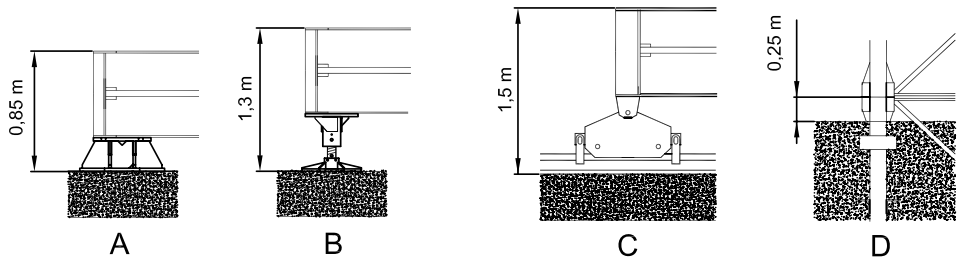
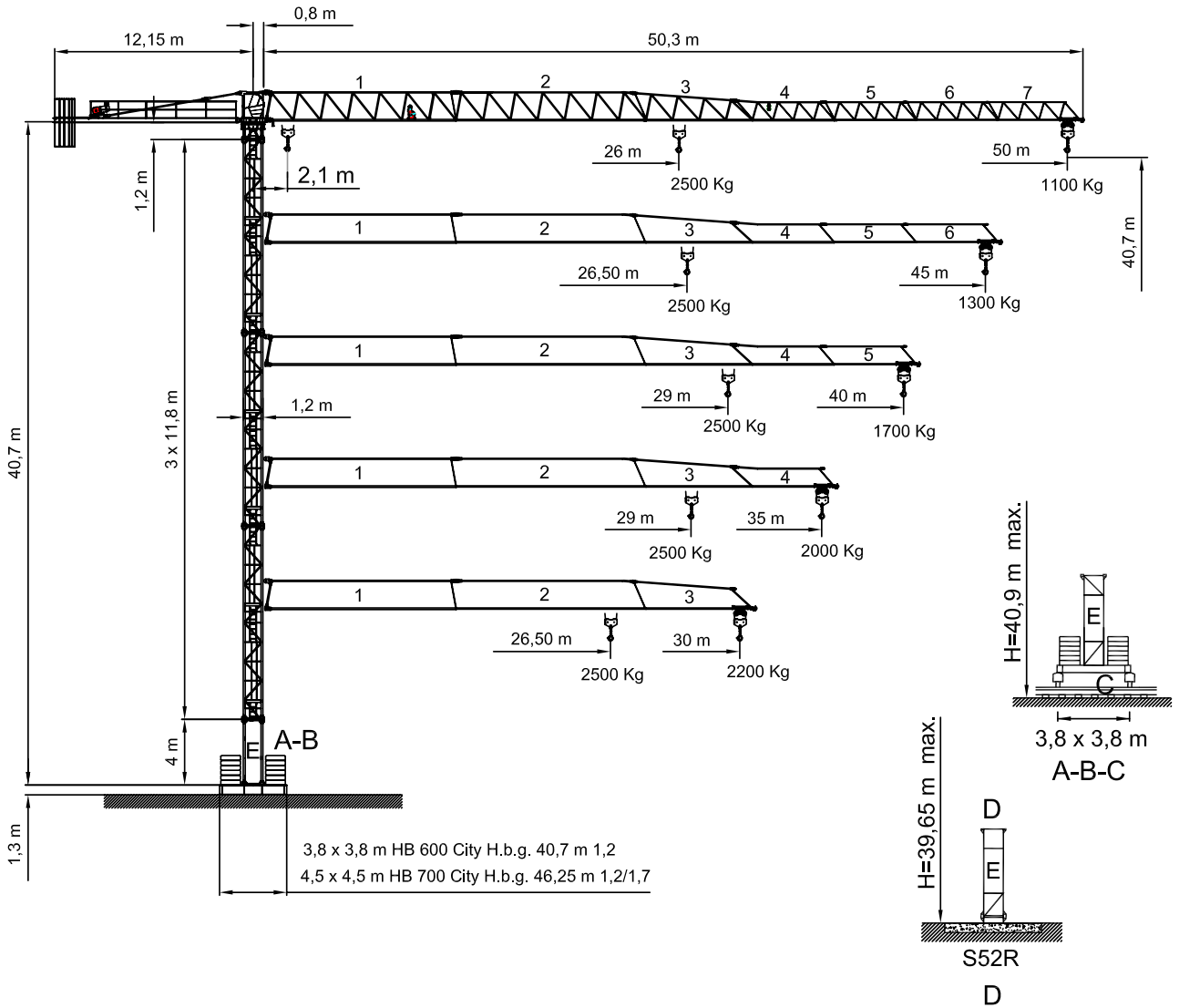
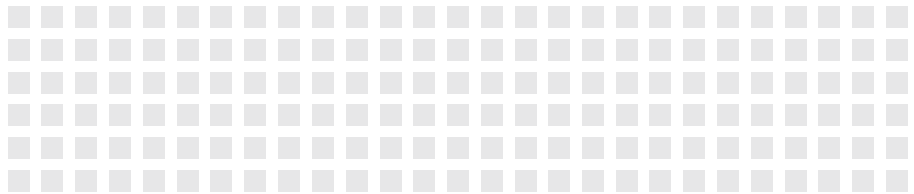
















TL 505 5T






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








50 m 	18	20	24	25	26	28	30	33	35	37	39	40	43	45	48	50	m	
	2500	2500	2500	2500	2500	2383	2181	1929	1786	1660	1548	1496	1357	1275	1165	1100	Kg	
	9	13,60	15	15,5	18	21	24	27	30	33	35	38	40	43	45	48	50	m
5000	5000	4773	4574	3770	3092	2603	2233	1944	1712	1581	1412	1314	1186	1111	1010	950	Kg	
45 m 	18	20	24	25	26	26,5	28	30	33	35	37	39	40	43	45	m		
	2500	2500	2500	2500	2500	2500	2424	2220	1964	1819	1691	1577	1525	1383	1300	Kg		
	9	13,9	15	16,5	18	21	24	27	30	33	35	38	40	43	45	m		
5000	5000	4905	4336	3877	3182	2680	2301	2005	1766	1632	1459	1359	1227	1150	Kg			
40 m 	18	20	24	25	26	28	29	30	33	35	37	39	40	m				
	2500	2500	2500	2500	2500	2500	2500	2458	2179	2021	1881	1757	1700	Kg				
	9	12	15,2	18	18,5	21	24	27	30	33	35	38	40	m				
5000	5000	5000	4338	4190	3568	3013	2593	2265	2001	1852	1660	1550	Kg					
35 m 	18	20	24	25	26	28	29	30	33	35	m							
	2500	2500	2500	2500	2500	2500	2500	2433	2156	2000	Kg							
	9	12	15,3	18	18,5	21	24	27	30	33	35	m						
5000	5000	5000	4140	4184	3563	3009	2589	2262	1998	1850	Kg							
30 m 	18	20	24	25	26	26,9	28	30	m									
	2500	2500	2500	2500	2500	2500	2402	2200	Kg									
	9	14,2	15	17,5	18	21	24	27	30	m								
5000	5000	5000	4102	3957	3248	2737	2351	2050	Kg									

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





	50 m		45 m			40 m		35 m		30 m	
	A	B	A	B	C	A	B	A	B	A	B
	3	2	3	1	1	3	1	2	2	2	1
	9700 Kg		9150 Kg			8300 Kg		7400 Kg		6000 Kg	




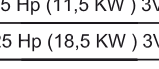
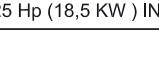

TL 505 5T

Mecanismos- Mechanisms- Antriebe- Mécanismes- Meccanismi







								
(SF19)25 Hp (18,5 Kw) 3V H.B.G. 84 S/R Ø10mm								
	 240 m	m/min	8	31	62	4	16	31
		Kg	2500	2500	1500	5000	5000	2600
		Kw	18,5	18,5	18,5	18,5	18,5	18,5
		m/min	30 / 60			30 / 60		
		Kw	1,1 / 1,8			1,1 / 1,8		
		r.p.m	0,3	0,6	0,9	0,3	0,6	0,9
		Nm	65			65		
		m/min	20			20		
		Kw	2 x 2,2			2 x 2,2		



* (SF19INV)25 Hp (18,5 Kw) INV
H.B.G. 94 S/R Ø10mm


								
	 265 m	m/min	8	31	62	4	16	31
		Kg	2500	2500	1500	5000	5000	2600
		Kw	18,5	18,5	18,5	18,5	18,5	18,5

 2000/14/CEE 2005/88/CEE	 2006/95 /CEE	400 V 50 Hz	* 460 V 60 Hz	* 25 Hp (18,5 Kw) 31 Kw / 120 kVA 15 Hp (11,5Kw) 3V 24 Kw / 90 kVA		25 m	50 m	100 m
						4 x 16 mm ²	4 x 16 mm ²	4 x 25 mm ²
						4 x 25 mm ²	4 x 25 mm ²	4 x 25 mm ²
						4 x 25 mm ²	4 x 25 mm ²	4 x 25 mm ²

* 15 Hp (11,5Kw) 3V
H.B.G. 84 S/R Ø10mm

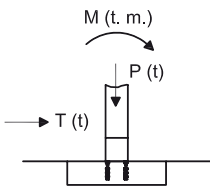
					
	 240 m	m/min	8	29	58
		Kg	2500	2500	1000
		Kw	11,5	11,5	11,5
		m/min	30 / 60		
		Kw	1,1 / 1,8		
		r.p.m	0,3	0,6	0,9
		Nm	65		
		m/min	20		
		Kw	2 x 2,2		

 2000/14/CEE 2005/88/CEE	 2006/95 /CEE	400 V 50 Hz	* 460 V 60 Hz	* 15 Hp (11.5 Kw) 3V
				24 KW / 90 kVA

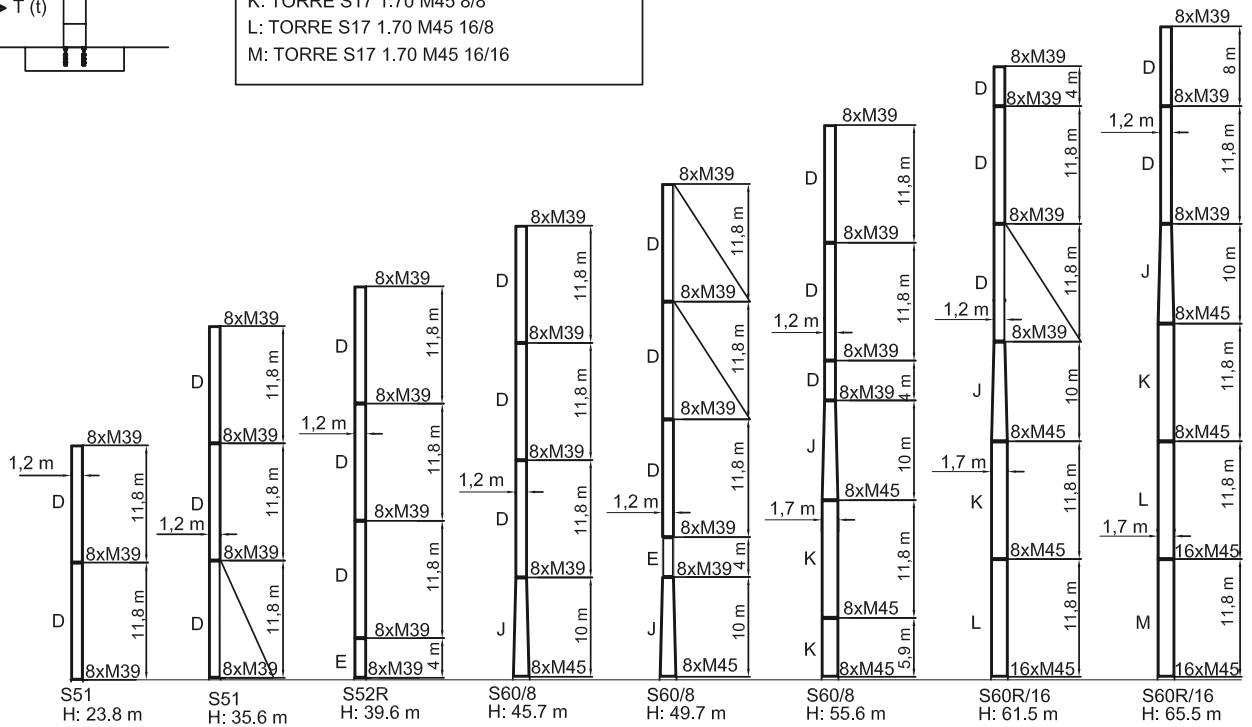
	25 m	50 m	100 m
15 Hp (11.5 KW) 3V	4 x 16 mm ²	4 x 16 mm ²	4 x 25 mm ²

- * Opcional / Optional / Opzionale /
- Elevación / Hoisting / Heben / Levage / Sollevamento
- ◀▶ Distribución / Trolleying / Katzfahren / Distribution / Distributions
- ⊙ Orientación / Slewing / Schwenken / Orientation / Rotazione
- ▬ Traslacion / Travelling / Schienenfahren / Translation / Traslazione

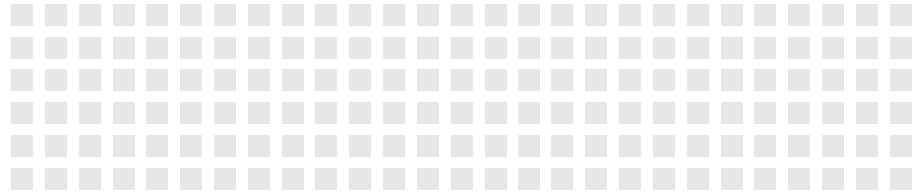
FEM 1005-C25 / EN 14439- Mástil / Reacciones- Masts / Reactions- Maste / Eckdrücke-
Mat / Réactions- Torre / Réazioni



D: TORRE S/TL 52-50 1.20 M39/M39 8/8
 E: TORRE TL 55 1.20 M39/M39 8/8
 J: CAMPANA S17 10m 1.20/1.70 M39/M45 8/8
 K: TORRE S17 1.70 M45 8/8
 L: TORRE S17 1.70 M45 16/8
 M: TORRE S17 1.70 M45 16/16

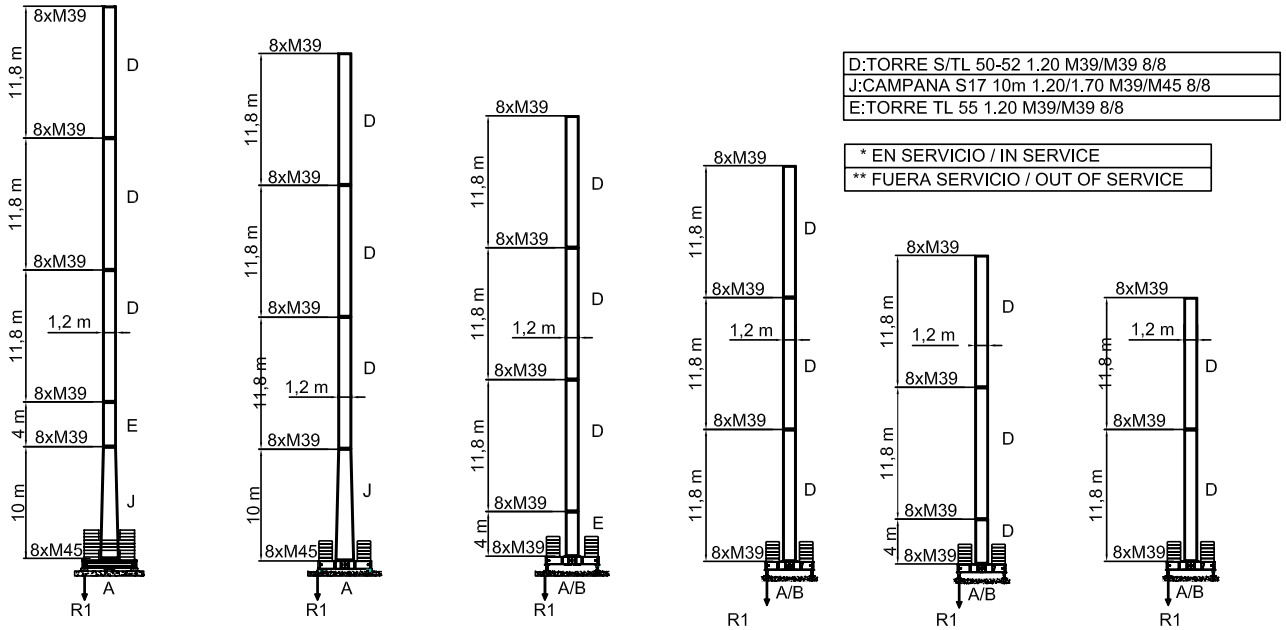


H (m)	23.85	35.6	39.6	45.7	49.7	55.6	61.5	65.5
M (T-m)	110	170	195.6	250	342	423	490	560
T (t)	4.6	6.4	7.1	7	10	11.2	12.2	13
P (t)	33.5	40.9	42.4	35.2	53.3	59	62.4	64



TL 505 5T

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

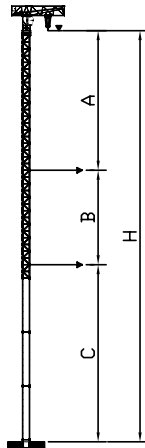


D:TORRE S/TL 50-52 1.20 M39/M39 8/8
J:CAMPANA S17 10m 1.20/1.70 M39/M45 8/8
E:TORRE TL 55 1.20 M39/M39 8/8

* EN SERVICIO / IN SERVICE
** FUERA SERVICIO / OUT OF SERVICE

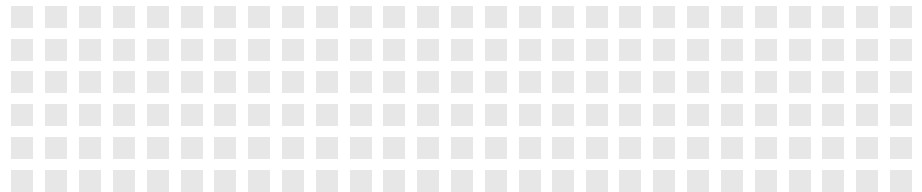
H(m): 50,6	H(m): 46,25	H(m): 40,7	H(m): 36,7	H(m): 28,9	H(m): 24,9
4,5x4,5m-1,7-HM 700	4,5x4,5 m-1,2/1,7-HB700	3,8X3,8m1,2 HB600	3,8 X 3,8 m 1,2 H.B 600	3,8 X 3,8 m 1,2 H.B 600	3,8 X 3,8 m 1,2 H.B 600
LASTRE: 121,6 Tn	LASTRE: 98,8 Tn	LASTRE: 83.6 Tn	LASTRE: 76 Tn	LASTRE: 45,6 Tn	LASTRE: 45,6 Tn
**R1= 97 Tn	*R1= 62,5 Tn	*R1= 63 Tn	*R1= 54,27 Tn	*R1= 41,42 Tn	*R1= 37,31 Tn
	**R1= 70,9 Tn	**R1= 57,36 Tn	**R1= 54,66 Tn	**R1= 35,83 Tn	**R1= 28,9 Tn

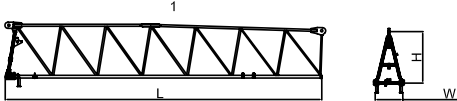
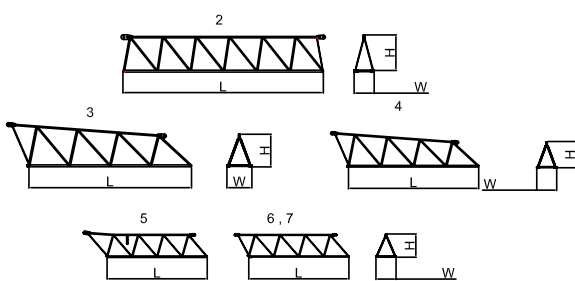
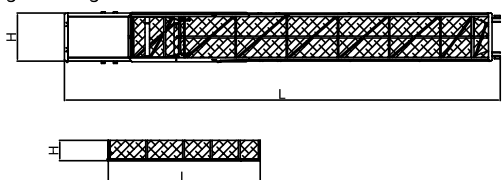
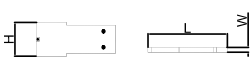
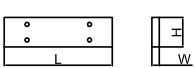
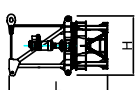
Proceso de trepado- External climbing- Kletterkrane- Telescopable- Sopralzo idraulico

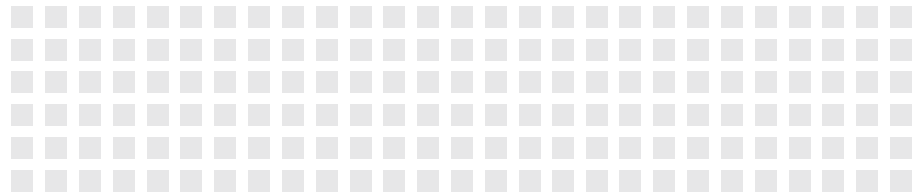


	MONOBLOCK SM110/3,85
	MTS
A max.	29
B max.	19
C max.	31
H max.	①


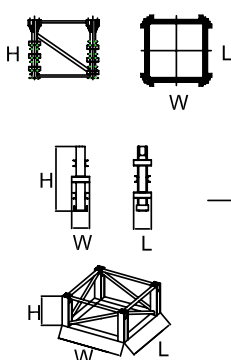

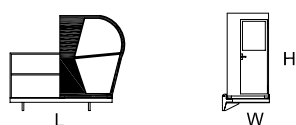
① Consultarnos-Consultateci-Consult us-Nous consulter-Auf anfrage


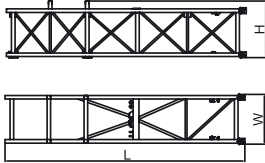
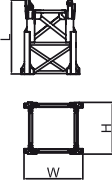
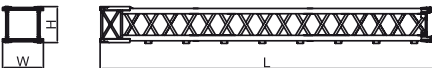
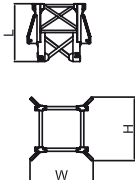




	L(m)	W(m)	H(m)	Peso(Kg)	
Pluma tramo primero / First jib section/Ausleger-Anlenkstück / Pied de flèche /Settore articolato di braccio 	1	11,74	1	1,7	1544
Elemento intermedio de pluma /Intermediate jib section / Ausleger-Zwischenstück Élément interm. de flèche / Spezzone di braccio 	2	11,7	1	1,7	1064
	3	6,5	1	1,3	502
	4	5	1	1,16	312
	5	5	1	1,16	262
	6	5	1	1,16	206
	7	5	1	1,16	154
Contrapluma / Counter-jib/Gegenausleger / Contre-flèche/Controbraccio 	11,49	0,28	1,28	1502	
	4,05	0,30	0,58	96	
Bloque de contrapeso / Counterweight blocks/Gegengewichtsblöcke / Bloc de contrepoids Blocco di contrappeso 	A	2,94	0,30	1,25	2300
	B	2,94	0,18	1,25	1400
	C	1,70	0,18	1,25	850
Bloque lastre de base / Base ballast block/Grundballastblöcke / Bloc de lest de base Blocco di zavorra alla base 	4,4	1,2	0,3	3800	
Cabeza de torre / Tower head/Turmspitze / Porte - flèche/Testa di torre 	2,94	1,8	1,7	2998	



TL 505 5T

	L(m)	W(m)	H(m)	Peso(Kg)
Elemento de torre / Tower section/Turmstück / Elément de mât				
Elemento di torre				
				
D	11,8	1,2	1,38	3017
D	8	1,2	1,38	2075
D	5,9	1,2	1,38	1560
D	4	1,2	1,38	1100
E	11,8	1,2	1,38	3782
E	8,0	1,2	1,38	2654
E	5,9	1,2	1,38	2090
E	4,0	1,2	1,38	1527
J	10	1,85	1,38	3520
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
M	11,8	1,85	1,85	5670
N	5,9	2,27	2,27	3500
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
Q	11,8	2,27	2,27	5900
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
Elemento de empotre / Foundation anchor / Fundamentanker / Pieds de scellement / El anegare				
				
S51	1,2	1,38	1,42	496
S52R	1,2	1,38	1,42	594
S60/8	1,85	1,85	1,6	956
S60R/16	1,85	1,85	1,6	1108
S70/8	2,28	2,28	1,6	1122
S70R/16	2,28	2,28	1,6	1274
S75R8/20	0,35	0,35	1,6	1200
S75R16/22	0,50	0,50	2	2840
S75R16/26	0,50	0,50	2,4	3160
S75R24/26	0,50	0,50	2,4	3400
DIMA	2,31	2,34	0,8	1650
Gancho y Carro / Hook and Trolley>Lasthaken - Laufkatze / Crochet - Chariot				
Gancio e Carrello				
				
	0,75	0,12	1,4	164
	0,96	1,10	0,62	184
Cabina y soporte / Cabin and platform / Kabine und wartungs / Cabine et support / Cabina e supporto				
				
	3,00	1,15	2,35	558

	L(m)	W(m)	H(m)	Peso(Kg)
Tramo trepador SM110 / Climbing tower section / Turmstück/ Mâtire télescopable / / Elemento di torre monolitico 	4,09	1,17	1,22	1420
Jaula de telescopaje SM110 / Climbing cage / Hydraulikbühne/Cage de télescopage / Gabbia di montaggio 	8.1	1,7	1,92	3840
Tramo de transición SM110-1.2/1.09 / Climbing connection frame / Turmstück Elément de transition / Telaio di raccordo a spinta 	1,74	1,38	1,21	811
Tramo de transición SM110-1.2/1.09 / Climbing connection frame / Turmstück Elément de transition / Telaio di raccordo a spinta 	11.2	1,38	1,21	4260
Tramo de enlace a cabina SM110-1.09/1.2 /Climbing cage connection frame / Turmstück Elément de connection pour la cage de télescopage / Telaio di raccordo a spinta 	1,5	1,65	1,65	875
Viga principal base 3.8 HB600 / Main base beam/Hauptträger für fundamentkreuz Poutre de châssis de base/Trave principale della base 	5,72	0,67	0,65	1570
Semiviga secundaria base 3.8 HB600 / Half base beam/Halbträger für fundamentkreuz Semipoutre de châssis de base /Semitrave secundaria della base 	2,77	0,45	0,665	800

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TL 505 5T