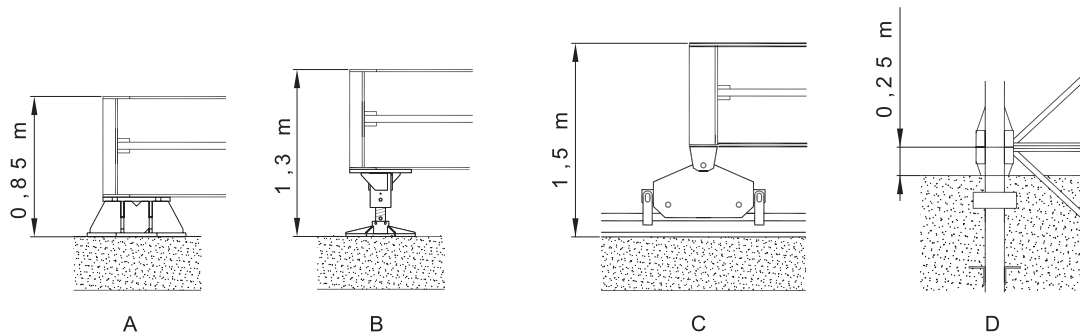
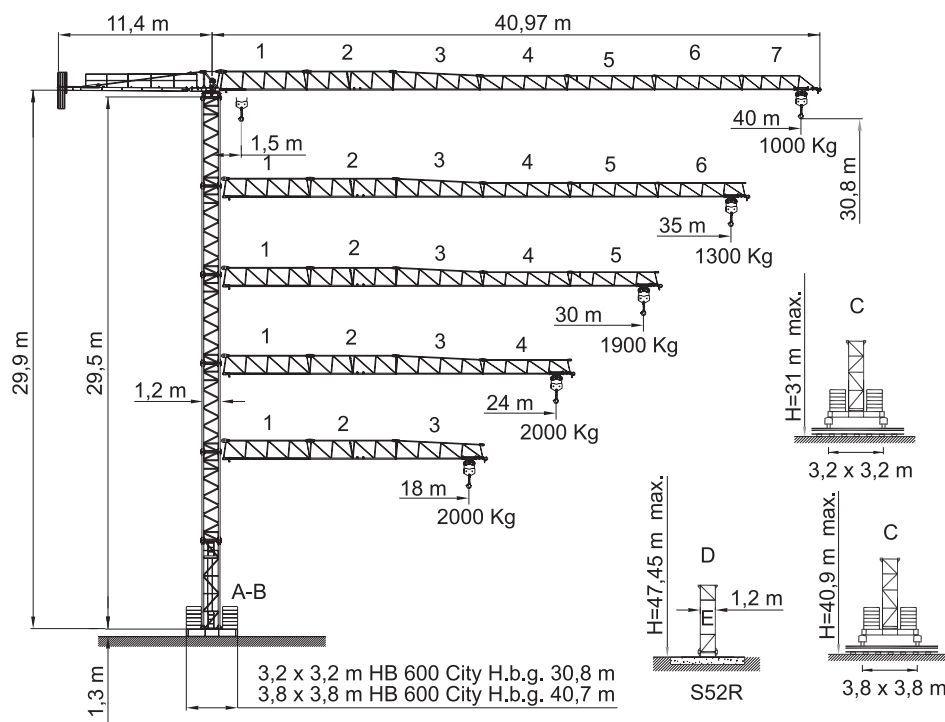


SAEZ

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

22	23	24	25	27.8	28.2	30	m	
2000	2000	2000	2000	2000	1974	1900		

24 m



10	12	14	16	17	18	20	20,5	21	22	24
2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

m

Kg



18 m



10	12	14	16	18
2000	2000	2000	2000	2000

m

Kg



40 m



10	12	14	16	17	18	20	21	21,6	22	23
2000	2000	2000	2000	2000	2000	2000	2000	2000	1963	1869

24	25	26	28	30	32	34	35	38	40
1782	1703	1630	1500	1388	1291	1205	1166	1061	1000

m

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

23,8	24	25	26	28	30	32	34	35
2000	1980	1892	1812	1669	1545	1438	1343	1300

m

Kg



12 Hp (9 Kw) 3V H.B.G. 84 S/R 169m Ø10 mm					
	 169 m	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					
	 169 m	m/min	4,5	20	40
		Kg	2000	2000	1000
		Kw	9	9	9

Mecanismos
Mechanisms
Antriebe
Mécanismes
Meccanismi

 CEI 38 IEC 38	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

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

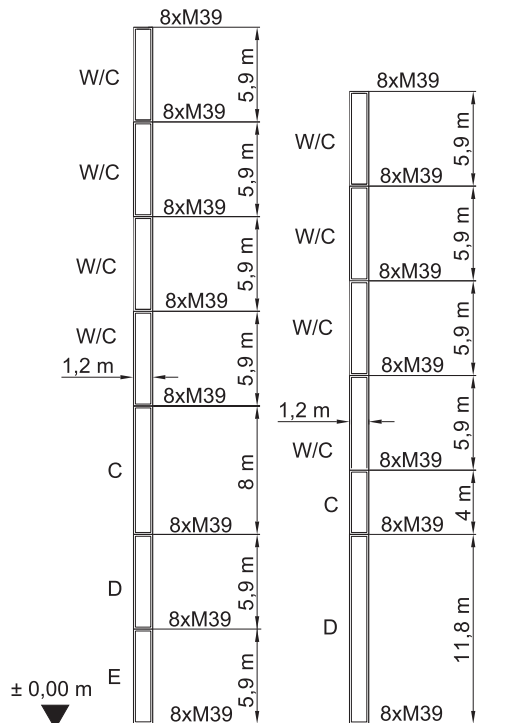
		25 m	50 m	100 m
15 Hp (11,5 KW) 3V		4 x 16 mm ²	4 x 16 mm ²	4 x 25 mm ²

* Opcional / Optional / Opzionale / По выбору

Elevación / Hoisting / Heben / Levage / Sollevamento / Подъём

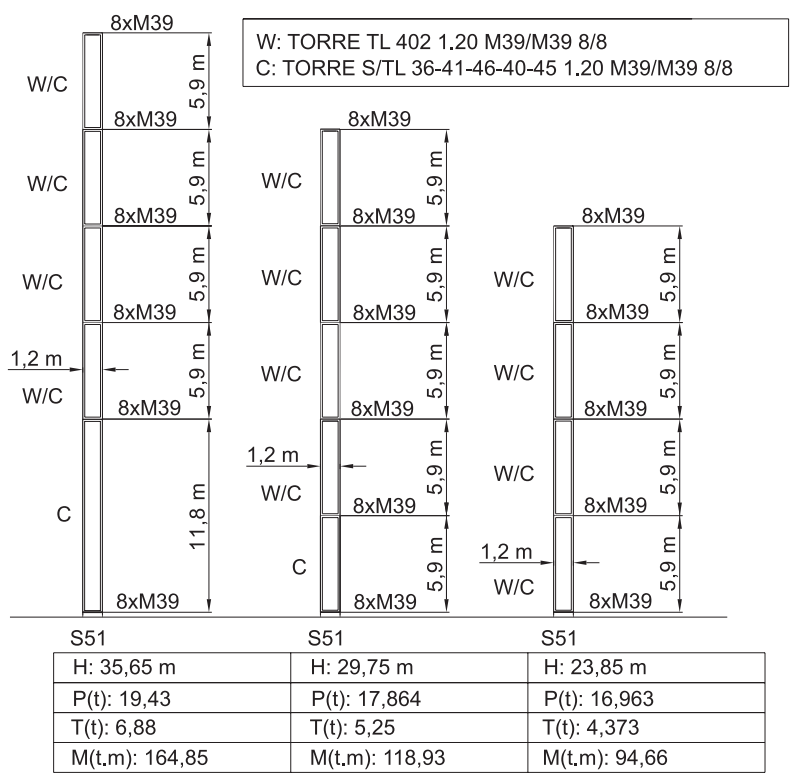
Windzone A-B / DIN 15019
Mástil / Reacciones
Masts / Reactions
Maste / Eckdrücke
Mat / Réactions
Torre / Reazioni

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



S51	S51
H: 43,65 m	H: 39,65 m
P(t): 22,06	P(t): 20,64
T(t): 8,57	T(t): 7,73
M(t.m): 255,72	M(t.m): 205,64

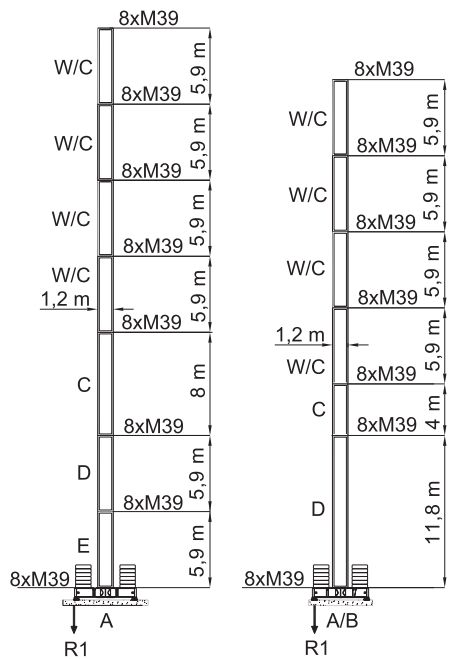
Windzone A-B / DIN 15019
Mástil / Reacciones
Masts / Reactions
Maste / Eckdrücke
Mat / Réactions
Torre / Reazioni



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



Windzone A-B / DIN 15019

Bloque lastre de base

Base ballast block

Grundballastblöcke

Bloc de lest de base

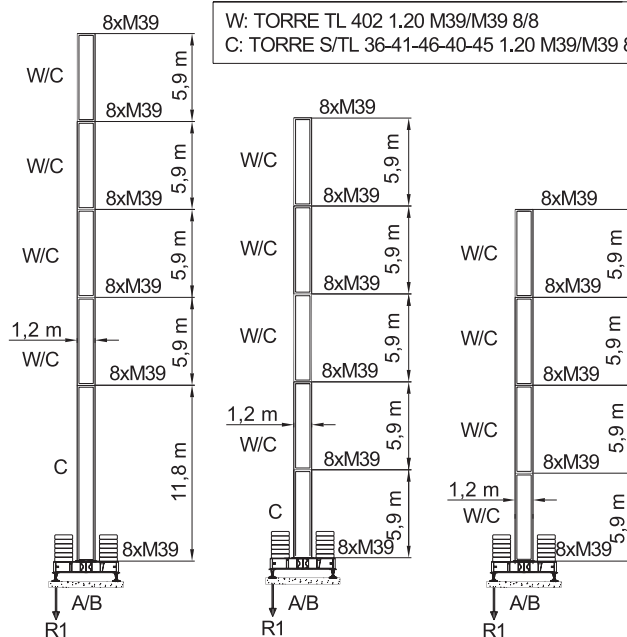
Blocco di zavorra alla base

* EN SERVICIO / IN SERVICE

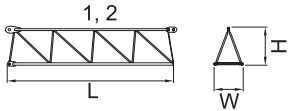
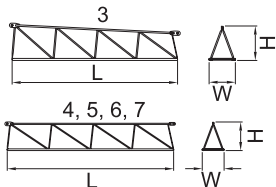
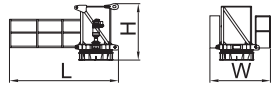
** FUERA DE SERVICIO / OUT OF SERVICE

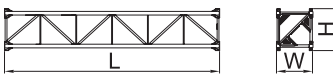
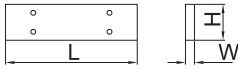
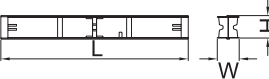
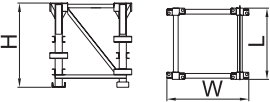
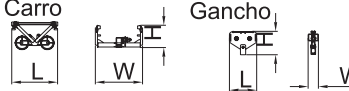
W: TORRE TL 402 1.20 M39/M39 8/8

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



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, schaltschrank / 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 annegare		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				
		Gancho				
		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