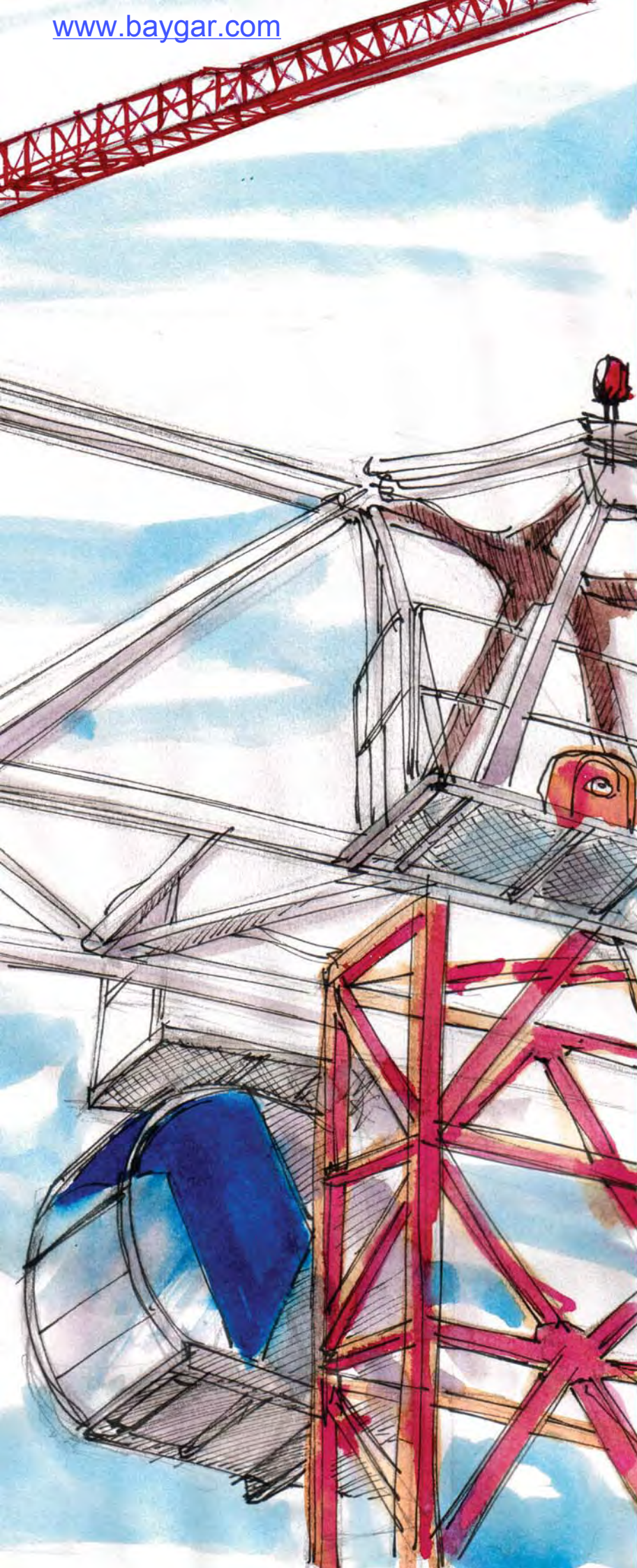
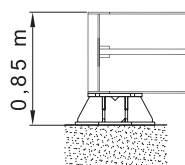
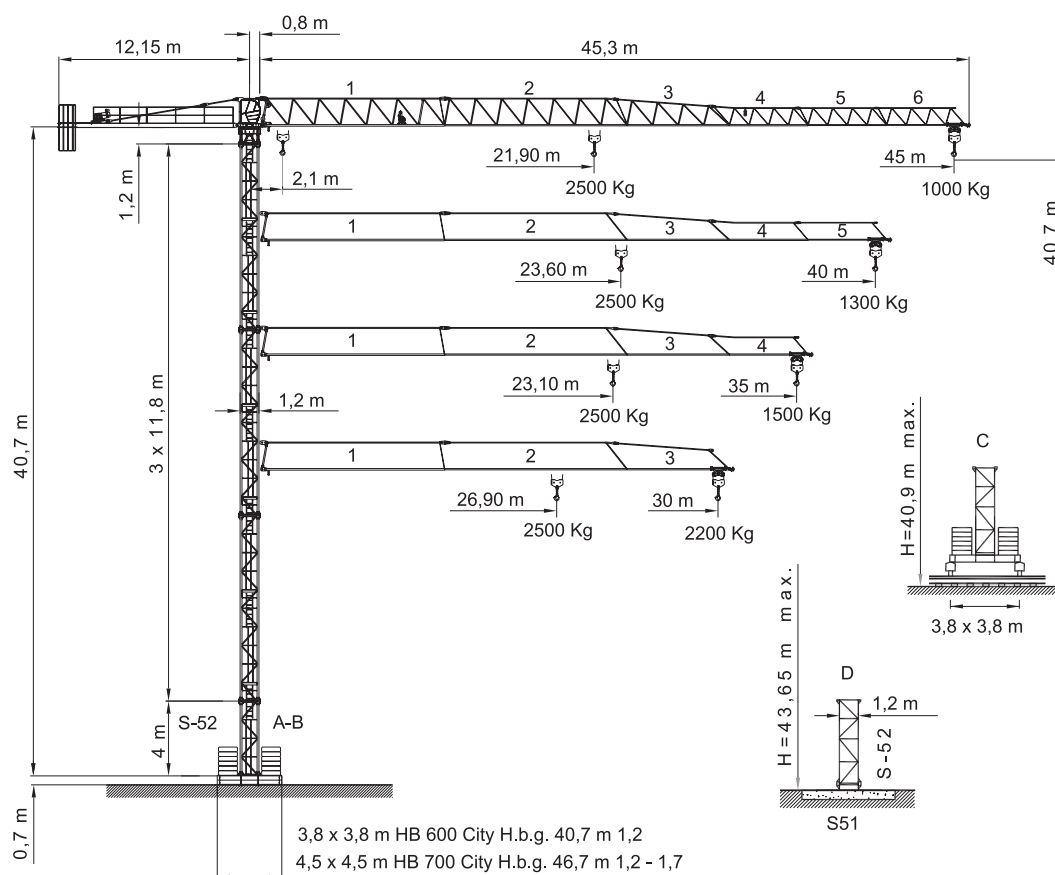


SAEZ

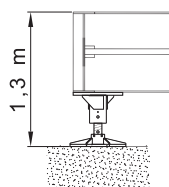
CRANES



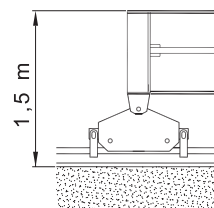
TL 452 4T



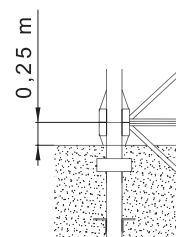
A



B



C



D

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

45 m 	12	16	18	20	21,9	24	25	26	28	30	33	35	37	39	40	43	45	m  Kg 
	2500	2500	2500	2500	2500	2244	2136	2036	1859	1706	1512	1402	1303	1215	1175	1065	1000	
	9	10	12	13,8	14	16	18	21	24	27	30	33	35	38	40	43	45	
	4000	4000	4000	4000	3961	3377	2929	2424	2049	1760	1530	1343	1237	1099	1019	912	850	

40 m 	12	16	18	20	23,6	24	25	26	28	30	33	35	37	39	40	m  Kg  m  Kg 
	2500	2500	2500	2500	2500	2455	2338	2230	2038	1873	1664	1544	1438	1343	1300	
	9	10	12	14	15	16	18	21	24	27	30	33	35	38	40	
	4000	4000	4000	4000	4000	3715	3228	2678	2270	1956	1706	1503	1387	1237	1150	

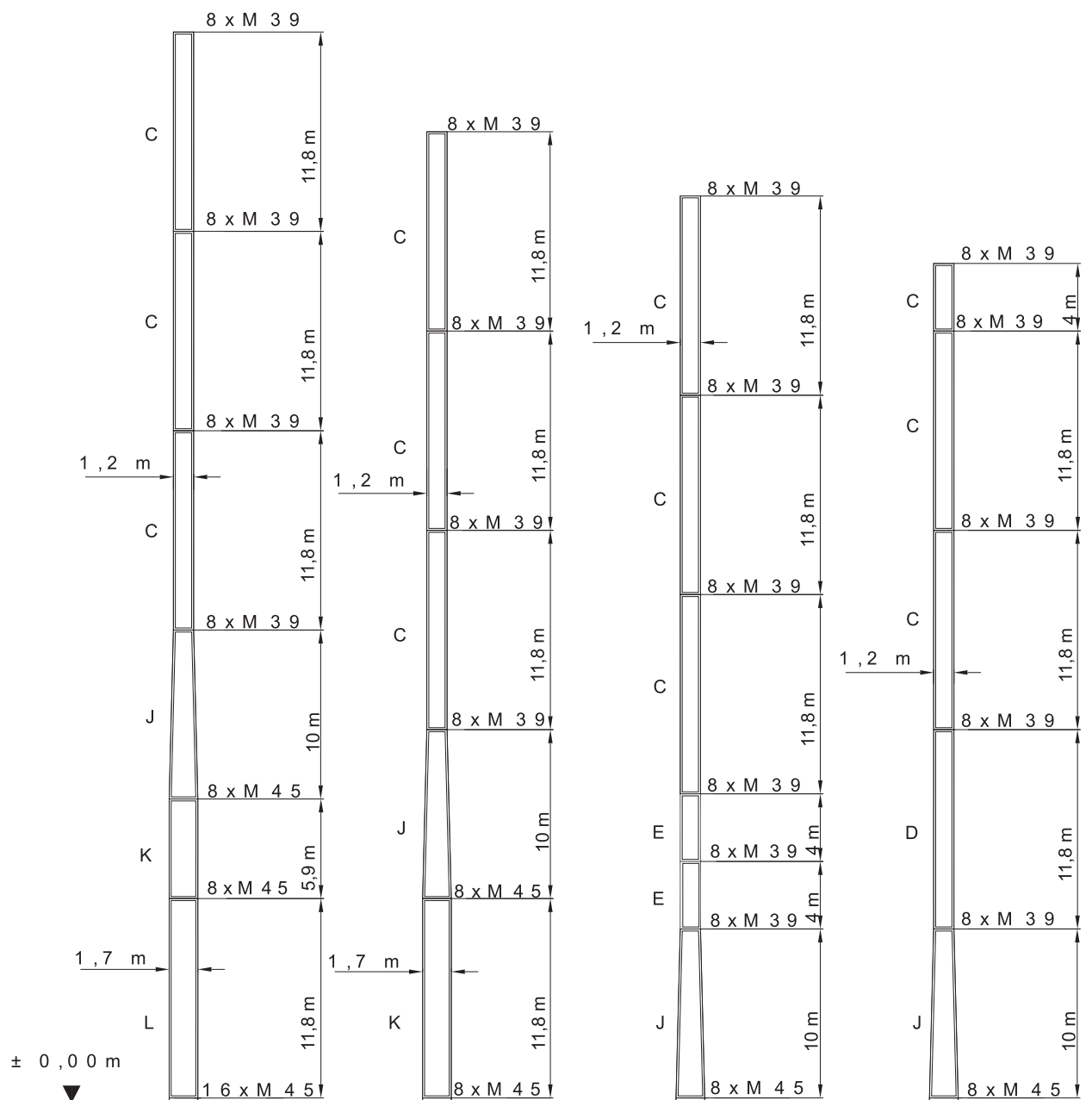
35 m 	12	16	18	20	23,1	24	25	26	28	30	33	35	m  Kg  m  Kg 
	2500	2500	2500	2500	2500	2389	2274	2169	1982	1821	1616	1500	
	9	10	12	14	14,7	16	18	21	24	27	30	33	
	4000	4000	4000	4000	4000	3631	3153	2614	2215	1907	1662	1463	

30 m 	12	16	18	20	24	25	26	26,9	28	30	m  Kg  m  Kg 	
	2500	2500	2500	2500	2500	2500	2500	2500	2389	2200		
	9	10	12	14	16	17,2	18	21	24	27		30
	4000	4000	4000	4000	4000	4000	3811	3175	2703	2339		2050

Windzone A-B / DIN 15019

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

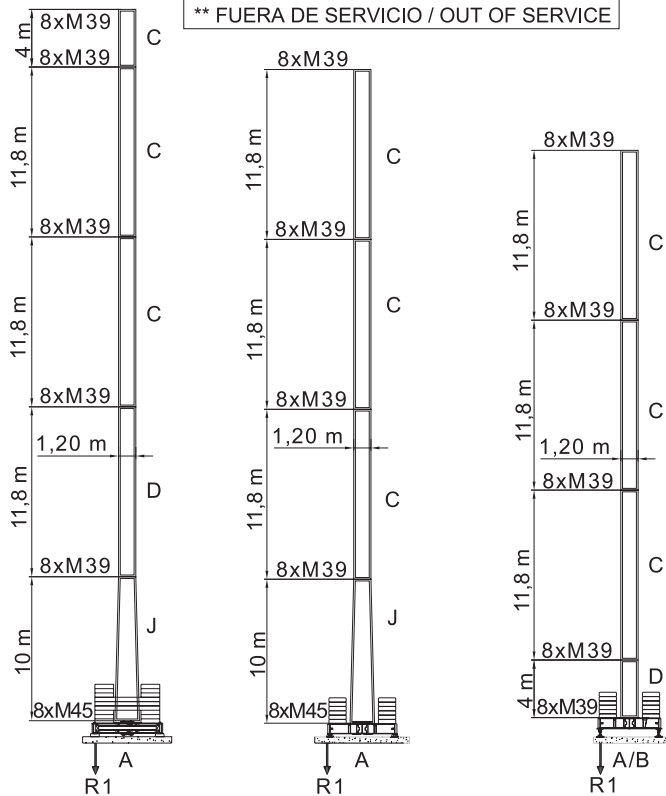
C: TORRE S/TL 36-41-46-40-45 1.20 M39/M39 8/8
D: TORRE S/TL 50-52 1.20 M39/M39 8/8
E: TORRE TL 55 1.20 M39/M39 8/8
J: CAMPANA S17 10m 1.20/1.70 M39/M45 8/8
K: TORRE S17 1.70 M45 8/8
L: TORRE S17 1.70 M45 16/8



S 6 0 R / 1 6	S 6 0 / 8	S 6 0 / 8	S 6 0 / 8
H : 6 3 , 4 m	H : 5 7 , 5 m	H : 5 3 , 7 m	H : 4 9 , 7 m
P (t) : 5 6 , 4 3	P (t) : 5 4	P (t) : 4 7 , 4 5	P (t) : 4 7 , 3 1
T (t) : 1 2 , 7 6	T (t) : 1 1 , 6 5	T (t) : 9	T (t) : 8 , 4 1

C:TORRE S/TL 36-41-46-40-45 1.20 M39/M39 8/8
D:TORRE S/TL 50-52 1.20 M39/M39 8/8
J:CAMPANA S17 10m 1.20/1.70 M39/M45 8/8

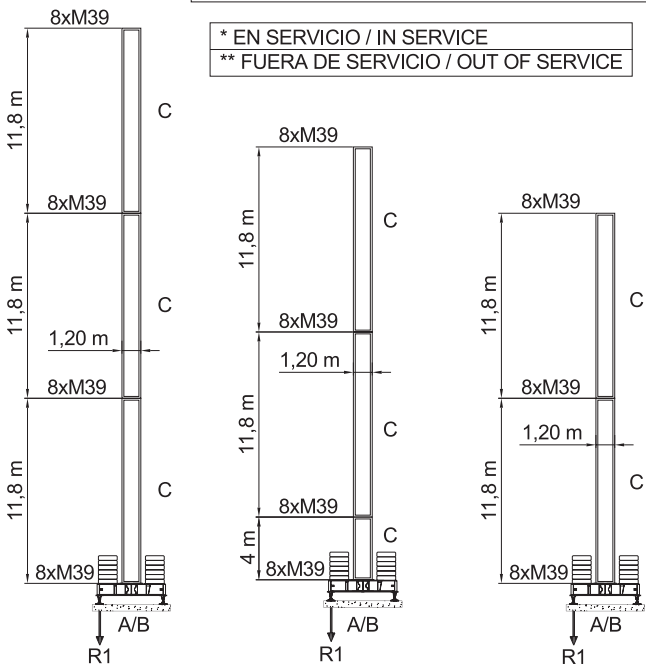
* EN SERVICIO / IN SERVICE
** FUERA DE SERVICIO / OUT OF SERVICE



H(m): 50,6	H(m): 46,5	H(m): 40,4
BASE 4,5x4,5 1,7 HM700	BASE 4,5x4,5 1,2/1,7 HB700	BASE 3,8x3,8 1,2 HB600
LASTRE: 121,6 Tn	LASTRE: 98,8 Tn	LASTRE: 76 Tn
	*R1= 62,5 Tn	*R1= 56,3 Tn
**R1= 97 Tn	**R1= 70,9 Tn	**R1= 62,3 Tn

C:TORRE S/TL 36-41-46-40-45 1.20 M39/M39 8/8

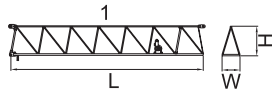
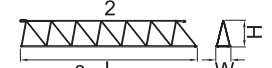
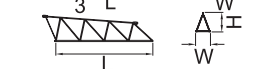
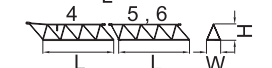
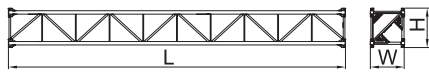
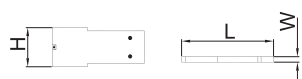
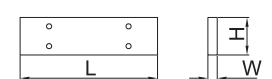
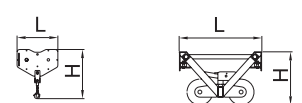
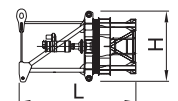
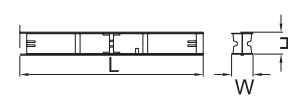
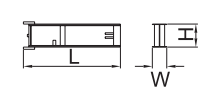
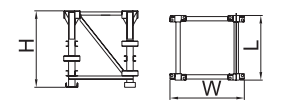
* EN SERVICIO / IN SERVICE
** FUERA DE SERVICIO / OUT OF SERVICE



H(m): 36,4	H(m): 28,6	H(m): 24,6
BASE 3,8x3,8 1,2 HB600	BASE 3,8x3,8 1,2 HB600	BASE 3,8x3,8 1,2 HB600
LASTRE: 76 Tn	LASTRE: 45,6 Tn	LASTRE: 45,6 Tn
*R1= 52 Tn	*R1= 39,3 Tn	*R1= 35,3 Tn
**R1= 54,4 Tn	**R1= 36 Tn	**R1= 29,2 Tn

Windzone A-B / DIN 15019

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

		L(m)	W(m)	H(m)	Peso(Kg)	
Pluma tramo primero / Jib heel 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 Elément interm. de flèche / Spezzone di braccio		2	11,74	1	1,7	1064
		3	6,5	1	1,31	502
		4	5	1	1,16	312
		5	5	1	1,16	262
		6	5	1	1,16	206
	Contrapluma / Counter-jib Gegenausleger / Contre-flèche Controbraccio			11,49	0,28	1,65
			4,05	0,30	0,58	96
Elemento de torre / Tower section Turmstück / Elément de mât Elemento di torre		C	11,8	1,2	1,38	2520
		C	8,0	1,2	1,38	1870
		C	5,9	1,2	1,38	1348
		C	4,0	1,2	1,38	1050
		D	11,8	1,2	1,38	3017
		D	8,0	1,2	1,38	2075
		D	5,9	1,2	1,38	1560
		D	4,0	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
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	
Gancho y Carro / Hook and Trolley Lasthaken - Laufkatze / Crochet - Chariot Gancio e Carrello		0,75	0,12	1,40	164	
		0,96	1,10	0,62	184	
Cabeza de torre / Tower head Turmspitze / Porte - flèche Testa di torre		2,94	1,8	1,7	2998	
Viga principal base / 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 / Half base beam Halbträger für fundamentkreuz Semipoutre de châssis de base Semitrave secundaria della base		2,77	0,45	0,665	800	
Elemento de empotre / Foundation anchor Fundamentanker / Élément de scellement El annegare		S51	1,2	1,38	1,42	496
		S60/8	1,85	1,85	1,6	956
		S60R/16	1,85	1,85	1,6	1108

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.

DECLINAMOS TODA RESPONSABILIDAD DERIVADA DE LA INFORMACION PROPORCIONADA.

This information is supplied without liability.

Sämtliche Angaben erfolgen ohne Gewähr.

Ces renseignements sont sans garantie.

Le indicazioni contenute si intendono salvo errori ed omissioni.

DIN/FEM 
UNE 58-101-92 FEM 1001-87
According to EC 98/37 instruction

Windzone A-B / DIN 15019

Viento max. fuerza de servicio 150km/h

Maximun wind speed out of service 150 km/h

Maximale windstärke, ohne Betrieb 150 km/h

Vent maximum, hors service 150 km/h

Vento max, fuori di servizio 150 km/h