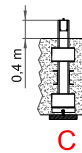
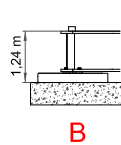
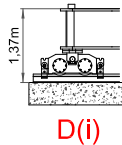
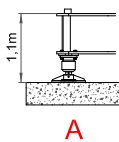
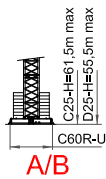








































TLS



**DIN/FEM**   
EN 14439-FEM 1005- C25



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

80		SL	15	20	25	30	35	39,3	40	45	50	55	60	65	70	75	80	m	
		10000	10000	10000	10000	10000	10000	9800	8539	7535	6717	6037	5464	4974	4550	4180	Kg		
		15	20	25	30	35	36,6	40	45	50	55	60	65	70	75	80	m		
		10000	10000	10000	10000	10000	10000	9030	7856	6922	6161	5528	4995	4539	4144	3800	Kg		
		15	20	25	30	35	35,7	40	45	50	55	60	65	70	75	80	m		
		10000	10000	10000	10000	10000	10000	8730	7556	6622	5861	5228	4695	4239	3844	3500	Kg		
75		SL	15	19,6	20	25	30	35	40	45	50	55	60	65	70	75	80	m	
		20000	20000	19605	15187	12293	10250	8730	7556	6622	5861	5228	4695	4239	3844	3500	Kg		
		15	20	20,9	25	30	35	40	45	50	55	60	65	70	75	80	m		
		20000	20000	20000	16339	13246	11063	9439	8185	7186	6373	5697	5127	4639	4218	3850	Kg		
		SL	15	20	25	30	35	40	45	50,5	55	60	65	70	75	m			
		10000	10000	10000	10000	10000	10000	10000	10000	10000	8969	8018	7228	6562	5992	5500	Kg		
70		SL	15	20	25	30	35	40	45	50	55	60	65	70	m				
		10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	9075	8196	7454	6820	Kg			
		15	20	25	30	35	40	45	46,7	50	55	60	65	70	m				
		10000	10000	10000	10000	10000	10000	10000	10000	10000	9261	8283	7471	6785	6200	Kg			
		15	20	25	30	35	40	45	45,6	50	55	60	65	70	m				
		10000	10000	10000	10000	10000	10000	10000	10000	8961	7983	7171	6485	5900	Kg				
65		SL	15	25	24,9	25	30	35	40	45	50	55	60	65	70	m			
		20000	20000	20000	19962	16244	13620	11669	10161	8961	7983	7171	6485	5900	Kg				
		15	20	25	26,8	30	35	40	45	50	55	60	65	70	m				
		20000	20000	20000	20000	17648	14817	12713	11086	9792	8737	7861	7122	6490	Kg				
		SL	15	20	25	30	35	40	45	50	54,4	55	60	65	m				
		10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	9888	8940	8140	Kg				
60		SL	15	20	25	30	35	40	45	50	50,2	55	60	65	m				
		10000	10000	10000	10000	10000	10000	10000	10000	10000	9011	8137	7400	Kg					
		15	20	25	30	35	40	45	49	50	55	60	65	m					
		10000	10000	10000	10000	10000	10000	10000	10000	9763	8711	7837	7100	Kg					
		15	20	25	26,7	30	35	40	45	50	55	60	65	m					
		20000	20000	20000	20000	17600	14776	12676	11054	9763	8711	7837	7100	Kg					
55		SL	15	20	25	28,8	30	35	40	45	50	55	60	65	m				
		20000	20000	20000	20000	19166	16112	13842	12087	10690	9552	8607	7810	Kg					

**60**

SL	15	20	25	30	35	40	45	50	55	57,7	60	m	
	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	Kg	
	15	20	25	30	35	40	45	50	53,2	55	60	m	
	10000	10000	10000	10000	10000	10000	10000	10000	10000	9625	8700	Kg	
	15	20	25	30	35	40	45	50	51,8	55	60	m	
	10000	10000	10000	10000	10000	10000	10000	10000	10000	9325	8400	Kg	
	15	20	25	28,3	30	35	40	45	50	55	60	m	
	20000	20000	20000	20000	18744	15752	13528	11809	10440	9325	8400	Kg	
SL	15	20	25	30	30,6	35	40	45	50	55	60	m	
	20000	20000	20000	20000	20000	17210	14798	12935	11452	10243	9240	Kg	

**55**

SL	15	20	25	27,4	30	35	40	45	50	55	m	
	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	Kg	
	15	20	25	30	35	40	45	48,3	50	55	m	
	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	Kg	
	15	20	25	30	35	40	45	46,2	50	55	m	
	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	Kg	
	15	20	25	30	31,1	35	40	45	50	55	m	
	20000	20000	20000	20000	20000	17776	15292	13372	11844	10600	Kg	
SL	15	20	25	30	34,1	35	40	45	50	55	m	
	20000	20000	20000	20000	20000	19460	16760	14673	13014	11660	Kg	

**50**

SL	15	20	25	30	35	40	45	50	m		
	10000	10000	10000	10000	10000	10000	10000	10000	Kg		
	15	20	25	30	35	40	45	50	m		
	10000	10000	10000	10000	10000	10000	10000	10000	Kg		
	15	20	25	30	35	40	45	47,57	50	m	
	10000	10000	10000	10000	10000	10000	10000	10000	10000	Kg	
	15	20	25	30	32,3	35	40	45	50	m	
	20000	20000	20000	20000	20000	18288	15738	13768	12200	Kg	
SL	15	20	25	28,3	30	35	40	45	50	m	
	20000	20000	20000	20000	20000	17271	15126	13420	Kg		

**45**

SL	15	20	25	30	35	40	45	m		
	10000	10000	10000	10000	10000	10000	10000	Kg		
	15	20	25	30	35	40	45	m		
	10000	10000	10000	10000	10000	10000	10000	Kg		
	15	20	25	30	35	40	45	m		
	10000	10000	10000	10000	10000	10000	Kg			
	15	20	25	30	33,5	35	40	45	m	
	20000	20000	20000	20000	20000	19105	16451	14400	Kg	
SL	15	20	25	30	35	36,5	40	45	m	
	20000	20000	20000	20000	20000	18075	15840	Kg		

① Consultarnos - Consultated - Consult us - Nous consulter - Auf anfrage - советоваться

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

	80 m			75 m			70 m			65 m		
	A	B	C	A	B	C	A	B	C	A	B	C
	7	1	-	7	1	-	7	1	-	6	2	-
	27000 Kg			27000 Kg			27000 Kg			26000 Kg		

	60 m			55 m			50 m			45 m		
	A	B	C	A	B	C	A	B	C	A	B	C
	7	-	-	7	-	-	5	2	-	6	-	-
	24500 Kg			24500 Kg			22500 Kg			21000 Kg		

## Mecanismos - Mechanisms - Antriebe - Mécanismes - Meccanismi - Приводы

- 75 Hp (55Kw)-INV-5V  
400V-50/60HZ  
HBG 106m S/R Ø16
- HBG 200m S/R Ø16-LE

		m/min	0-15	0-30	0-35	0-64	0-140	0-7,5	0-15	0-17,5	0-32	0-70
	212 m	Kg	10000	10000	8000	4000	1000	20000	20000	16000	8000	2000
		Kw	55	55	55	55	55	55	55	55	55	55

- 110 Hp (80Kw)-INV-5V  
400V / 480V- 50/60 HZ  
HBG 330m S/R Ø16

		m/mln	0-15	0-30	0-51	0-95	0-152	0-7,5	0-15	0-25,5	0-47,5	0-76
	660 m	Kg	10000	10000	8000	4000	1000	20000	20000	16000	8000	2000
		Kw	80	80	80	80	80	80	80	80	80	80

	m/min	15 / 45 / 90		
	Kw	11		
	r.p.m.	0,3	0,6	0,75
	Kw	2 x 15		
	m/mln	12 / 24		
	Nm	4 x 80		

### 75Hp (55Kw) - INV

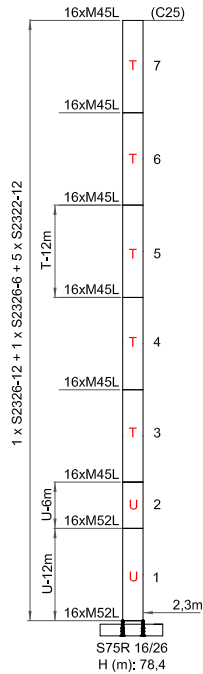
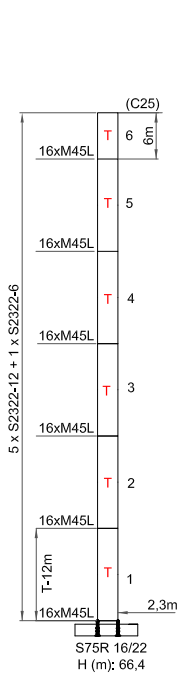
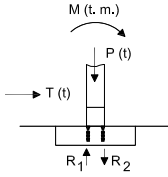
		400V 50Hz I <sub>max</sub> = 187A Fuse= 224A	TOTAL POWER 109 KVA	GENERATOR 200 KVA	100m 4x50mm <sup>2</sup>	150m 4x70mm <sup>2</sup>	200m 4x120mm <sup>2</sup>
2000/14/CEE /CEE	2006/95	480V 60Hz I <sub>max</sub> = 175A Fuse = 175A					

### 110Hp (80Kw) - INV

		400V 50Hz I <sub>max</sub> = 260A Fuse= 300A	TOTAL POWER 134 KVA	GENERATOR 280 KVA	100m 4x70mm <sup>2</sup>	150m 4x95mm <sup>2</sup>	200m 4x120mm <sup>2</sup>
2000/14/CEE /CEE	2006/95	480V 60Hz I <sub>max</sub> = 192A Fuse = 250A					

- \* Opcional / Optional / Opzionale
- Elevación / Holsting / Heben / Levage / Sollevamento
- Distribución / Trolleying / Katzfahren / Distribution / Distribuzione
- Orientación / Slewing / Schwenken / Orientation / Rotazione
- Traslacion / Travelling / Schlenenfahren / Translation / Traslazione
- Cable / Rope / Seil / Câble / Funo

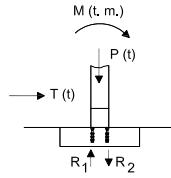
FEM 1005-C25 / EN 14439 - Mástil / Masts / Maste / Mat / Torre / Реакции



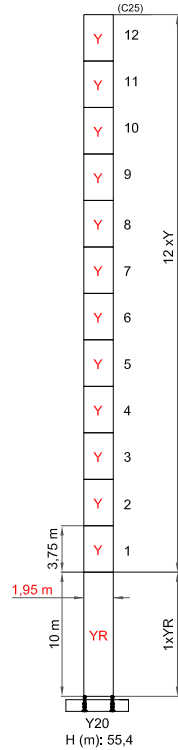
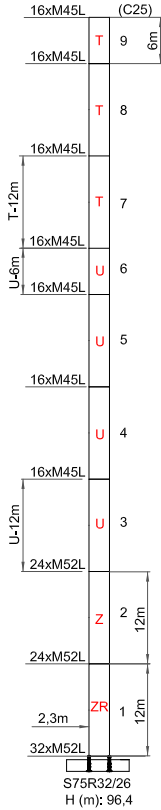
max. H(m)	FEM 1005 C25					
	U(12)	U(6)	T(12)	T(6)	T(3)	
45	66,4	1	1	4	-	-
50	66,4	1	1	4	-	-
55	66,4	1	-	4	1	-
60	66,4	1	-	4	1	-
65	66,4	-	1	5	-	-
70	66,4	-	-	5	1	-
75	66,4	-	-	5	1	-
80	66,4	-	-	5	1	-

max. H(m)	FEM 1005 C25					
	U(12)	U(6)	T(12)	T(6)	T(3)	
45	78,4	4	-	4	-	-
50	78,4	3	1	3	1	-
55	78,4	3	1	3	1	-
60	78,4	3	-	3	1	1
65	78,4	2	1	4	-	1
70	78,4	2	-	4	1	1
75	78,4	1	1	5	-	-
80	78,4	1	1	5	-	-

TLS

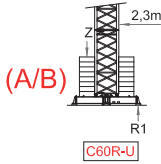


Y = S20 4/4 D73  
YR = S20R 4/4 D73

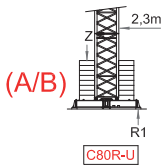


max. H(m) FEM 1005 (m)	max. H(m) C25	max. H(m)						
		ZR(12)	Z(12)	U(12)	U(6)	T(12)	T(6)	T(3)
45	96,4	1	1	3	1	2	1	-
50	96,4	1	1	3	1	2	1	-
55	96,4	1	1	3	1	2	1	-
60	96,4	1	1	2	1	3	1	-
65	96,4	1	1	2	1	3	1	-
70	96,4	1	1	2	-	4	-	-
75	93,4	1	1	1	1	4	-	1
80	93,4	1	1	1	1	4	-	1

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



max. H(m)	Z (t)			R1 (t)		
	FEM 1005 C25	FEM 1005 C25	FEM 1005 C25	T(12)	T(6)	T(3)
45	52,5	192	209	4	-	1
50	55,5	192	215	4	1	-
55	55,5	192	216	4	1	-
60	58,5	192	218	4	1	1
65	58,5	192	217	4	1	1
70	58,5	176	214	4	1	1
75	61,5	176	218	5	-	-
80	61,5	176	212	5	-	-

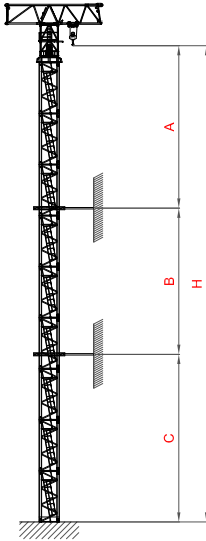


max. H(m)	Z (t)			R1 (t)					
	FEM 1005 C25	FEM 1005 C25	FEM 1005 C25	U(12)	U(6)	T(12)	T(6)	T(3)	
45	64,5	144	192	1	1	3	1	1	
50	64,5	144	187	1	1	3	1	1	
55	64,5	144	189	1	-	4	-	1	
60	64,5	128	182	1	-	4	-	1	
65	64,5	128	183	-	1	4	1	1	
70	64,5	128	186	-	-	5	-	1	
75	67,5	128	186	-	-	5	1	-	
80	67,5	128	180	-	-	5	1	-	

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

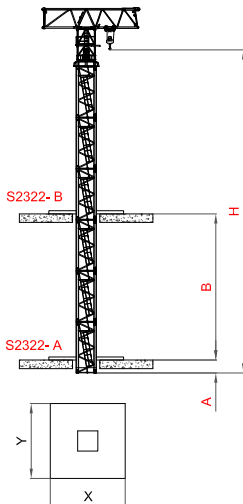
Proceso de trepado - External climbing - Kletterkrane - Telescopable - Sopralzo idraulico - Процесс наращивания крана

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



A max. (m)	45
B mln/max. (m)	24 / 42
C mln/max. (m)	30 / 60
H max. (m)	①

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



	S 23 22			
A mx. (m)	2	2	2	2
B mln. (m)	10	12	14	16
H max. (m)	36	44	50	54
X (m)	3			
Y (m)	2,5			

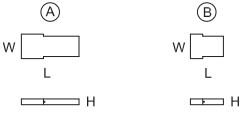
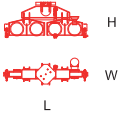
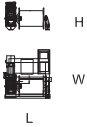
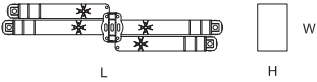
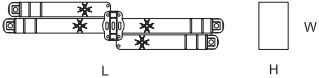
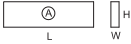
① Consultarnos - Consultateci - Consult us - Nous consulter - Auf anfrage -  
Другие высоты подъема и наращивания крана по запросу

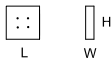
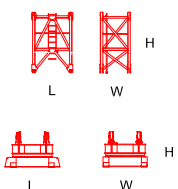
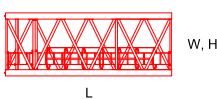


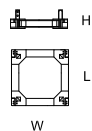


Dimensiones y transporte - dimensions and transport - Abmessungen und Transport - dimensions et des transporte - dimensioni e trasporti - Размеры и транспорта

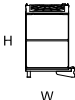
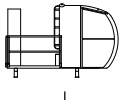
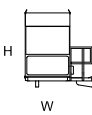
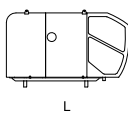


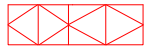



	L(m)	W(m)	H(m)	Peso(Kg)	
<b>Pluma tramo primero</b> / Jib heel section / Ausleger-Anlenkstück / Pied de fleche / Settore articolato di braccio / Корневая секция стрелы					
	11,3	1,78	2,45	11500	
<b>Elemento Intermedio de pluma</b> / Intermediate jib section / Ausleger-Zwischenstück / Element interm. de fleche / Spezzone di braccio / Промежуточная секция стрелы					
	14	10,45	1,65	2,45	5250
	15	10,4	1,65	2,42	4180
	16	10,35	1,65	2,36	3200
	17	10,35	1,65	2,36	2500
	5	5,3	1,65	2,07	1120
	6	5,3	1,65	2,07	950
	7	5,26	1,65	2,02	840
	8	5,25	1,65	1,67	740
	9	5,21	1,65	1,67	605
	10	5,18	1,65	1,65	505
	11	5,15	1,65	1,65	380
<b>Carro, Gancho y Puntera</b> / Trolley, Hook and jib head / Lasthaken - Laufkatze-Cabeça de Lança / Charlot - Crochet - Pointe de fleche / Carrello, Gancho e Punta freccia / Крюк и грузовая тележка					
	2,71	2,57	1,71	860	
	1,24	0,64	1,75	925	
	0,7	1,9	1,3	235	
<b>Contrapluma 1</b> / Counter-jib 1 / Gegenausleger 1 / Contre-fleche 1 / Controbraccio 1 / Консоль противовеса 1 / Консоль противовеса 1					
	11,94	1,66	0,75	4990	
<b>Contrapluma 1-A</b> / Counter-jib 1-A / Gegenausleger 1-A / Contre-fleche 1-A / Controbraccio 1-A / / Консоль противовеса 1-A / Консоль противовеса 1-A					
	5,3	1,78	2,41	2700	
<b>Contrapluma 2</b> / Counter-jib 2 / Gegenausleger 2 / Contre-fleche 2 / Controbraccio 2 / / Консоль противовеса 2 / Консоль противовеса 2					
	5,55	1,75	0,83	2550	
<b>Elemento de empotre</b> / Foundation anchor / Fundamentanker / Pleds de scellement / El anegare / Анкерные крепления					
	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
	S75R32/26	0,5	0,5	3	3500
	Dima	2,31	2,34	0,8	1650
(x4)	YR 4/4 D73	0,5	0,5	2	500

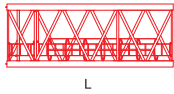
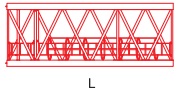
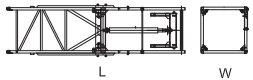
TLS

	L(m)	W(m)	H(m)	Peso(Kg)	
<p><b>Bloque de contrapeso</b> / Counterweight blocks / Gegengewichtsblöcke / Bloc de contrepoids / Blocco di contrappeso / Плита противовеса</p> 	A	3,4	1,55	0,29	3500
	B	2,4	1,55	0,29	2500
<p><b>Traslacion</b> / Travelling bogies / Kranfahren / Traslacion / Traslazione</p> 	(x4)	2,94	1,25	0,97	3102
<p><b>Equipo de elevacion</b> / Hoist winch / Heben / Levage / Sollevamento</p> 		2	2,1	2	3500
<p><b>Base C60R-U</b> / base C60R-U / Hauptträger für fundamentkreuz C60R-U / Base C60R-U / Base C60R-U</p> 		9,01	1,94	1,45	13500
<p><b>Base C80R-U</b> / base C80R-U / Hauptträger für fundamentkreuz C80R-U / Base C80R-U / Base C80R-U</p> 		11,8	1,94	1,45	17200
<p><b>Bloque lastre de base</b> / Base ballast block / Grundballastblöcke / Bloc de lest de base / Blocco di zavorra alla base</p> 		4,5	0,51	0,9	5000
		5,8	0,4	1,5	8000

	L(m)	W(m)	H(m)	Peso(Kg)	
<b>Bloque apoyo de base</b> / Base support block / Grundballastblöcke / Bloc de appui de base / Blocco di appoggio alla base  	2	0,5	2	5000	
<b>Unidad de rotacion S23</b> / Complete slewing unit S23 / Drehbühne S23 / Orientation S23 / Rotazione S23 / Оголовок башни S23  	2,22	1,64	3,28	2650	
<b>Elemento de torre S23</b> / Tower section S23 / Turmstück S23 / Elément de mât S23 / Elemento di torre S23 / Башенные секции S23  	T T U U Z Z ZR ZR ZZR	6 12 6 12 6 12 6 12 12	2,27 2,27 2,31 2,31 2,31 2,31 2,31 2,31 2,31	2,29 2,29 2,34 2,34 2,55 2,55 2,55 2,55 2,55	4780 9000 6200 11180 7825 15064 7925 15200 15325
<b>Elemento de torre S24</b> / Tower section S24 / Turmstück S24 / Elément de mât S24 / Elemento di torre S24 / Башенные секции S24  	R	5,9	2,42	2,37	4200
<b>Elemento de torre Y20</b> / Tower section Y20 / Turmstück Y20 / Elément de mât Y20 / Elemento di torre Y20 / Башенные секции Y20  	Y(S20) YR(S20R)	4,15 10,3	1,95 1,95	1,95 1,95	3020 7065
<b>Tramo adaptacion S23/Y</b> / Adaptation section S23/Y / Abschnitt Adaption S23/Y / Section Adaptation S23/Y / Sezione adattamento S23/Y / Раздел адаптации S23/Y  		2,30	2,34	0,76	4100

TLS

		L(m)	W(m)	H(m)	Peso(Kg)	
<b>Cabina y soporte</b> / Cabin and platform / Kabine und wartungs / Cabine et support / Cabina e supporto / Кабина с основой						
		LUXE	3,86	2,03	2,42	1830
		NT	4,00	2,30	2,48	2330
<b>Marco trepado externo</b> / Tie-frame / Cadre d'encrage externe / Sopralzo con ancoraggio esterno / внешняя рамка пристежки						
	H	T/U	3,52	3,49	0,42	3900
	w L	Y	3,52	3,49	0,42	1850
<b>Jaula de telescopaje tipo S23</b> / Climbing cage type S23 / Hydraulkbühne S23 / Cage de telescopage type S23 / Gabbia di montaggio S23 / Монтажная обойма S23						
<b>Completa</b> / Full / Vollständig / Complete / completa / полный						
	L		11,6	3,2	3,3	13500
	H W					9550
<b>Estructura</b> / Steel frame / Struktur / Construction / Struttura / структура						
<b>Hidraulico y accesorios</b> / Hydraulic and accessories / Hydraulik-und Zubehör / hydraulique et accessoires / idrauliche ed accessori / Гидравлические и аксессуары						
<b>Marco trepado Interno S23</b> / Floor climbing frame S23 / Cadre d'encrage interne S23 / Sopralzo interno S23 / внешняя рамка пристежки S23 / внутренняя рамка пристежки S23						
	H		3,2	2,8	0,6	4720
	w L					3081

	L(m)	W(m)	H(m)	Peso(Kg)	
<p><b>Tramo trep. A S23</b> / Tower section A S23 / Turmstück A S23 / Élément de mât A S23 / Elemento di torre a S23 / Башенные секции A S23 / Башенные секции A S23</p> 	A	6	2,27	2,29	4854
<p><b>Tramo trep. B S23</b> / Tower section B S23 / Turmstück B S23 / Élément de mât B S23 / Elemento di torre B S23 / Башенные секции B S23 / Башенные секции B S23</p> 	B	6	2,27	2,29	4850
<p><b>Jaula de telescopaje tipo Y20</b> / Climbing cage type Y20 / Hydraulikbühne Y20 / Cage de telescopage type Y20 / Gabbia di montaggio Y20 / Монтажная обойма Y20</p> 	H	9,80	2,9	2,9	8500
<p><b>Completa</b> / Full / Vollständige / Complete / completa / полный</p>					6000
<p><b>Estructura</b> / Steel frame / Struktur / Construction / Struttura / структура</p>					2500
<p><b>Hidraulico y accesorios</b> / Hydraulic and accessories / Hydraulik-und Zubehör / hydraulique et accessoires / Idrauliche ed accessori / Гидравлические и аксессуары</p>					



11x40" HC + 2x40" OT - HBG 30 m



x 12 - HBG 30 m