1 (t)</td><td>51 t</td><td>62t</td><td>70.1t</td><td>89.2 t</td><td>122.1 t</td></tr> <tr><td>Z (t)</td><td>68.4 t</td><td>68.4 t</td><td>76 t</td><td>98.8 t</td><td>121.6t</td></tr> </table>	C25	H (m)	24.5 m	30.3 m	39.1 m	42.1 m	48 m	R1 (t)	51 t	62t	70.1t	89.2 t	122.1 t	Z (t)	68.4 t	68.4 t	76 t	98.8 t	121.6t			
			C25		H (m)	24.5 m	30.3 m	39.1 m	42.1 m	48 m															
					R1 (t)	51 t	62t	70.1t	89.2 t	122.1 t															
Z (t)	68.4 t	68.4 t		76 t	98.8 t	121.6t																			
<table border="1"> <tr><td rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">C50</td><td>H (m)</td><td>24.5 m</td><td>30.3 m</td><td>39.1 m</td><td>42.1 m</td><td>45 m</td></tr> <tr><td>R1 (t)</td><td>52.3 t</td><td>64.3 t</td><td>72 t</td><td>90.1 t</td><td>119.8 t</td></tr> <tr><td>Z (t)</td><td>68.4 t</td><td>68.4 t</td><td>83.6 t</td><td>114 t</td><td>121.6 t</td></tr> </table>	C50	H (m)	24.5 m	30.3 m	39.1 m	42.1 m	45 m	R1 (t)	52.3 t	64.3 t	72 t	90.1 t	119.8 t	Z (t)	68.4 t	68.4 t	83.6 t	114 t	121.6 t						
C50		H (m)	24.5 m	30.3 m	39.1 m	42.1 m	45 m																		
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(E)		<div style="border: 1px solid black; padding: 2px; display: inline-block;">C45HM</div>	<table border="1"> <tr><td rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">C25</td><td>H (m)</td><td>23.6 m</td><td>28.6 m</td><td>38.3 m</td><td>41.3 m</td><td>47.2 m</td></tr> <tr><td>R1 (t)</td><td>51 t</td><td>62t</td><td>70.1t</td><td>89.2 t</td><td>122.1 t</td></tr> <tr><td>Z (t)</td><td>68.4 t</td><td>68.4 t</td><td>76 t</td><td>98.8 t</td><td>121.6t</td></tr> </table>	C25	H (m)	23.6 m	28.6 m	38.3 m	41.3 m	47.2 m	R1 (t)	51 t	62t	70.1t	89.2 t	122.1 t	Z (t)	68.4 t	68.4 t	76 t	98.8 t	121.6t			
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C50		H (m)	23.6 m	28.6 m	38.3 m	41.3 m	44.2 m																		
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(F)		<div style="border: 1px solid black; padding: 2px; display: inline-block;">C60HB</div>	<table border="1"> <tr><td rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">C25</td><td>H (m)</td><td>23.6 m</td><td>29.5 m</td><td>35.4 m</td><td>41.3 m</td><td>47.2 m</td><td>53 m</td></tr> <tr><td>R1 (t)</td><td>35.9 t</td><td>43.6 t</td><td>59.8 t</td><td>77 t</td><td>104 t</td><td>115.8 t</td></tr> <tr><td>Z (t)</td><td>60.8 t</td><td>68.8 t</td><td>68.8 t</td><td>76 t</td><td>91.2t</td><td>106.4t</td></tr> </table>	C25	H (m)	23.6 m	29.5 m	35.4 m	41.3 m	47.2 m	53 m	R1 (t)	35.9 t	43.6 t	59.8 t	77 t	104 t	115.8 t	Z (t)	60.8 t	68.8 t	68.8 t	76 t	91.2t	106.4t
			C25		H (m)	23.6 m	29.5 m	35.4 m	41.3 m	47.2 m	53 m														
					R1 (t)	35.9 t	43.6 t	59.8 t	77 t	104 t	115.8 t														
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Dimensiones y transporte - dimensions and transport - Abmessungen und Transport - dimensions et des transports - dimensioni e trasporti - Размеры и транспорта

	L(m)	W(m)	H(m)	Peso(Kg)	
Pluma tramo primero / Jib heel section / Ausleger-Anlenkstück / Pied de fleche / Settore articolato di braccio / 	2.4	1.3	2.36	950	
Elemento intermedio de pluma / Intermediate jib section / Ausleger-Zwischenstück / Elément interm. de fleche / Spezzone di braccio / 	2 3 4 5 6 7 8 9 10	11.6 11.6 5.3 5.3 5.3 5.3 5.3 5.3 5.15 5.3	1.13 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 1.4 1.45	2194 1720 620 530 470 376 326 326 248 326
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	2775	
Bloque de contrapeso / Counterweight blocks / Gegengewichtsblöcke / Bloc de contrepoids / Blocco di contrappeso / 	3.2 1.83	1.25 1.25	0.29 0.29	2500 1500	
Base Cruciforme C45HM / Crossbase C45HM / Fundamentkreuz C45HM / Châsis C45HM / Carro base C45HM 	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	

		L(m)	W(m)	H(m)	Peso(Kg)	
Elemento de empotre / Foundation anchor / Fundamentanker / Pieds de scellement El annegare / A 	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	
	<hr/>					
Niveladores / Levellers / Spindel pyramide / Niveleurs / Piedi regolabile 		1,20	1,20	0,90	250	
Traslacion / Travelling bogies / Kranfahren / Traslacion / Traslazione 		1,15	1,25	0,45	505	
		1,15	0,25	0,45	450	
<hr/>						
Elemento de torre / Tower section / Turmstück / Elément 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
<hr/>						
Unidad de rotacion / Complete slewing unit / Drehbühne / Partie tournante / Unitá di rotazione 		3.04	2,00	3.35	5700	
<hr/>						
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	
<hr/>						
Equipo de elevacion 25HP / Hoist winch / Heben / Levage / Sollevamento 		1.4	2.2	0.64	750	

	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 C60HB / 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 C60HB / 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 / Completa / Full / Vollständige/Complete / completa / 	K-2.95 7,35 K-5.9 11.2	2,1	2,1	6400 8000
Estructura / Steel frame / Struktur/ Construction / Struttura / Hidraulico y accesorios / Hydraulic and accessories/ Hydraulik-und Zubehör / hydraulique et accessoires / idrauliche ed accessori /				K-2.95 4890 K-5.9 6490
Tramo trepador Kt / Tower element / Turmstück / Élément de mât / Elemento di torre monolitico 	2.95 5.9 11.8	1,85	1,85	1475 2572 4750
Marco trepado externo / Tie-frame / Cadre d'encrage externe / Sopralzo con ancoraggio esterno / 	2.31	2.31	0.26	950



40" HC x 6 - HBG 34.6 mt



x 5 - HBG 34.6 mt