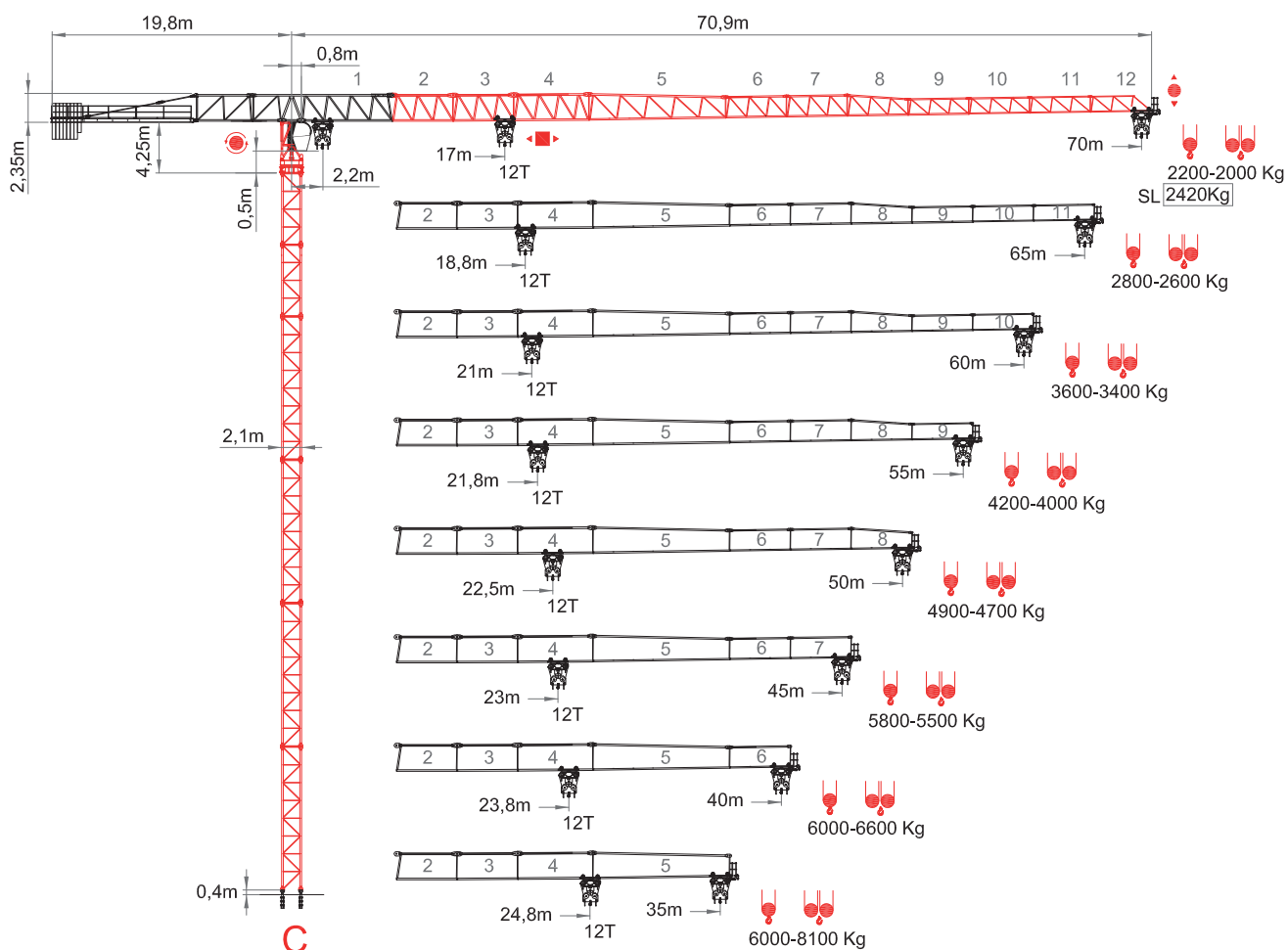


Curvas de cargas - Load diagrams - Lastkurven - Courbes de charges - Curve di carico - График грузоподъёмности

70 m

SL	15	20	25	30	33,7	35	40	45	50	55	60	65	70	m	
	6000	6000	6000	6000	6000	5741	4903	4255	3739	3318	2968	2645	2420	Kg	
	15	20	25	30	30,8	35	40	45	50	55	60	65	70	m	
	6000	6000	6000	6000	6000	5150	4350	3740	3250	2850	2520	2240	2000	Kg	
	15	17	20	25	30	35	40	45	50	55	60	65	70	m	
	12000	12000	10010	7720	6210	5150	4350	3740	3250	2850	2520	2240	2000	Kg	

65 m

SL	15	20	25	30	35	37,5	40	45	50	55	60	65	m	
	6000	6000	6000	6000	6000	6000	5570	4847	4270	3800	3409	3080	Kg	
	15	20	25	30	34,1	35	40	45	50	55	60	65	m	
	6000	6000	6000	6000	6000	5820	4940	4260	3720	3280	2910	2600	Kg	
	15	18,8	20	25	30	35	40	45	50	55	60	65	m	
	12000	12000	11210	8670	7000	5820	4940	4260	3720	3280	2910	2600	Kg	

60 m

SL	15	20	25	30	35	40	42,3	45	50	55	60	m	
	6000	6000	6000	6000	6000	6000	6000	5583	4932	4401	3960	Kg	
	15	20	25	30	35	38,2	40	45	50	55	60	m	
	6000	6000	6000	6000	6000	6000	5680	4920	4310	3810	3400	Kg	
	15	20	21	25	30	35	40	45	50	55	60	m	
	12000	12000	12000	9870	8000	6670	5680	4920	4310	3810	3400	Kg	

55 m

SL	15	20	25	30	35	37	44	45	50	55	m	
	6000	6000	6000	6000	6000	6000	6000	5851	5173	4620	Kg	
	15	20	25	30	35	39,6	40	45	50	55	m	
	6000	6000	6000	6000	6000	6000	5940	5150	4520	4000	Kg	
	15	20	21,8	25	30	35	40	45	50	55	m	
	12000	12000	12000	10290	8350	6970	5940	5150	4520	4000	Kg	

50 m

SL	15	20	25	30	35	40	42	45	50	m	
	6000	6000	6000	6000	6000	6000	6000	6000	5390	Kg	
	15	20	25	30	35	40	40,9	45	50	m	
	8000	8000	8000	6000	6000	6000	6000	5350	4700	Kg	
	15	20	22,5	25	30	35	40	45	50	m	
	12000	12000	12000	10670	8660	7230	6170	5350	4700	Kg	

45 m

SL	15	20	25	30	35	40	43	45	m	
	6000	6000	6000	6000	6000	6000	6000	6000	Kg	
	15	20	25	30	35	40	41,8	45	m	
	6000	6000	6000	6000	6000	6000	6000	5500	Kg	
	15	20	23	25	30	35	40	45	m	
	12000	12000	12000	10930	8880	7420	6340	5500	Kg	

40 m

SL	10	15	20	25	30	35	40	m	
	6000	6000	6000	6000	6000	6000	6000	Kg	
	15	20	25	30	35	37	40	m	
	6000	6000	6000	6000	6000	6000	6000	Kg	
	15	20	23,8	25	30	35	40	m	
	12000	12000	12000	11360	9230	7720	6600	Kg	

35 m

SL	10	15	20	25	30	35	m	
	6000	6000	6000	6000	6000	6000	Kg	
	10	15	20	25	30	35	m	
	6000	6000	6000	6000	6000	6000	Kg	
	15	20	24,8	25	30	35	m	
	12000	12000	12000	11890	9670	8100	Kg	

SL-SUPERLIFT Otras velocidades y características de funcionamiento – Variant speeds and service conditions –
 Abweichende Geschwindigkeiten und Betriebsbedingungen – Vitesses et conditions de fonctionnement différentes
 – Differenti velocità e condizioni di funzionamento – Нестандартные скорости и условия эксплуатации

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

	70 m		65 m		60 m		55 m	
	A	B	A	B	A	B	A	B
	7	1	7	1	7	1	6	2
	20750 Kg		20750 Kg		20750 Kg		19500 Kg	

	50 m		45 m		40 m		35 m	
	A	B	A	B	A	B	A	B
	5	3	5	2	4	3	4	2
	18250 Kg		16750 Kg		15500 Kg		14000 Kg	

Mecanismos - Mechanisms - Antriebe - Mécanismes - Meccanismi - Приводы

56 Hp (42Kw) - INV
400 V / 50-60 Hz
HBG 300m S/R Ø16

												
		m/min	0—5	0—35	0—48	0—73	0—107	0—2,5	0—17,5	0—24	0—36,5	0—53,5
	600 m	Kg	6000	6000	4000	2500	1250	12000	12000	8000	5000	2500
	LEBUS	Kw	42	42	42	42	42	42	42	42	42	42

*75 Hp (55Kw) - INV
400 V / 50-60 Hz
HBG 300m S/R Ø16

												
		m/min	0—5	0—44	0—60	0—85,5	0—118	0—2,5	0—22	0—30	0—42,7	0—59
	600 m	Kg	6000	6000	4000	2500	1250	12000	12000	8000	5000	2500
	LEBUS	Kw	55	55	55	55	55	55	55	55	55	55

	m/min	11 / 37 / 100		
	Kw	11		
	r.p.m.	0,3	0,6	0,9
	Kw	2 x 7,5		
	m/min	12 / 24		
	Kw	4 x 3		

56Hp (42Kw) - INV

		400V 50Hz I _{max} .= 132A Fuse= 160A	TOTAL POWER 75 KVA	GENERATOR 138 KVA	100m 4x50mm ²	150m 4x50mm ²	200m 4x50mm ²
		* 480V 60Hz I _{max} .= 110A Fuse= 125A					

75Hp (55Kw) - INV

		400V 50Hz I _{max} .= 187A Fuse= 224A	TOTAL POWER 109 KVA	GENERATOR 200 KVA	100m 3PX70+GND	150m 3PX70+GND	200m 3PX70+GND
		* 480V 60Hz I _{max} .= 156A Fuse= 175A					

* Opcional / Optional / Opzionale

 Elevación / Hoisting / Heben / Levage / Sollevamento

 Distribución / Trolleying / Katzfahren / Distribution / Distributions

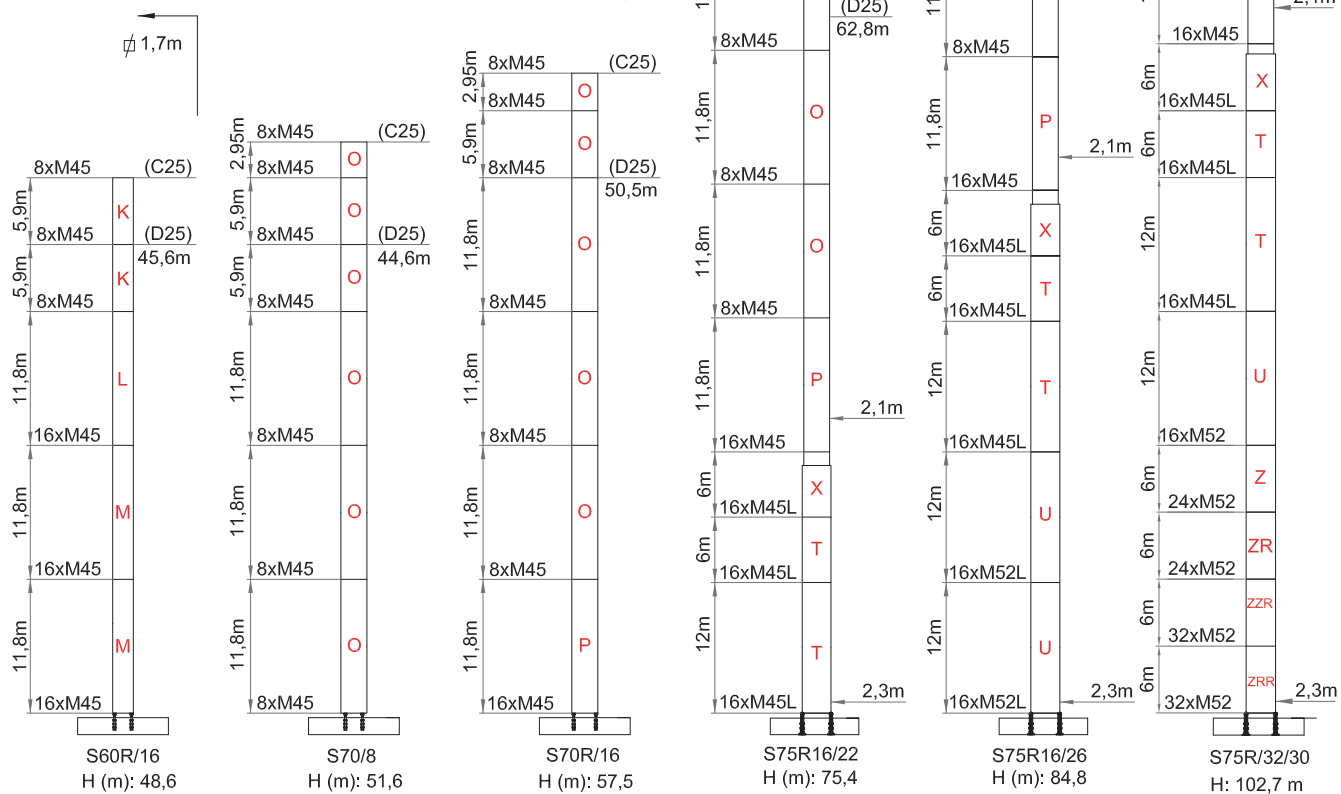
 Orientación / Slewing / Schwenken / Orientation / Rotazione

 Traslacion / Travelling / Schienenfahren / Translation / Traslazione

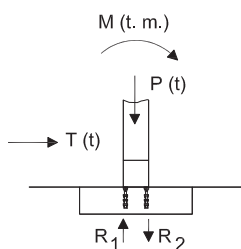
 Cable / Rope / Seil / Câble / Fune

FEM 1005-C25-D25 / EN 14439 - Mástil / Reacciones - Masts / Reactions - Maste / Eckdrücke - Mat / Réactions - Torre / Réazioni - Реакции / Комплектация башни

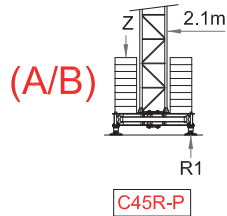
K = S17 8/8
L = S17 16/8
M = S17 16/16
N = S21-S17 8/8
O = S21 8/8
P = S21 16/8
T = S2322 16/16 M45L
U = S2326 16/16 M52L
X = C2322/21



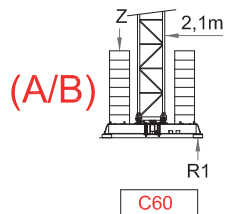
		M	O	P	T	U	ZRR
C 25	H (m)	48,6	51,6	57,5	75,4	84,8	102,7
	M (T·m)	498,6	572,2	644,5	1056,8	1368,8	2028
	T (t)	9,3	9,3	9,9	20,9	25,4	30,5
	P (t)	65,7	76,9	81,3	93	112,3	125
	R ₁ (t)	220	188,2	213,3	341,2	440	668,2
	R ₂ (t)	-250	-226,7	-254	-387,7	-500	-730,7
		M	O	P	T	U	ZRR
D 25	H (m)	45,6	44,6	50,5	62,8	71,7	93,8
	M (T·m)	515,4	521	659,5	995,2	1316	2271,7
	T (t)	16,4	17,1	18,6	23,3	28,2	38
	P (t)	74,6	71,2	75,2	85,8	101,2	125,3
	R ₁ (t)	224,2	171,1	220,3	321	428,6	752,2
	R ₂ (t)	-261,6	-206,7	-257,9	-364	-479	-815



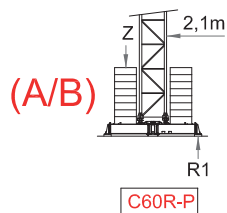
FEM 1005-C25-D25 / EN 14439 - Bloque lastre de base - Base ballast block - Grundballastblöcke - Bloc de lest de base - Blocco di zavorra alla base - Балласты опорной рамы



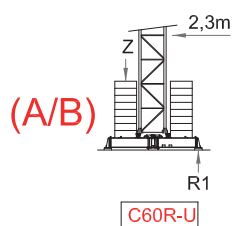
C25	H (m)	26 m	28,9 m	31,9 m	35 m	40,7 m	46,6 m	52,5 m	58,4 m
	R1 (t)	72,4 t	77,1 t	81,9 t	86,9 t	97,3 t	122,7 t	160 t	202,9 t
	Z (t)	60 t	70 t	80 t	90 t	110 t	140 t	165 t	205 t
D25	H (m)	26 m	28,9 m	31,9 m	35 m	40,7 m	46,6 m	49,5 m	
	R1 (t)	73 t	78 t	82,8 t	93,4 t	130,4 t	173 t	196,6 t	
	Z (t)	65 t	75 t	85 t	100 t	125 t	155 t	175 t	



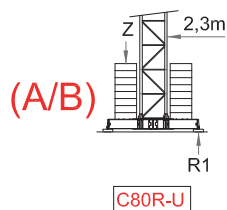
C25	H (m)	23,1 m	29 m	34,9 m	40,8 m	46,7 m			
	R1 (t)	52,3 t	59,4 t	65,7 t	74,8 t	91,2 t			
	Z (t)	40 t	40 t	50 t	70 t	90 t			
D25	H (m)	23,1 m	29 m	34,9 m	40,8 m	43,7 m			
	R1 (t)	52,1 t	59,2 t	70,1 t	97,3 t	112,4 t			
	Z (t)	40 t	40 t	60 t	80 t	90 t			



C25	H (m)	26,2 m	32,1 m	35 m	40,9 m	46,8 m	52,7 m	55,7 m	61,6 m
	R1 (t)	54,7 t	61,8 t	66,1 t	73,7 t	89,6 t	116 t	130,5 t	162,5 t
	Z (t)	45 t	45 t	45 t	60 t	80 t	100 t	110 t	145 t
D25	H (m)	32,1 m	35 m	40,9 m	46,8 m	52,7 m			
	R1 (t)	62,7 t	69,2 t	95,8 t	126,2 t	160,8 t			
	Z (t)	45 t	50 t	70 t	95 t	120 t			



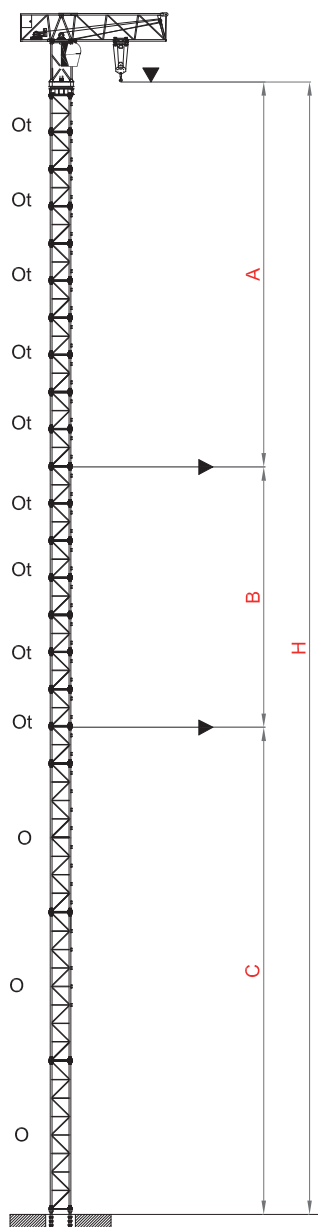
C25	H (m)	38,4 m	41,3 m	47,2 m	50,2 m	56,1 m	59 m	62 m	67,9 m
	R1 (t)	71,4 t	75,6 t	93,9 t	106,3 t	133 t	148 t	163,7 t	197,8 t
	Z (t)	50 t	60 t	75 t	85 t	110 t	120 t	135 t	190 t
D25	H (m)	38,4 m	41,3 m	47,2 m	50,2 m	56,1 m	59 m		
	R1 (t)	85,5 t	99 t	128,8 t	145,1 t	180,8 t	200,3 t		
	Z (t)	60 t	70 t	90 t	110 t	150 t	165 t		



C25	H (m)	61,7 m	64,6 m	70,6 m	76,7 m	82,8 m			
	R1 (t)	140,3 t	147,9 t	178,7 t	207,8 t	240,1 t			
	Z (t)	80 t	90 t	120 t	155 t	220 t			
D25	H (m)	61,7 m	64,6 m	70,6 m					
	R1 (t)	163,7 t	194,8 t	229,6 t					
	Z (t)	115 t	155 t	190 t					

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

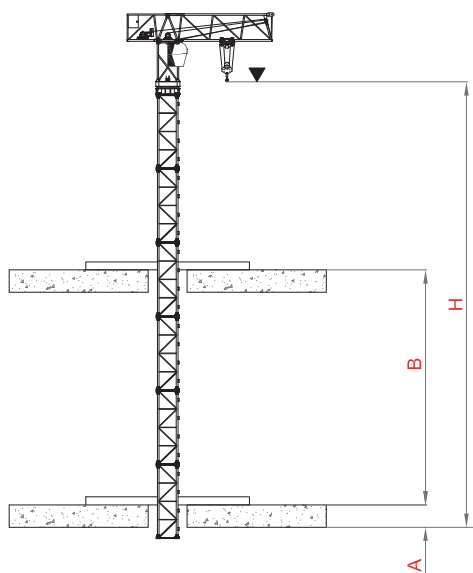
TREPADO EXTERNO / EXTERNAL CLIMBING / GEANKERTER KRAN /
GRUE ANDRÉE / GRU ANCORATA / ВОСХОЖДЕНИЕ ЭКСТЕРНО



	MONOBLOCK Ot/2,95 m
A max.	30,6 m
B max.	17,7 m
C max.	39,8 m
Hi max.	51,6 m
H max. C+B+A	88,1 m
H max. C+B+B+A	105,2 m / (i)

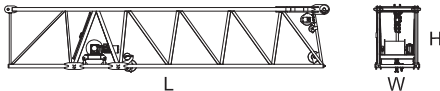
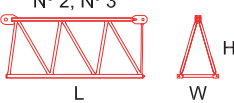
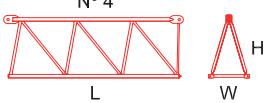
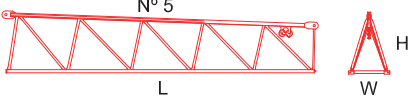
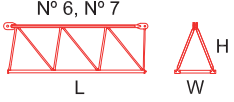
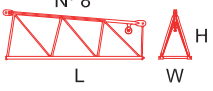
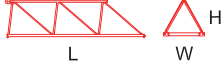
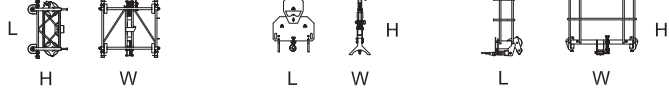
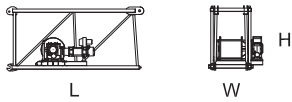
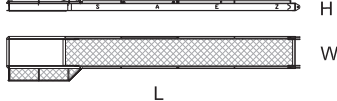
(i) Consultarnos - Consultateci - Consult us - Nous consulter - Auf anfrage -
Другие высоты подъема и наращивание крана по запросу

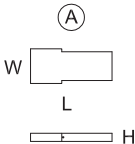
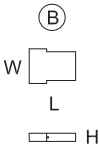
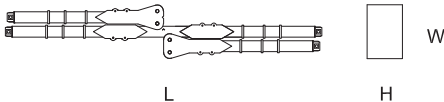
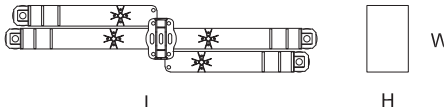
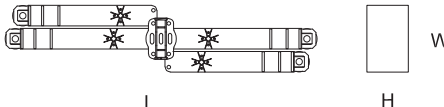
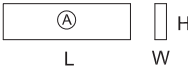
TREPADO INTERNO / BOTTOM CLIMBING CRANE / KLETTERKRANE IM GEBÄUDE / TÉLESCOPAGE SUR DALLES /
GRU CLIMBING / ВНУТРЕННИЙ ПРОЦЕСС ТЕЛЕСКОПИРОВАНИЯ

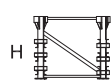
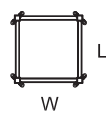
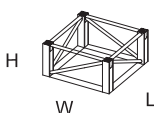
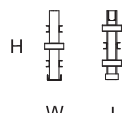
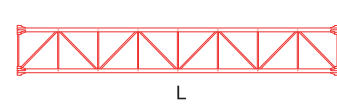
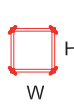
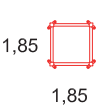
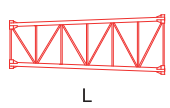
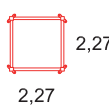
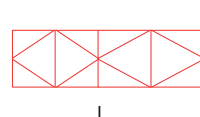


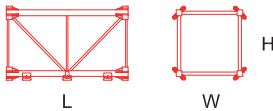
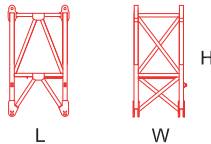
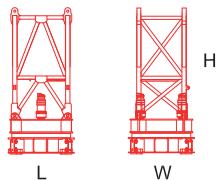
① Consultarnos - Consultateci - Consult us - Nous consulter - Auf anfrage -
Другие высоты подъема и наращивание крана по запросу

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	11,8	1,63	2,36	5700
				
Elemento intermedio de pluma / Intermediate jib section / Ausleger-Zwischenstück / Élément interm. de fleche / Spezzone di braccio / Промежуточная секция стрелы				
N° 2, N° 3 				
N° 4 				
N° 5 				
N° 6, N° 7 				
N° 8 				
N° 9,10,11 				
N° 12 				
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				
				
Contrapluma 1 / Counter-jib 1 / Gegenausleger 1 / Contre-fleche 1 / Controbraccio 1 / Консоль противовеса 1	5,00	1,90	2,32	2600
				
Contrapluma 2 / Counter-jib 2 / Gegenausleger 2 / Contre-fleche 2 / Controbraccio 2 / Консоль противовеса 2	11,94	1,8	0,6	3390
				
Barandillas / Protection				240

	L(m)	W(m)	H(m)	Peso(Kg)	
Bloque de contrapeso / Counterweight blocks / Gegengewichtsblöcke / Bloc de contrepoids / Blocco di contrappeso / Плита противовеса					
	A	3,5	1,25	0,29	2750
	B	1,83	1,25	0,29	1500
Bloque apoyo de base / Base support block / Grundballastblöcke / Bloc de appui de base / Blocco di appoggio alla base					
	2	0,5	2	5000	
Base C60-900 / base C60-900 / Hauptträger für fundamentkreuz C60-900 / Base C60-900 / Base C60-900					
	8,66	1,47	0,96	8625	
Base C60R-P/U / base C60R-P/U / Hauptträger für fundamentkreuz C60R-P/U / Base C60R-P/U / Base C60R-P/U					
	9,01	1,94	1,35	13500	
Base C80R-U / base C80R-U / Hauptträger für fundamentkreuz C80R-U / Base C80R-U / Base C80R-U					
	11,8	1,94	1,35	17200	
Bloque lastre de base / Base ballast block / Grundballastblöcke / Bloc de lest de base / Blocco di zavorra alla base					
	4,5	0,51	0,9	5000	
	5,8	0,4	1,5	8000	

		L(m)	W(m)	H(m)	Peso(Kg)
Elemento de empotre / Foundation anchor / Fundamentanker / Pieds de scellement / El anegare / Анкерные крепления					
  Dima  	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	1400
	S75R16/26	0,5	0,5	2,4	2100
	S75R24/26	0,5	0,5	2,4	3400
	S75R24/30	0,8	0,8	3	3600
	Dima	2,31	2,34	0,8	1650
Elemento de torre / Tower section / Turmstück / Elément de mât / Elemento di torre / Башенные секции					
     (N)	K	11,8	1,85	1,85	4620
	K	5,9	1,85	1,85	2505
	K	3	1,85	1,85	1500
	L	11,8	1,85	1,85	5325
	O	11,8	2,27	2,27	4980
	O	5,9	2,27	2,27	2680
	O	3	2,27	2,27	1580
	P	11,8	2,27	2,27	5880
	N	5,9			2850
	X	6	2,27	2,29	4830
	T	6	2,27	2,29	4780
	T	12	2,27	2,29	9000
	U	6	2,31	2,34	6200
	U	12	2,31	2,34	11180
	Z	6	2,61	2,34	7825
	ZR	6	2,31	2,34	7925
Jaula de telescopaje tipo O 2.95 / Climbing cage type O 2.95 / Hydraulikbühne O 2.95 / Cage de telescopage type O 2.95 / Gabbia di montaggio O 2.95/ Монтажная обойма O 2.95					
Completa / Full / Vollständige / Complete / completa / полный	O-2.95	7,35	2,75	2,75	7000
  Estructura / Steel frame / Struktur / Construction / Struttura / структура	O-2.95				5400
Hidraulico y accesorios / Hydraulic and accessories / Hydraulik-und Zubehör / hydraulique et accessoires / idrauliche ed accessori / Гидравлические и аксессуары					

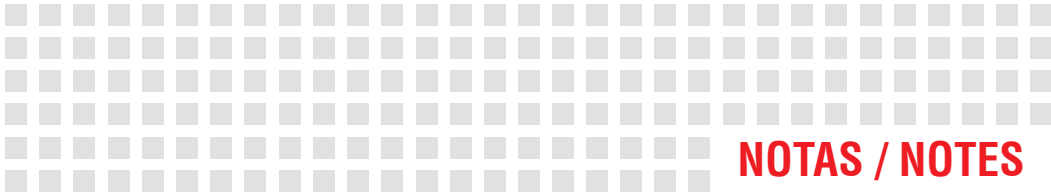
	L(m)	W(m)	H(m)	Peso(Kg)	
Tramo trepador Otr / Tower section Otr / Turmstück Otr / Élément de mât Otr / Elemento di torre Otr / Башенные секции Otr					
	2,95	2,27	2,27	1590	
	11,8	2,27	2,27	5102	
Marco trepado externo / Tie-frame / Cadre d'encrage externe / Sopralzo con ancoraggio esterno / внешняя рамка пристежки					
	2,31	2,31	0,26	950	
Cabina y soporte / Cabin and platform / Kabine und wartungs / Cabine et support / Cabina e supporto / Кабина с основой					
	3,00	1,15	2,35	820	
Unidad de rotacion / Complete slewing unit / Drehbühne / Orientation / Rotazione / Оголовок башни					
	2,22	1,64	3,28	1950	
	K	2,00	2,00	1,83	5000
	O	2,32	2,32	1,83	6100
	K	2,00	2,00	4,43	6950
	O	2,32	2,32	4,43	8050



40" HC x 9 - HBG 36 m



x 8 - HBG 36 m



NOTAS / NOTES

A series of horizontal lines for writing notes, spanning the width of the page below the header.