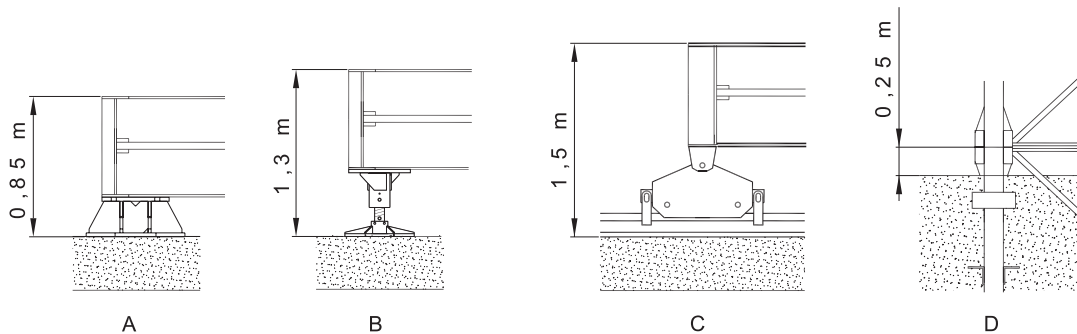
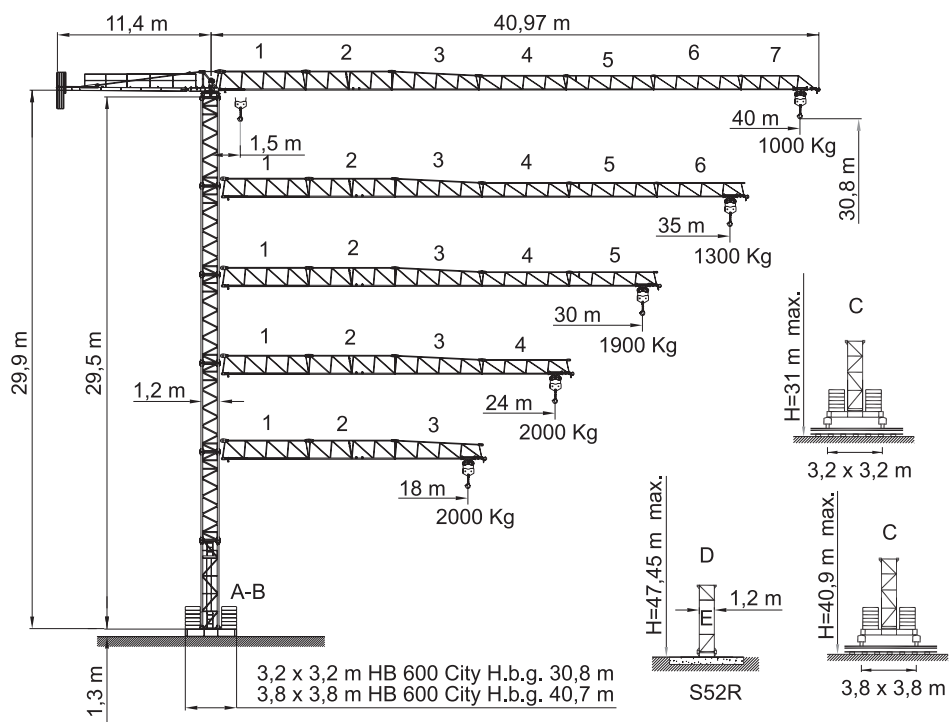


SAEZ


CRANES










TL 402 2T







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

	40 m			35 m		30 m		24 m	18 m	
	A	B	C	A	B	A	B	A	B	C
	2	1	1	2	1	2	1	2	2	1
	5500 kg			4800 kg		4800 kg		3800 kg	2700 kg	



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

30 m 	10	12	14	16	17	18	20	21					
	2000	2000	2000	2000	2000	2000	2000	2000	2000				
	22	23	24	25	27.8	28.2	30	m					
	2000	2000	2000	2000	2000	1974	1900	Kg					
24 m 	10	12	14	16	17	18	20	20,5	21	22	24	m	
	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	Kg	
18 m 	10	12	14	16	18	m							
	2000	2000	2000	2000	2000	Kg							
40 m 	10	12	14	16	17	18	20	21	21,6	22	23		
	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	1963	1869	
	24	25	26	28	30	32	34	35	38	40	m		
	1782	1703	1630	1500	1388	1291	1205	1166	1061	1000	Kg		
35 m 	10	12	14	16	17	18	20	21	22	23	23,8		
	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	
	23,8	24	25	26	28	30	32	34	35	m			
	2000	1980	1892	1812	1669	1545	1438	1343	1300	Kg			


12 Hp (9 Kw) 3V
 H.B.G. 84 S/R 169m Ø10 mm


		m/min	4,5	20	40
		Kg	2000	2000	1000
		Kw	9	9	9
		m/min	20 / 40		
		Kw	1,5		
		r.p.m	0,38	0,58	0,85
		Kw	2,9		

* 12 Hp INV (9 Kw)
 H.B.G. 84 S/R 169m Ø10 mm

		m/min	4,5	20	40
		Kg	2000	2000	1000
		Kw	9	9	9



Mecanismos
Mechanisms
 Antriebe
 Mécanismes
 Meccanismi


	400 V 50 Hz	* 380 V 60 Hz	12 Hp (9 Kw) 3V 15KW / 60kVA
			* 12 Hp INV (9 Kw) 15KW / 60kVA



	25 m	50 m	100 m	
	12 Hp (9 KW) 3V	4 x 16 mm ²	4 x 16 mm ²	4 x 25 mm ²
	* 12 Hp INV (9 KW)	4 x 16 mm	4 x 16 mm	4 x 25 mm


Mecanismos
Mechanisms
Antriebe
Mécanismes
Meccanismi

15 Hp (11,5 Kw) 3V
H.B.G. 84 S/R Ø 10 mm

		m/min	8	29	58	
		240 m	Kg	2500	2500	1000
		Kw	11,5	11,5	11,5	

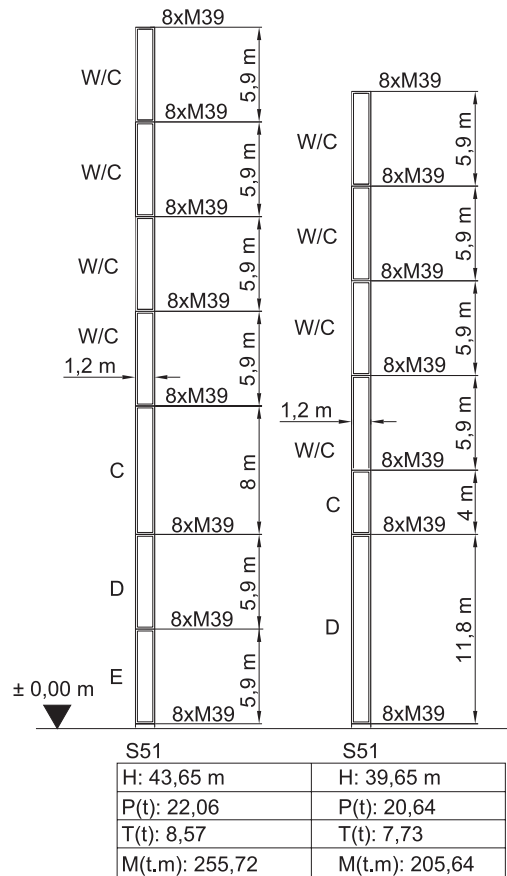
 CEI 38 IEC 38	400 V 50 Hz	* 380 V 60 Hz	15 Hp (11,5 Kw) 3V 24KW / 90 kVA
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		25 m	50 m	100 m
		15 Hp (11,5 KW) 3V	4 x 16 mm ²	4 x 16 mm ²

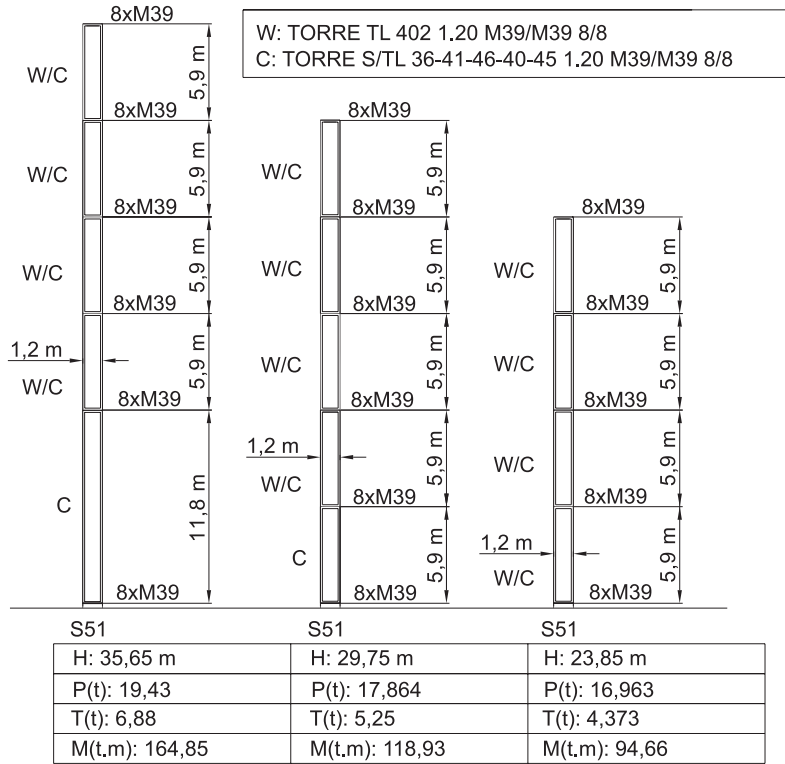
* Opcional / Optional / Opzionale / По выбору
 Elevación / Hoisting / Heben / Levage / Sollevamento / Подъём

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

W: TORRE TL 402 1.20 M39/M39 8/8
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



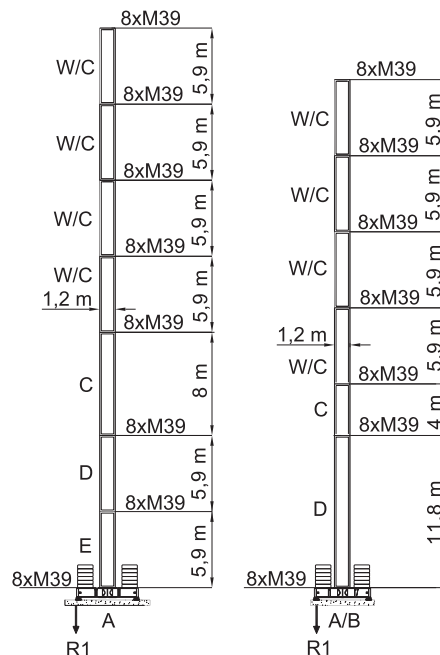
Windzone A-B / DIN 15019
 Mástil / Reacciones
 Masts / Reactions
 Maste / Eckdrücke
 Mat / Réactions
 Torre / Reazioni



Windzone A-B / DIN 15019
 Bloque lastre de base
 Base ballast block
 Grundballastblöcke
 Bloc de lest de base
 Blocco di zavorra alla base

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

W: TORRE TL 402 1.20 M39/M39 8/8
 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

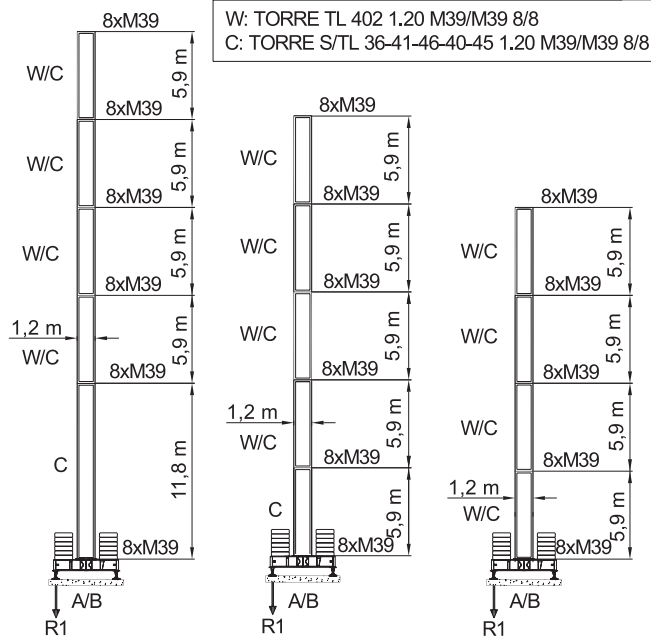


H(m): 44,25	H(m): 40,7
BASE 4,5x4,5 1,2/1,7 HB700	BASE 3,8x3,8 1,2 HB600
LASTRE: 98,8 Tn	LASTRE: 98,8 Tn
*R1= 51,48 Tn	*R1= 52,40 Tn
**R1= 64,45 Tn	**R1= 62,73 Tn

* EN SERVICIO / IN SERVICE

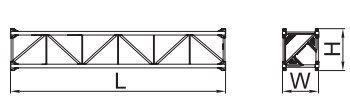
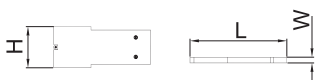
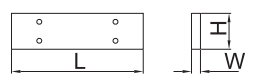
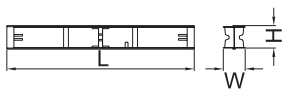

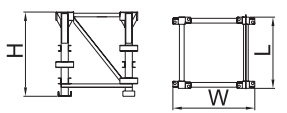
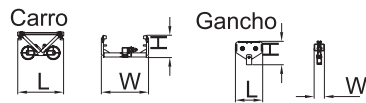
** FUERA DE SERVICIO / OUT OF SERVICE

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 3,2x3,2 1,2 HB600	BASE 3,2x3,2 1,2 HB600
LASTRE: 76 Tn	LASTRE: 53,2 Tn	LASTRE: 45,6 Tn
*R1= 44,9 Tn	*R1= 39,23 Tn	*R1= 35,68 Tn
**R1= 50,00 Tn	**R1= 35,59 Tn	**R1= 28,39 Tn
	BASE 3,8x3,8 1,2 HB600	BASE 3,8x3,8 1,2 HB600
	LASTRE: 45,6 Tn	LASTRE: 38 Tn
	*R1= 34,79 Tn	*R1= 30,00 Tn
	**R1= 31,06 Tn	**R1= 22,73 Tn

		L(m)	W(m)	H(m)	Peso(Kg)	
Pluma tramo primero / Jib heel section Ausleger-Anlenkstück / Pied de fleche Settore articolato di braccio		1	5,9	0,8	1,33	597
		2	5,9	0,8	1,33	707
Elemento intermedio de pluma Intermediatejib section / Ausleger-Zwischenstück Element interm. de fleche / Spezzone di braccio		3	5,9	0,8	1	330
		4	5,9	0,8	1	297
		5	5,9	0,8	1	263
		6	5,9	0,8	1	238
		7	5,9	0,8	1	198
Zocalo, conjunto elevacion, cuadro electrico, cuspid Counterjib-turntable, hoisting winch, trolley jib, electrical box, a frame. / Gegenausleger, hubwinde, drehwerk, schaitzschrank / Contrefleche tournante, treuil de levage, armoire electrique, pointe / Controfreccia girevole, argano di sollev., quadro elettrico, cuspid		2,24	1,42	1,8	1925	
Contrapluma / Counterjib Gegenausleger / Contrefleche / Controfreccia		8,84	1,44	1,23	1113	

		L(m)	W(m)	H(m)	Peso(Kg)	
Elemento de torre / Tower section Turmstück / Element de mât Elemento di torre		W	5,9	1,2	1,38	1072
		W	2,95	1,2	1,38	625
		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
		E	11,8	1,2	1,38	4600
		E	8,0	1,2	1,38	2654
		E	5,9	1,2	1,38	2090
		E	4,0	1,2	1,38	1527
Bloque de contrapeso / Counterweight blocks Gegengewichtsblöcke / Bloc de contrepoids Blocco di contrappeso		A	2,470	0,40	1,0	1900
		B	2,470	0,21	1,0	1000
		C	1,740	0,21	1,0	700
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
Viga principal base / Main base beam Hauptträger für fundamentkreuz Poutre de châssis de base Trave principale della base		(3,8 x 3,8 m)	5,72	0,67	0,650	1570
		(3,2 x 3,2 m)	4,72	0,67	0,650	1305
Semiviga secundaria base / Half base beam Halbträger für fundamentkreuz Semipoutre de châssis de base Semitrave secundaria della base		(3,8 x 3,8 m)	2,77	0,45	0,665	800
		(3,2 x 3,2 m)	2,37	0,45	0,665	668
Elemento de empotre / Foundation anchor Fundamentanker / Élément de scellement El anegare		S51	1,2	1,38	1,42	496
		S52R	1,2	1,38	1,42	594
Gancho y Carro / Hook and Trolley Lasthaken - Laufkatze / Crochet - Chariot Gancio e Carrello / Крюк и тележка		Carro	0,84	0,9	0,51	64
		Gancho	0,52	0,2	0,7	70

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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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