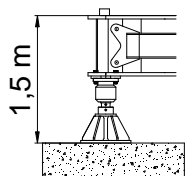
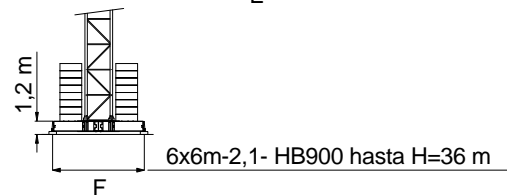
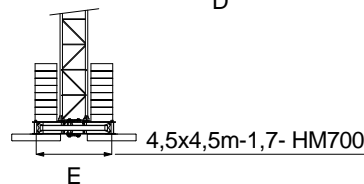
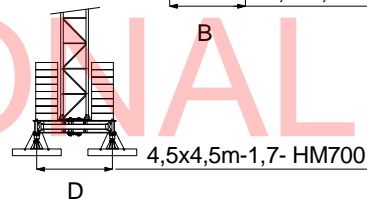
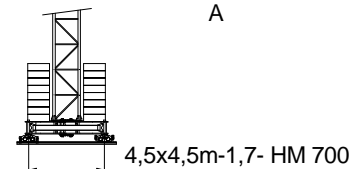
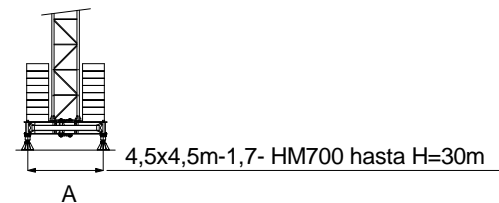
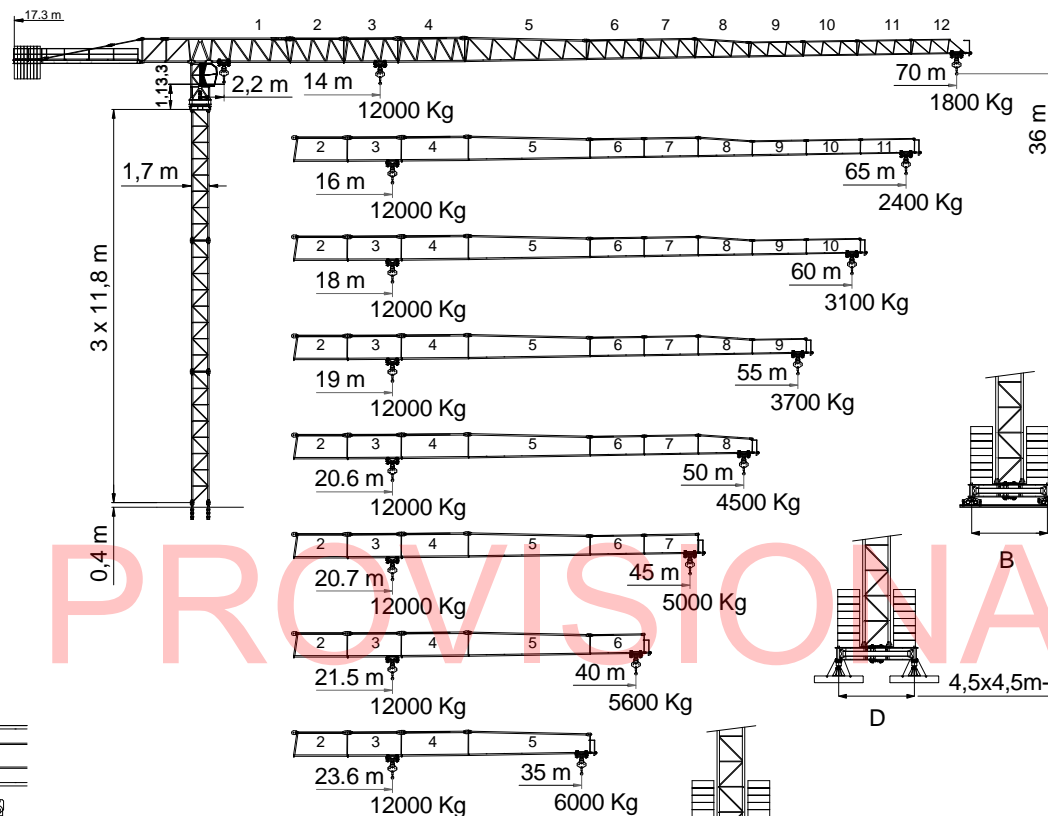
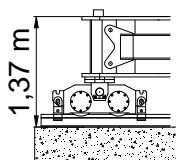




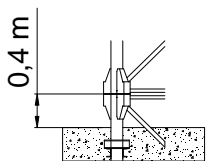
TLS 7012



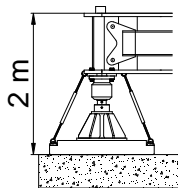
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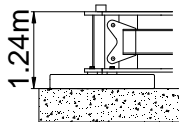
B(OPTIONAL)



C



D



E(4.5x4.5)

DIN/FEM

EN 14439-FEM 1005- C25

REV 000. SEP 2012

Viento max. fuerza de servicio 150km/h

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


70 m 	10	15	20	25	26.5	30	35	40	45	50	55	60	65	70	m	
	6000	6000	6000	6000	6000	5207	4343	3700	3203	2808	2486	2219	1993	1800	Kg	
65 m 	5	10	14	15	20	30	35	40	45	50	55	60	65	70	m	
	12000	12000	12000	11304	8100	5007	4143	3500	3003	2608	2286	2019	1793	1600	Kg	
60 m 	10	15	20	25	30	30.4	35	40	45	50	55	60	65	m		
	6000	6000	6000	6000	6000	6000	5109	4368	3795	3340	2969	2660	2400	Kg		
60 m 	10	15	16	20	25	30	35	40	45	50	55	60	65	m		
	12000	12000	12000	9471	7317	5905	4909	4168	3595	3140	2769	2460	2200	Kg		
60 m 	10	15	20	25	30	34.3	35	40	45	50	55	60	m			
	6000	6000	6000	6000	6000	6000	5872	5033	4385	3869	3449	3100	Kg			
60 m 	10	15	18	20	25	30	35	40	45	50	55	60	m			
	12000	12000	12000	10837	8398	6800	5672	4833	4185	3669	3249	2900	Kg			
55 m 	10	15	20	25	30	35	36.3	40	45	50	55	m				
	6000	6000	6000	6000	6000	6000	6000	5381	4693	4146	3700	Kg				
55 m 	10	15	19.3	20	25	30	35	40	45	50	55	m				
	12000	12000	12000	11550	8963	7267	6071	5181	4493	3946	3500	Kg				
50 m 	10	15	20	25	30	35	38.9	40	45	50	m					
	6000	6000	6000	6000	6000	6000	6000	5826	5088	4500	Kg					
50 m 	10	15	20	20.6	25	30	35	40	45	50	m					
	12000	12000	12000	12000	9685	7866	6581	5626	4888	4300	Kg					

PROVISIONAL


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

45 m


10	15	20	25	30	35	38.4	40	45
6000	6000	6000	6000	6000	6000	6000	5727	5000


m
Kg 

10	15	20	20.7	25	30	35	40	45
12000	12000	12000	12000	9708	7884	6597	5640	4900


m
Kg 

40 m


10	15	20	25	30	35	35.3	40
6000	6000	6000	6000	6000	6000	6000	5600


m
Kg 

10	15	20	21.5	25	30	35	40
12000	12000	12000	12000	10131	8234	6896	5900


m
Kg 

35 m


10	15	20	25	30	35
6000	6000	6000	6000	6000	6000

m
Kg 

10	15	20	23.6	25	30	35
12000	12000	12000	12000	11269	9176	6600

m
Kg 

PROVISIONAL

**Mecanismos
Mechanisms
Antriebe
Mécanismes
Meccanismi**

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

		m/min	0--40	0--46	0--71	0--103	0--20	0--23	0--35	0--51
		Kg	5000	3500	2000	1250	10000	7000	4000	2500
		Kw	33	33	33	33	33	33	33	33

	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		

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


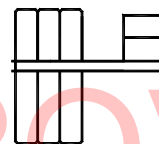
		400 V	100m
		50 Hz	4x35mm ²
<small>2000/14/CEE 2005/88/CEE</small>		2006/95 /CEE	

GENERADOR	POTENCIA INSTALADA
300 kVA	60 KW

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

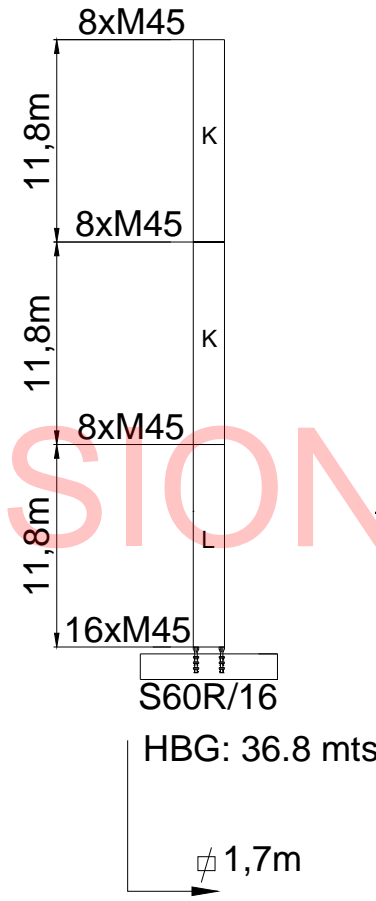
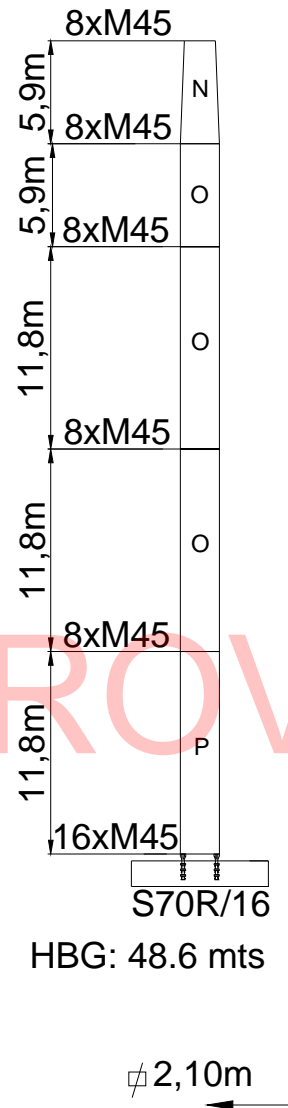
OPCIONAL

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

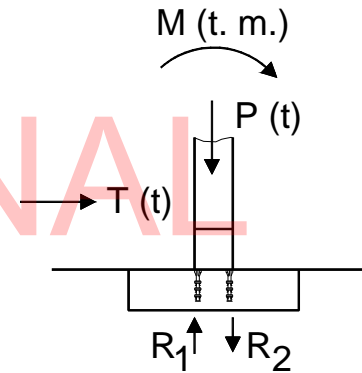
	70 m		
	A	B	C
	8	-	-
	20000 Kg		

FEM 1005-C25 / EN 14439

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

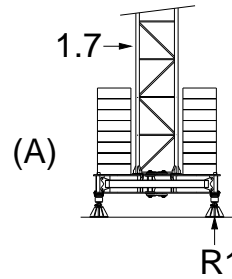


K = S17 8/8
L = S17 16/8
N = S21-S17 8/8
O = S21 8/8
P = S21 16/8



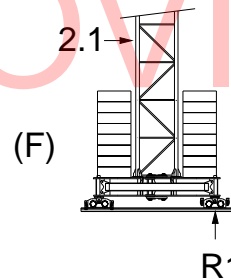
FEM 1005-C25 / EN 14439

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



4,5 x 4,5 m-1,7-HM 700	R1 (t)	--
	H (m)	30 m
	Z (t)	--

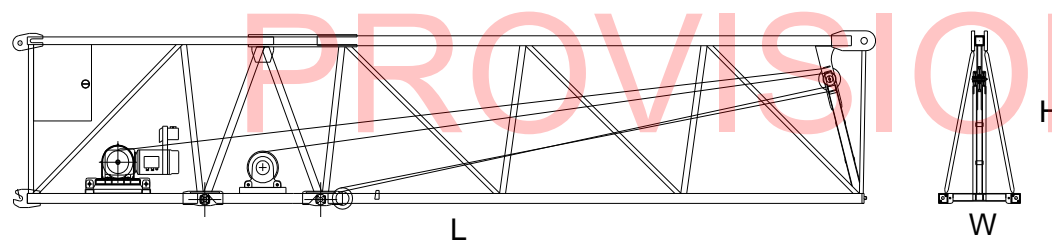
PROVISIONAL



6 x 6 m- 2.1 - HB900	R1 (t)	--
	H (m)	36 m
	Z (t)	--

L(m) W(m) H(m) Peso(Kg)

Pluma tramo primero / Jib heel section / Ausleger-Anlenkstück / Pied de fleche /
Settore articolato di braccio

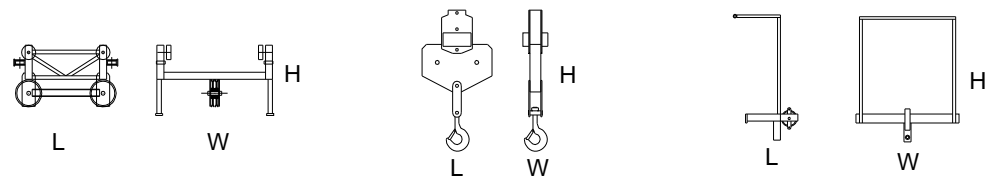
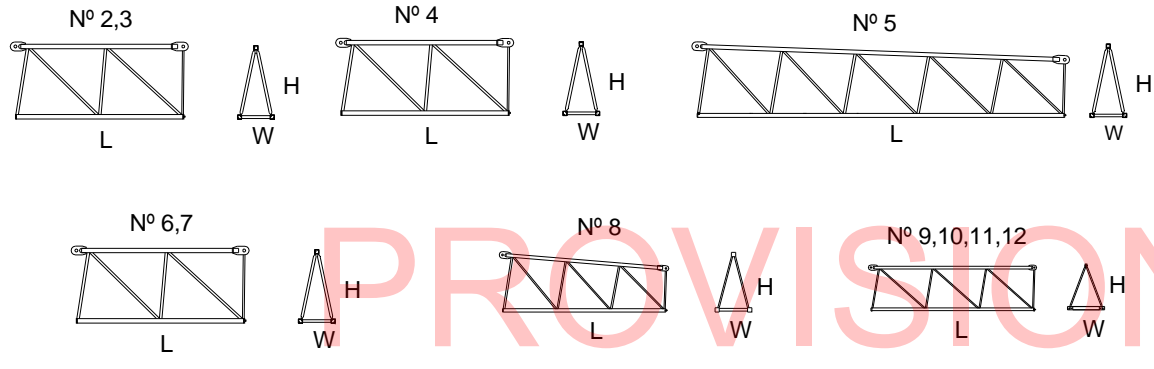


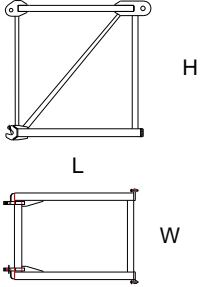
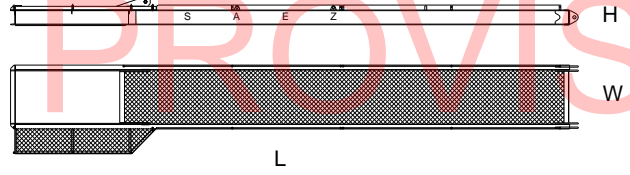
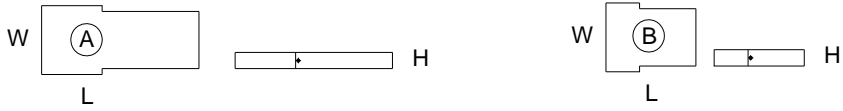
11,90 1.5 2,30 6200

TLS 7012 6-12T



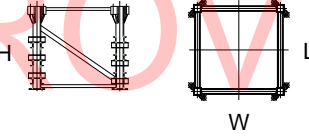
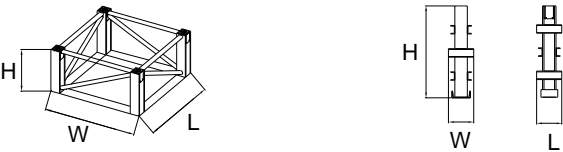


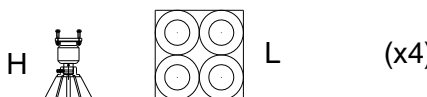
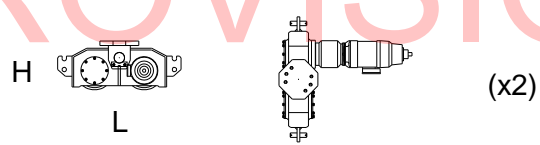
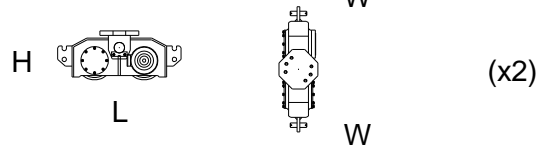
		L(m)	W(m)	H(m)	Peso(Kg)	
Elemento intermedio de pluma / Intermediate jib section / Ausleger-Zwischenstück Elément intern. de fleche / Spezzione di braccio		2	5.30	1,5	2,25	1600
		3	5.3	1,5	2.25	1500
		4	6.35	1,5	2.25	1350
		5	11.6	1,5	1,80	1500
		6	5,30	1,5	1,80	736
		7	5,30	1,5	1.8	630
		8	5,30	1,5	1,45	545
		9	5,15	1,5	1,45	484
		10	5,15	1,5	1,45	396
		11	5,15	1,5	1,45	360
		12	5,15	1,5	1,45	280
Gancho, Carro y Puntera / Hook, Trolley and jib head / Lasthaken - Laufkatze-Cabeça de Lança Crochet - Chariot-Pointe de fleche / Gancio - Carrello e Punta freccia		1,20	1,65	0,80	290	
		0,80	0,15	1,50	330	
		0,80	1,60	1,40	108	



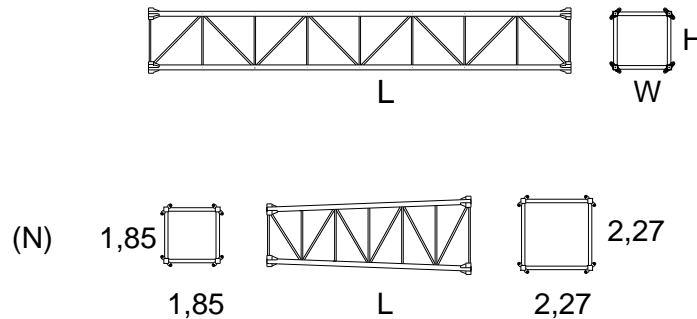
	L(m)	W(m)	H(m)	Peso(Kg)
<p>Colin / Counter-jib / Gegenausleger / Contre-fleche / Controbraccio</p> 	2.5	1.63	2.35	1500
<p>Contrapluma / Counter-jib / Gegenausleger / Contre-fleche / Controbraccio</p> 	11,94	1,80	0,60	2575
<p>Bloque de contrapeso / Counterweight blocks / Gegengewichtsblöcke / Bloc de contrepoids / Blocco di contrappeso</p> 	3,20	1,25	0,29	2500
	1,83	1,25	0,29	1500

	L(m)	W(m)	H(m)	Peso(Kg)
<p>Base Cruciforme 4,5 X4,5 / 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

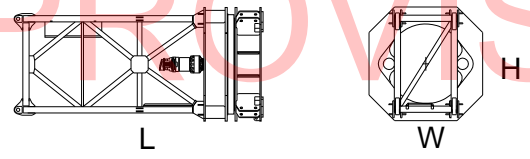
		L(m)	W(m)	H(m)	Peso(Kg)	
Bloque lastre de base / Base ballast block / Grundballastblöcke / Bloc de lest de base Blocco di zavorra alla base						
		4,40	0,30	1,20	3800	
Bloque apoyo de base / Base support block / Grundballastblöcke / Bloc de appui de base Blocco di appoggio alla base						
		3,75	0,5	1,2	5400	
Elemento de empotre / Foundation anchor / Fundamentanker / Élément de scellement El annegare						
		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 		Dima	2.31	2.34	0.8	1650

	L(m)	W(m)	H(m)	Peso(Kg)
Niveladores / Levellers / Spindel pyramide / Niveleurs / Piedi regolabile n.° 4 	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

	L(m)	W(m)	H(m)	Peso(Kg)
Elemento de torre TL16 / Tower section TL16 / Turmstück TL16 / Element de mât TL16 / Elemento di torre TL16	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 / Orientation / Rotazione

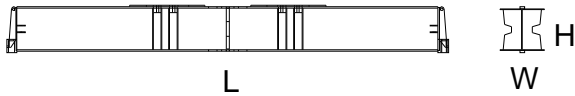
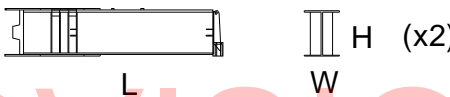
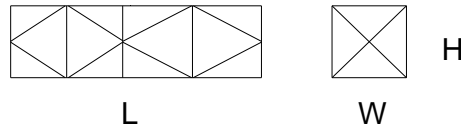
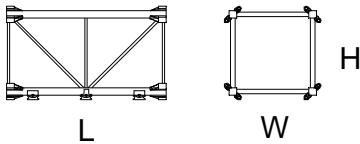


4,40	2,00	2,00	7200
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Cabina y soporte / Cabin and support / Kabine und wartungs / Cabine et support / Cabina e supporto



3,00	1,15	2,35	558
------	------	------	-----

	L(m)	W(m)	H(m)	Peso(Kg)
<p>Viga principal base 6x6 / Main base beam / Hauptträger für fundamentkreuz Poutre de châssis de base / Trave principale della base</p> 	8,65	0,78	0,92	4300
<p>Semiviga secundaria base 6x6 / Half base beam / Halbträger für fundamentkreuz Semipoutre de châssis de base / Semitrave secundaria della base</p> 	4,27	0,68	0,97	2025
<p>Caja de trepado-S17 / Climbing cage / Hydraulikbühne Cage de montage / Gabbia di montaggio</p> 	7,35	2,1	2,1	6400
<p>Tramo trepador / Tower element / Turmstück Element de mature / Elemento di torre monolitico</p> 	3	1,85	1,85	1425

ESPECIFICACIONES SUJETAS A MODIFICACIONES SIN PREVIO AVISO.

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.

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Ces renseignements sont sans garantie.

Le indicazioni contenute si intendono salvo errori ed omissioni.

PROVISIONAL