



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

60 m		10	15	20	25	26.4	30	35	40	45	50	55	60	m	
		4000	4000	4000	4000	4000	3433	2844	2407	2069	1800	1582	1400	Kg	
		10	14.6	15	20	25	30	35	40	45	50	55	60	m	
55 m		8000	8000	7757	5504	4194	3337	2732	2283	1937	1661	1436	1250	Kg	
		10	15	20	25	30	30	35	40	45	50	55	m		
		4000	4000	4000	4000	4000	4000	3350	2848	2460	2151	1900	Kg		
50 m		10	15	16.5	20	25	30	35	40	45	50	55	m		
		8000	8000	8000	6398	4901	3921	3231	2718	2322	2007	1750	Kg		
		10	15	20	25	30	34.9	35	40	45	50	m			
45 m		4000	4000	4000	4000	4000	4000	3997	3412	2960	2600	Kg			
		10	15	19	20	25	30	35	40	45	50	m			
		8000	8000	8000	7545	5808	4671	3870	3275	2816	2450	Kg			
40 m		10	15	20	25	30	39.2	40	45	m					
		4000	4000	4000	4000	4000	4000	3909	3400	Kg					
		10	15	20	21.2	25	30	35	40	45	m				
35 m		8000	8000	8000	8000	6606	5331	4433	3765	3250	Kg				
		10	15	20	22	25	30	35	40	m					
		4000	4000	4000	4000	4000	4000	4000	4000	Kg					
30 m		10	15	20	25	30	m								
		4000	4000	4000	4000	4000	Kg								
		10	15	20	20.1	25	30	m							
30 m		8000	8000	8000	8000	6205	5100	Kg							
		10	15	20	25	30	m								
		4000	4000	4000	4000	4000	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

45 Hp (33Kw) - INV-5V
400 V / 50-60 Hz
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					
		Kg	4000	4000	3000	2000	1250	8000	8000	6000	4000	2500
		350 m LEBUS 1734 m	Kw	33	33	33	33	33	33	33	33	33

* 30 Hp (22Kw) - INV-5V
400 V / 50-60 Hz
H.B.G 88Mts S/R Ø12
H.B.G LEBUS 196Mts S/R Ø12

		m/min	0— 6.3	0— 29	0— 34	0— 51	0— 71					
		Kg	4000	4000	3000	2000	1250	8000	8000	6000	4000	2500
		261 m LEBUS 1417 m	Kw	22	22	22	22	22	22	22	22	22

	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		

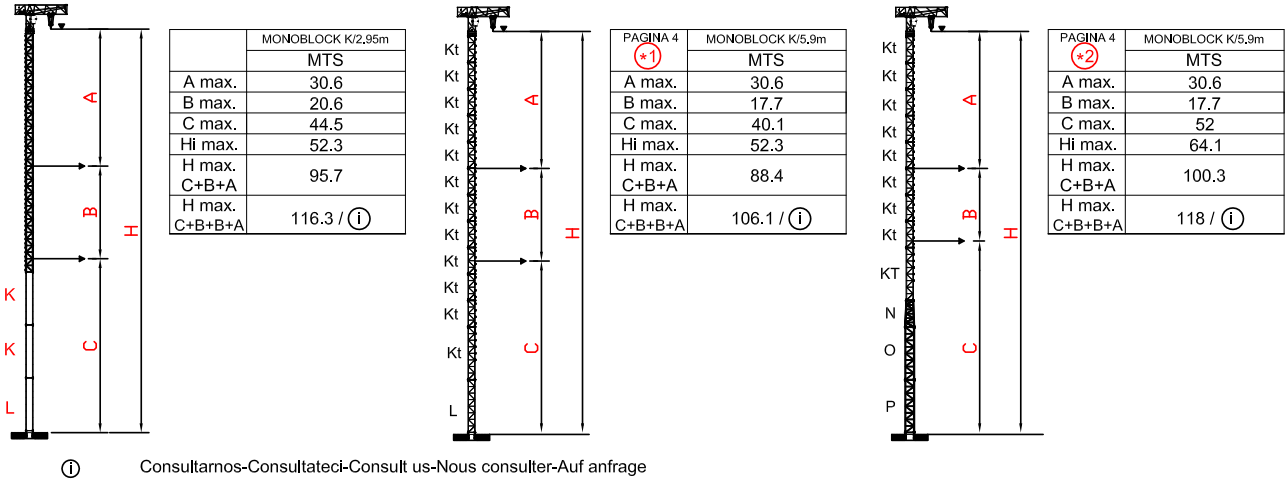
* Opcional / Optional / Opzionale /

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

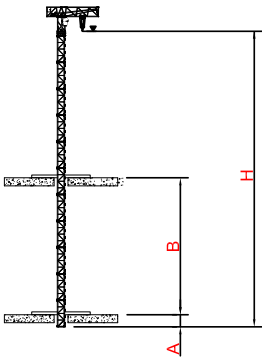
		400 V 50 Hz	100m 4x35mm ²	GENERADOR 150 kVA	POTENCIA INSTALADA 60 KW
		2000/14/CEE 2005/88/CEE	2006/95 /CEE		
		380 V 60 Hz	100m 4x35mm ²	OPCIONAL	
		2000/14/CEE 2005/88/CEE	2006/95 /CEE		

Proceso de trepado- External climbing- Kletterkrane- Telescopable- Sopralzo idraulico - Процесс наращивания крана

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

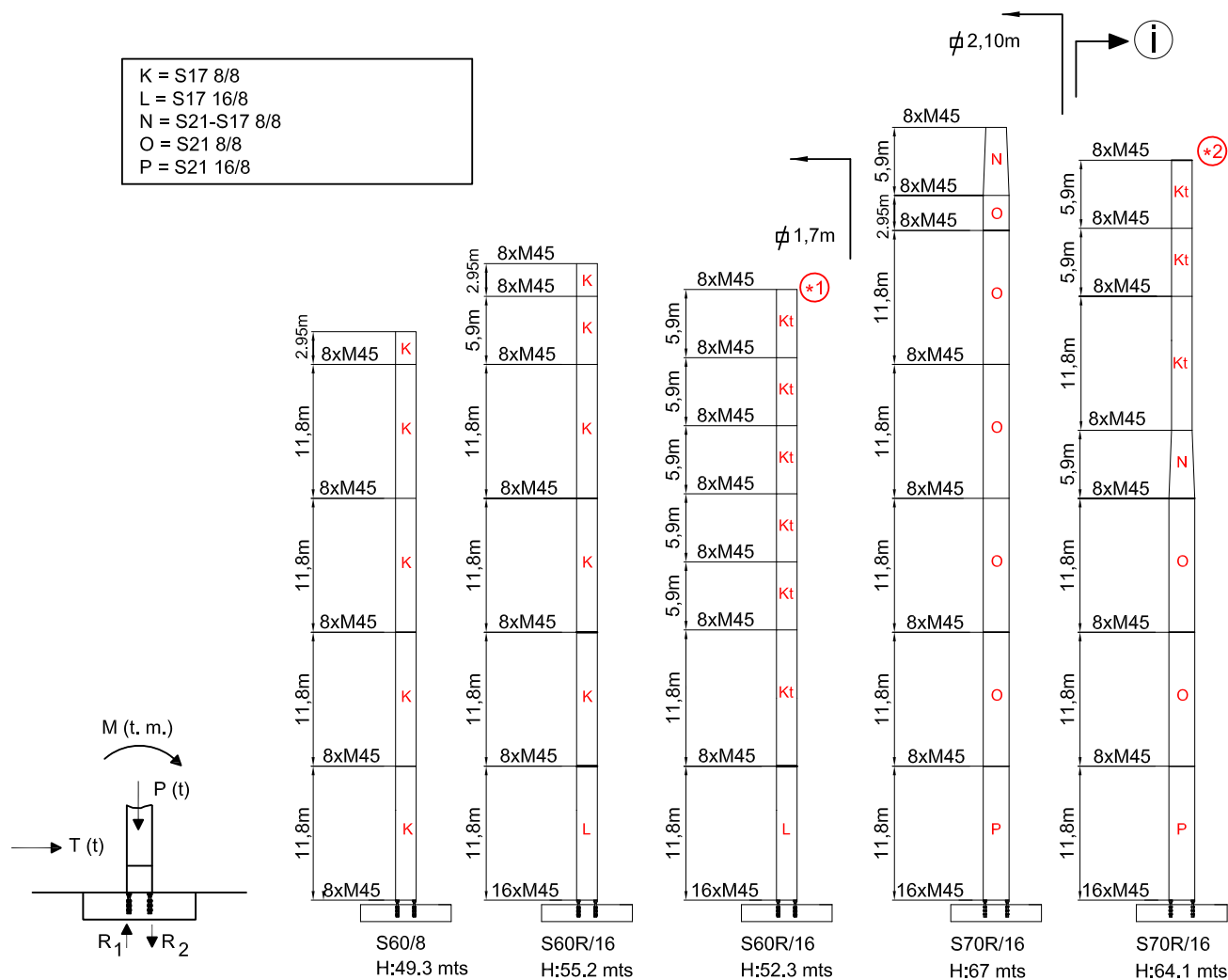


TREPADO INTERNO / BOTTOM CLIMBING CRANE / KLETTERKRANE IM
GEBÄUDE / TÉLESCOPAGE SUR DALLES / GRU CLIMBING /
ВНУТРЕННИЙ ПРОЦЕСС ТЕЛЕСКОПИРОВАНИЯ



① Consultarnos-Consultateci-Consult us-Nous consulter-Auf anfrage

FEM 1005-C25-C50-D50 / EN 14439- Mástil / Reacciones- Masts / Reactions- Mast / Eckdrücke- Mat / Réactions- Torre / Réazioni / Реакции - Комплектация башни



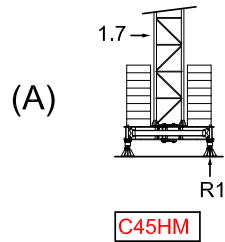
C25	H (m)	22.8	28.7	37.5	43.4	49.3	52.3	55.2	64	67
	M (T·m)	232.4	281.3	352	419.6	518.3	564.5	615.2	708.9	764.2
	T (t)	6.2	7.4	8.8	9.7	11.2	11.6	12.3	17	17.5
	P (t)	45.3	51.4	53.5	55.6	57.7	58.9	62.8	83.9	85.5
	R ₁ (t)	98.2	119.7	152.5	184	223	251.3	274.2	238.6	258.2
	R ₂ (t)	-120.8	-145.4	-179.2	-211.7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



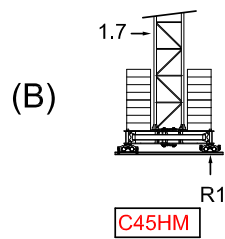
**FEM 1005-C25-C50-D50 / EN 14439- Bloque lastre de base- Base ballast block- Grundba-
llastblöcke - Bloc de lest de base- Blocco di zavorra alla base - Балласты опорной рамы**



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

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

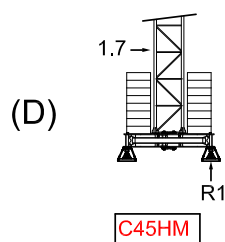
D50	H (m)	23.9 m	29.8 m	38.6 m	41.6 m	44.5 m
	R1 (t)	54.5 t	65.1 t	87.4t		
	Z (t)	68.4 t	83.6 t	114 t		



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

C50	H (m)	23.7 m	29.6 m	38.4 m	41.4 m	44.3 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

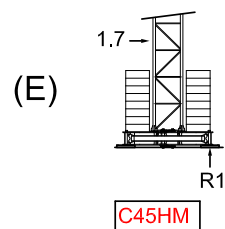
D50	H (m)	23.7 m	29.6 m	38.4 m	41.4 m	44.3 m
	R1 (t)	54.5 t	65.1 t	87.4t		
	Z (t)	68.4 t	83.6 t	114 t		



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

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

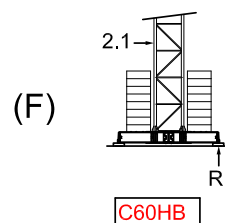
D50	H (m)	24.5 m	30.3 m	39.1 m	42.1 m	45 m
	R1 (t)	54.5 t	65.1 t	87.4t		
	Z (t)	68.4 t	83.6 t	114 t		



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

C50	H (m)	23.6 m	28.6 m	38.3 m	41.3 m	44.2 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

D50	H (m)	23.6 m	28.6 m	38.3 m	41.3 m	44.2 m
	R1 (t)	54.5 t	65.1 t	87.4t		
	Z (t)	68.4 t	83.6 t	114 t		

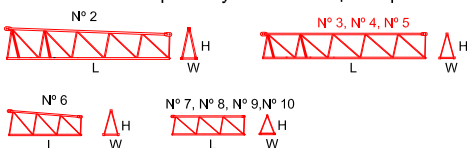
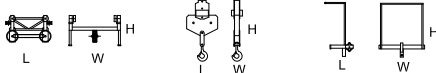
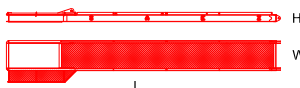
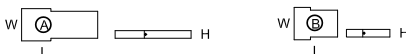
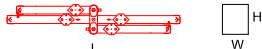
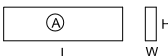


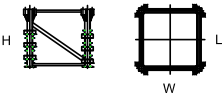
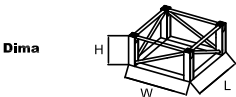
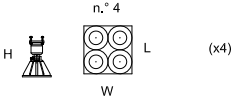
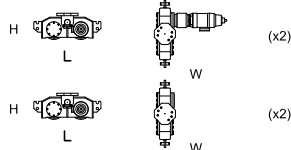
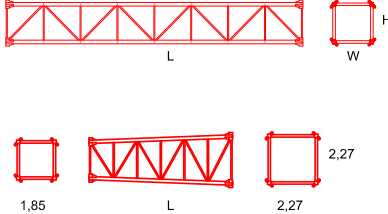
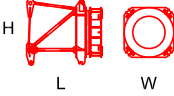
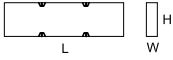
C25	H (m)	23.6 m	29.5 m	35.4 m	41.3 m	47.2 m	53 m
	R1 (t)	35.9 t	43.6 t	59.8 t	77 t	104 t	115.8 t
	Z (t)	60.8 t	68.8 t	68.8 t	76 t	91.2t	106.4t

C50	H (m)	23.6 m	29.5 m	35.4 m	41.3 m	47.2 m	50.1 m
	R1 (t)	35.9 t	43.6 t	65.8 t	84.7 t	118 t	119.5 t
	Z (t)	60.8 t	68.8 t	76 t	91.2 t	98.8t	106.4t

D50	H (m)	23.6 m	29.5 m	35.4 m	41.3 m	47.2 m	50.1 m
	R1 (t)	41.4 t	62.7 t	92t	119.6 t		
	Z (t)	60.8 t	76 t	76 t	91.2t		

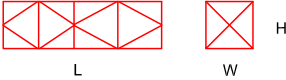
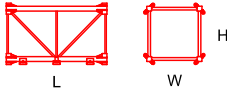
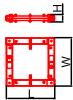
Dimensiones y transporte- Dimensions and transport - Abmessungen und Transport- Dimensions et des transports - Dimensioni e trasporti - Размеры и транспорта

	L(m)	W(m)	H(m)	Peso(Kg)	
Pluma tramo primero / Jib heel section / Ausleger-Anlenkstück / Pied de fleche / Settore articolato di braccio / Корневая секция стрелы	2.4	1.3	2.36	950	
					
Elemento intermedio de pluma / Intermediate jib section / Ausleger-Zwischenstück Elément interm. de fleche / Spezzone di braccio / Промежуточная секция стрелы	2	11.6	1.13	2.25	2194
	3	11.6	1.13	1.8	1720
	4	5.3	1.13	1.8	620
	5	5.3	1.13	1.8	530
	6	5.3	1.13	1.8	470
	7	5.3	1.13	1.45	376
	8	5.3	1.13	1.45	326
	9	5.15	1.13	1.4	248
	10	5.3	1.13	1.45	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 / Крюк и грузовая тележка	1.2	1.35	0.8	290	
	0.8	0.15	1.5	330	
	0.8	1.2	1.4	108	
					
Contrapluma / Counter-jib / Gegenausleger / Contre-fleche / Controbraccio /Консоль противовеса	11.94	1.8	0.6	2775	
					
Bloque de contrapeso / Counterweight blocks / Gegengewichtsblöcke / Bloc de contrepoids / Blocco di contrappeso / Плита противовеса	3.2	1.25	0.29	2500	
	1.83	1.25	0.29	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 / Плиты балласта опорной рамы	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 / Анкерные крепления		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	250
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 / Башенные секции		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 Оголовок башни			3.04	2.00	3.35	5700
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
Equipo de elevacion 45HP / Hoist winch / Heben / Levage / Sollevamento			1.4	2.2	0.64	1078



TLS 60 8T

	L(m)	W(m)	H(m)	Peso(Kg)
Cabina y soporte / Cabin and platform / Kabine und wartungs / Cabine et support / Cabina e supporto / Кабина с основой 	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/ Несущая балка опорной рамы C60HB 	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 Вспомогательная балка опорной рамы 	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 / Монтажная обойма Completa / Full / Vollständige/Complete / completa / полный 	K-2.95 7,35 K-5.9 11.2	2,1	2,1	6400 8000
Estructura / Steel frame / Struktur/ Construction / Struttura / структура Hidraulico y accesorios / Hydraulic and accessories/ Hydraulik-und Zubehör hydraulique et accessoires / idrauliche ed accessori / Гидравлические и аксессуары	K-2.95 K-5.9			4890 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 / ВНЕШНЯЯ РАМКА ПРИСТЕЖКИ 	2.31	2.31	0.26	950



40" HC x 6 - HBG 34.6 mt



x 5 - HBG 34.6 mt

SPECIFICATIONS SUBJECT TO MODIFICATION WITHOUT NOTICE.

THIS INFORMATION IS SUPPLIED WITHOUT LIABILITY.

MANUFACTURER:

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