

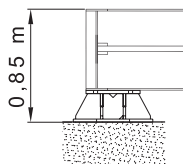
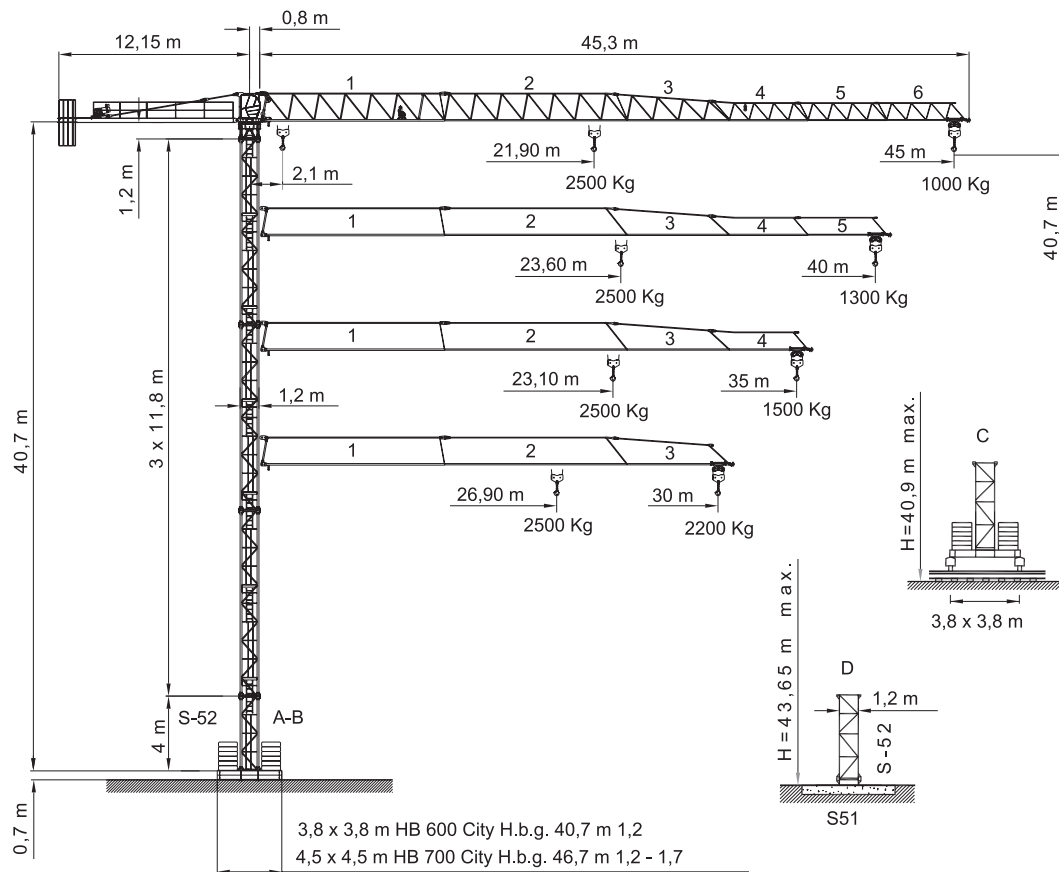
CRANES

**SÁENZ**

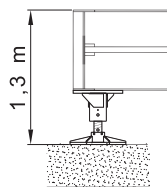
**TL 452 4T**

Courtesy of Crane.Market

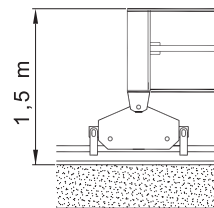




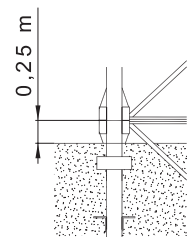
A



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	35					
	4000	4000	4000	4000	4000	3631	3153	2614	2215	1907	1662	1463	1350					
30 m 	12	16	18	20	24	25	26	26,9	28	30			m  Kg  m  Kg 					
	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							

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

Mecanismos  
Mechanisms  
Antriebe  
Mécanismes  
Meccanismi

	45 m		40 m		35 m			30 m	
	A	B	A	B	A	B	C	A	B
	3	1	2	2	2	1	1	2	1
	8300 Kg		7400 Kg		6850 Kg			6000 Kg	

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

		m/min	8	29	58	4	15	30
	240 m	Kg	2500	2500	1000	4000	4000	2500
		Kw	11,5	11,5	11,5	11,5	11,5	11,5
		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	1 x 65			1 x 65		
		m/min	20			20		
		Kw	2 x 2,2			2 x 2,2		

\* Opcional / Optional / Opzionale /

• Elevación / Hoisting / Heben / Levage / Sollevamento

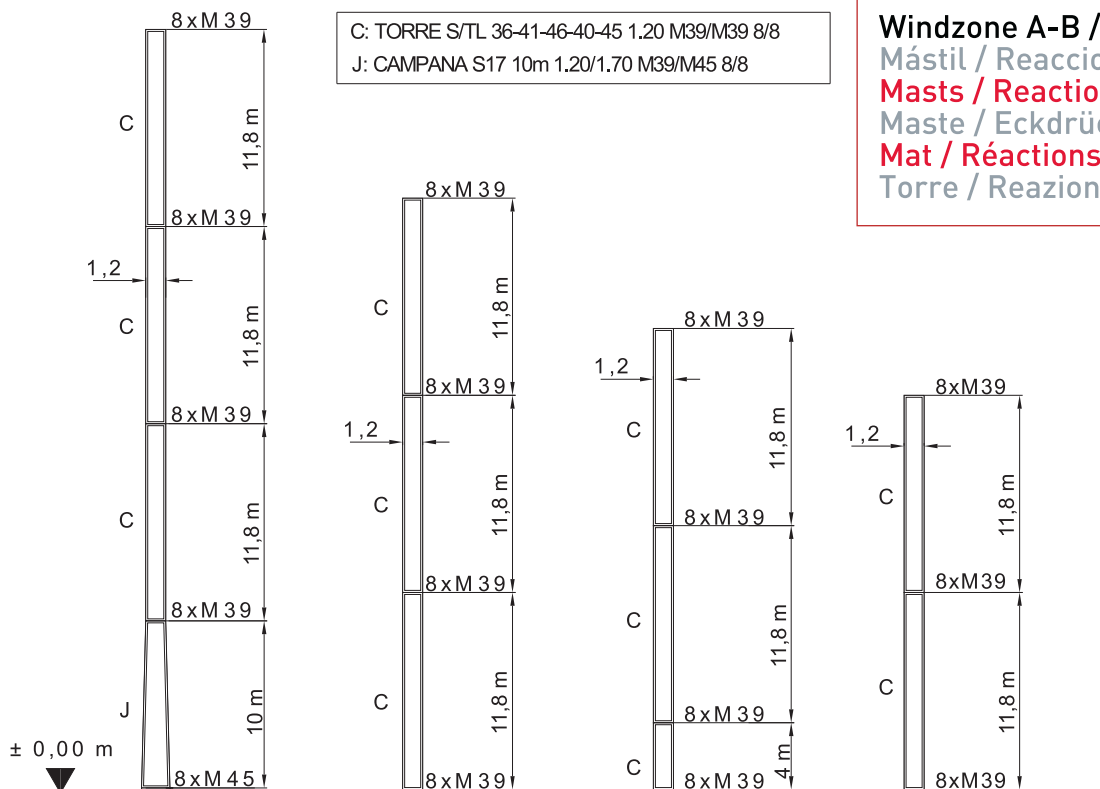
• Distribución / Trolleying / Katzfahren / Distribution / Distributions

• Orientación / Slewing / Schwenken / Orientation / Rotazione

• Traslacion / Travelling / Schienenfahren / Translation / Traslazione

	25 m	50 m	100 m
15 Hp (11,5 KW) 3V	4 x 16 mm <sup>2</sup>	4 x 16 mm <sup>2</sup>	4 x 25 mm <sup>2</sup>

	400 V 50 Hz	* 380 V 60 Hz	15 Hp (11,5Kw) 3V 24KW / 90 kVA
CEI 38 IEC 38			



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

Windzone A-B / DIN 15019  
Mástil / Reacciones  
Masts / Reactions  
Maste / Eckdrücke  
Mat / Réactions  
Torre / Reazioni

S 60/8	S 51	S 51	S 51
H: 45.7m	H: 35.65m	H: 27.85m	H: 23.85m
P(t): 45.96	P(t): 38.6	P(t): 32.94	P(t): 30.9
T(t): 7.81	T(t): 6.74	T(t): 5.58	T(t): 4.98
M(t-m): 241.7	M(t-m): 179	M(t-m): 135.7	M(t-m): 116.36



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

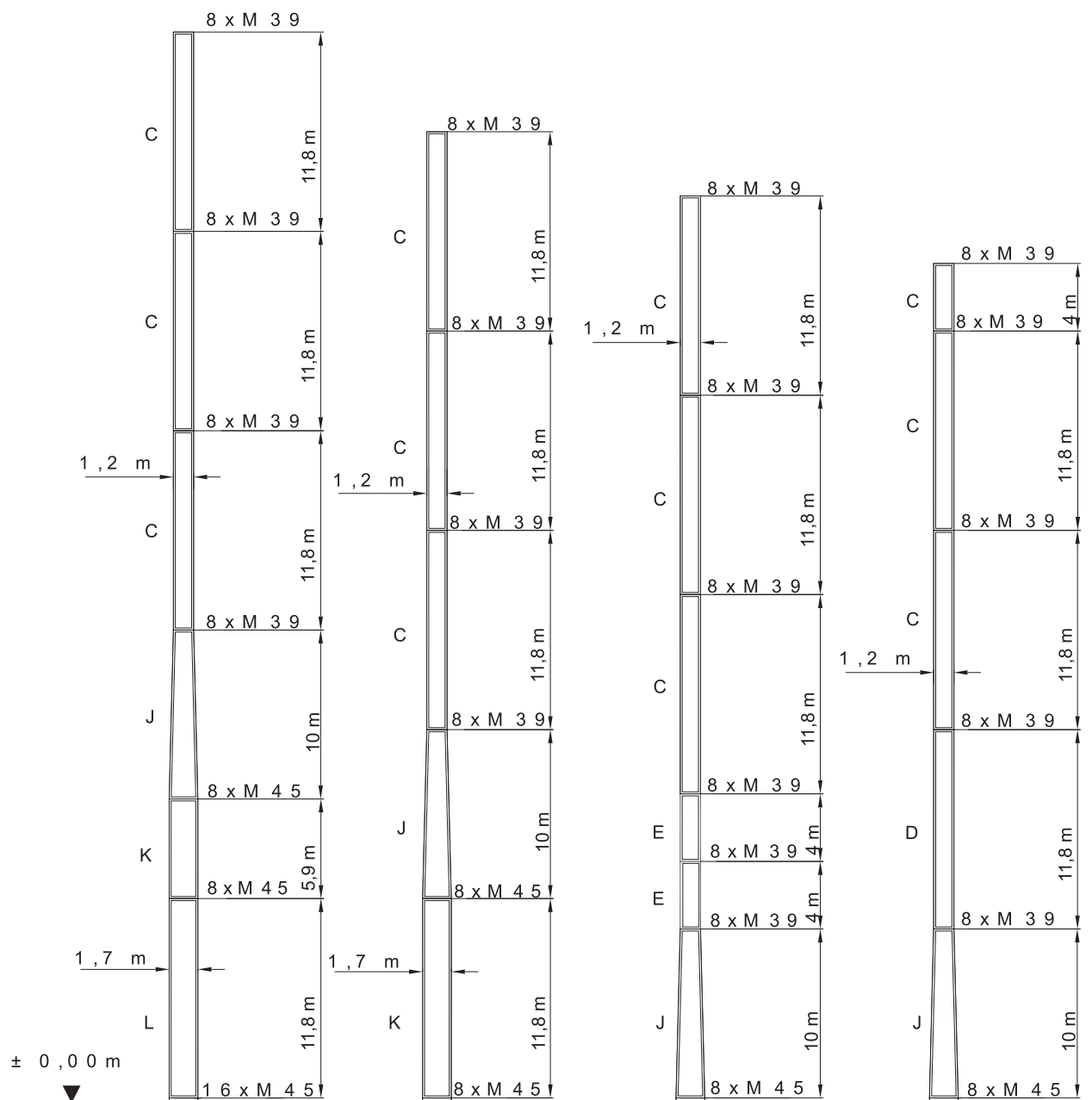
D: TORRE S/TL 50-52 1.20 M39/M39 8/8

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

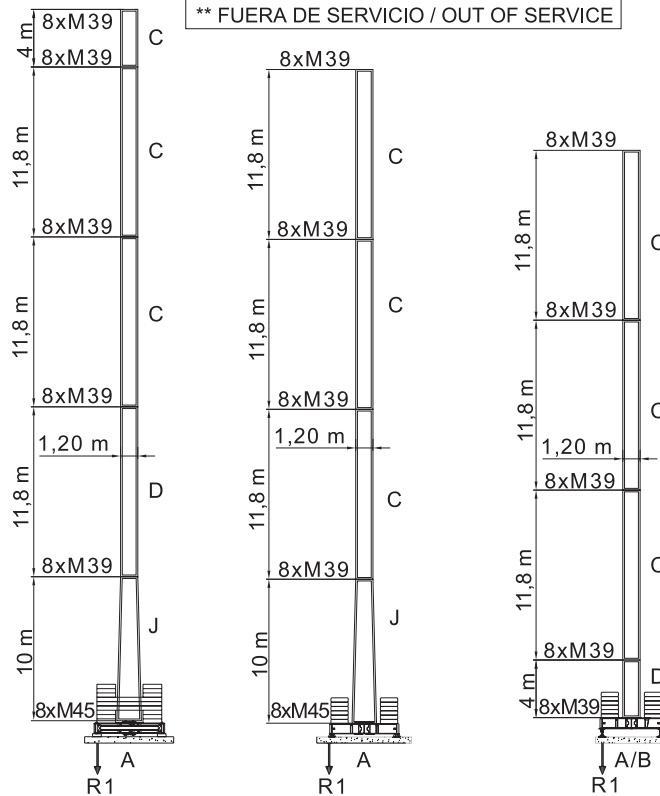


S 6 0 R / 1 6	S 6 0 / 8	S 6 0 / 8	S 6 0 / 8
H : 6 3 , 4 m	H : 5 7 , 5 m	H : 5 3 , 7 m	H : 4 9 , 7 m
P ( t ) : 5 6 , 4 3	P ( t ) : 5 4	P ( t ) : 4 7 , 4 5	P ( t ) : 4 7 , 3 1
T ( t ) : 1 2 , 7 6	T ( t ) : 1 1 , 6 5	T ( t ) : 9	T ( t ) : 8 , 4 1

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

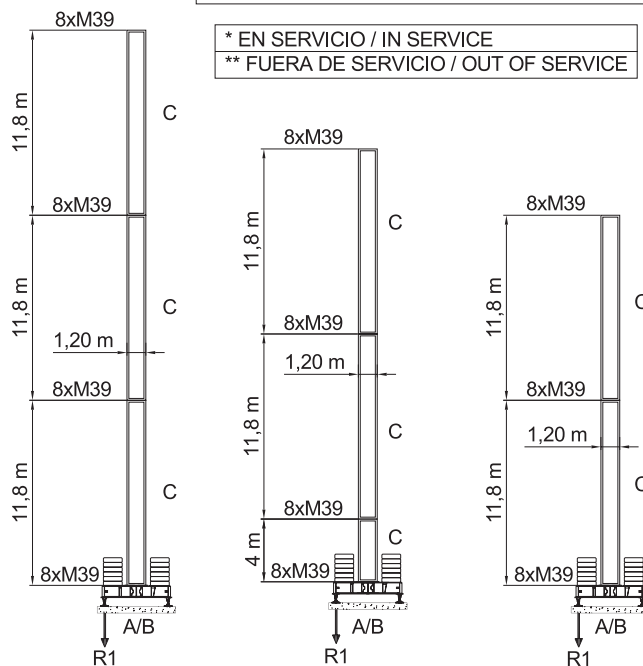


H(m): 50,6	H(m): 46,5	H(m): 40,4
BASE 4,5x4,5 1,7 HM700	BASE 4,5x4,5 1,2/1,7 HB700	BASE 3,8x3,8 1,2 HB600
LASTRE: 121,6 Tn	LASTRE: 98,8 Tn	LASTRE: 76 Tn
	*R1= 62,5 Tn	*R1= 56,3 Tn
**R1= 97 Tn	**R1= 70,9 Tn	**R1= 62,3 Tn

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



**Windzone A-B / DIN 15019**

Bloque lastre de base

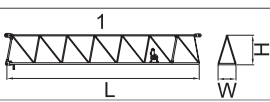
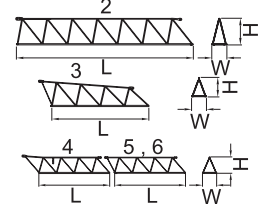
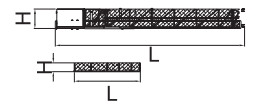
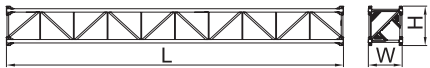
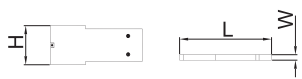
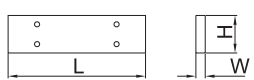
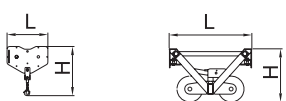
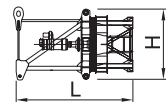
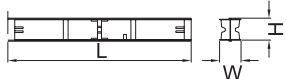
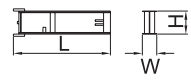
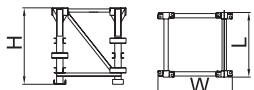
Base ballast block

Grundballastblöcke

Bloc de lest de base

Blocco di zavorra alla base

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

			L(m)	W(m)	H(m)	Peso(Kg)
<b>Pluma tramo primero</b> / Jib heel section Ausleger-Anlenkstück / Pied de flèche Settore articolato di braccio		1	11,74	1	1,7	1544
<b>Elemento intermedio de pluma</b> / Intermediate jib section / Ausleger-Zwischenstück Elément interm. de flèche / Spezzzone di braccio		2 3 4 5 6	11,74 6,5 5 5 5	1 1 1 1 1	1,7 1,31 1,16 1,16 1,16	1064 502 312 262 206
<b>Contrapluma</b> / Counter-jib Gegenausleger / Contre-flèche Controbraccio			11,49 4,05	0,28 0,30	1,65 0,58	1502 96
<b>Elemento de torre</b> / Tower section Turmstück / Elément de mât Elemento di torre		C C C C D D D D E E E E J K K K L	11,8 8,0 5,9 4,0 11,8 8,0 5,9 4,0 11,8 8,0 5,9 4,0 10 11,8 5,9 3 11,8	1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,85 1,85 1,85 1,85 1,85	1,38 1,38 1,38 1,38 1,38 1,38 1,38 1,38 1,38 1,38 1,38 1,38 1,38 1,85 1,85 1,85 1,85 1,85	2520 1870 1348 1050 3017 2075 1560 1100 3782 2654 2090 1527 3520 4600 2472 1425 5520
<b>Bloque de contrapeso</b> / Counterweight blocks Gegengewichtsblöcke / Bloc de contrepoids Blocco di contrappeso		A B C	2,94 2,94 1,70	0,30 0,18 0,18	1,25 1,25 1,25	2300 1400 850
<b>Bloque lastre de base</b> / Base ballast block Grundballastblöcke / Bloc de lest de base Blocco di zavorra alla base			4,4	1,2	0,3	3800
<b>Gancho y Carro</b> / Hook and Trolley Lasthaken - Laufkatze / Crochet - Chariot Gancio e Carrello			0,75 0,96	0,12 1,10	1,40 0,62	164 184
<b>Cabeza de torre</b> / Tower head Turmspitze / Porte - flèche Testa di torre			2,94	1,8	1,7	2998
<b>Viga principal base</b> / Main base beam Hauptträger für fundamentkreuz Poutre de châssis de base Trave principale della base			5,72	0,67	0,65	1570
<b>Semiviga secundaria base</b> / Half base beam Halbträger für fundamentkreuz Semipoutre de châssis de base Semitrave secundaria della base			2,77	0,45	0,665	800
<b>Elemento de empotre</b> / Foundation anchor Fundamentanker / Élément de scellement El anegare		S51 S60/8 S60R/16	1,2 1,85 1,85	1,38 1,85 1,85	1,42 1,6 1,6	496 956 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.

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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

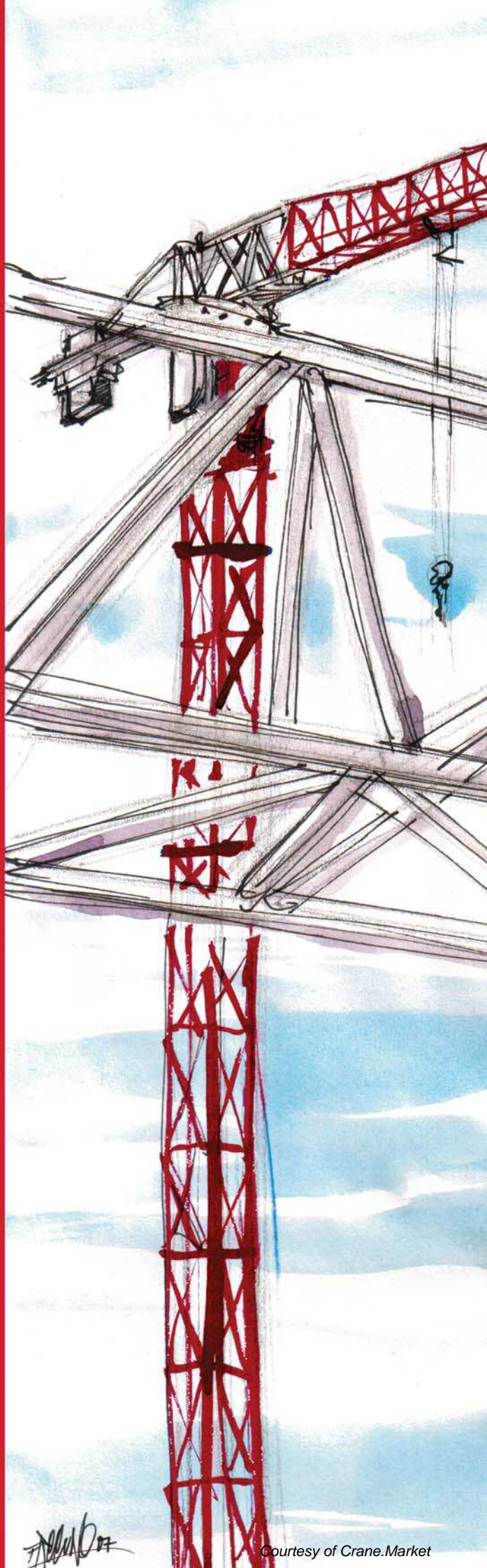




# SAEZ

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*[Handwritten signature]*

Courtesy of Crane.Market