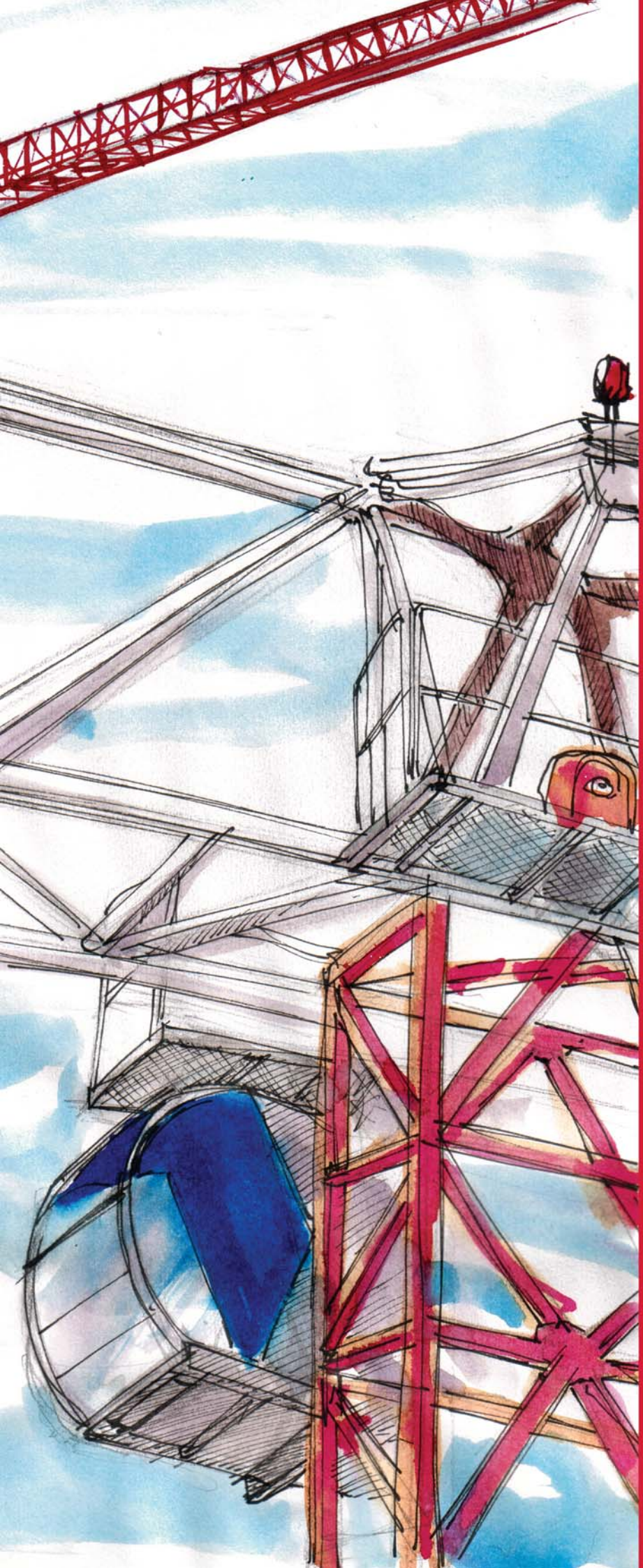
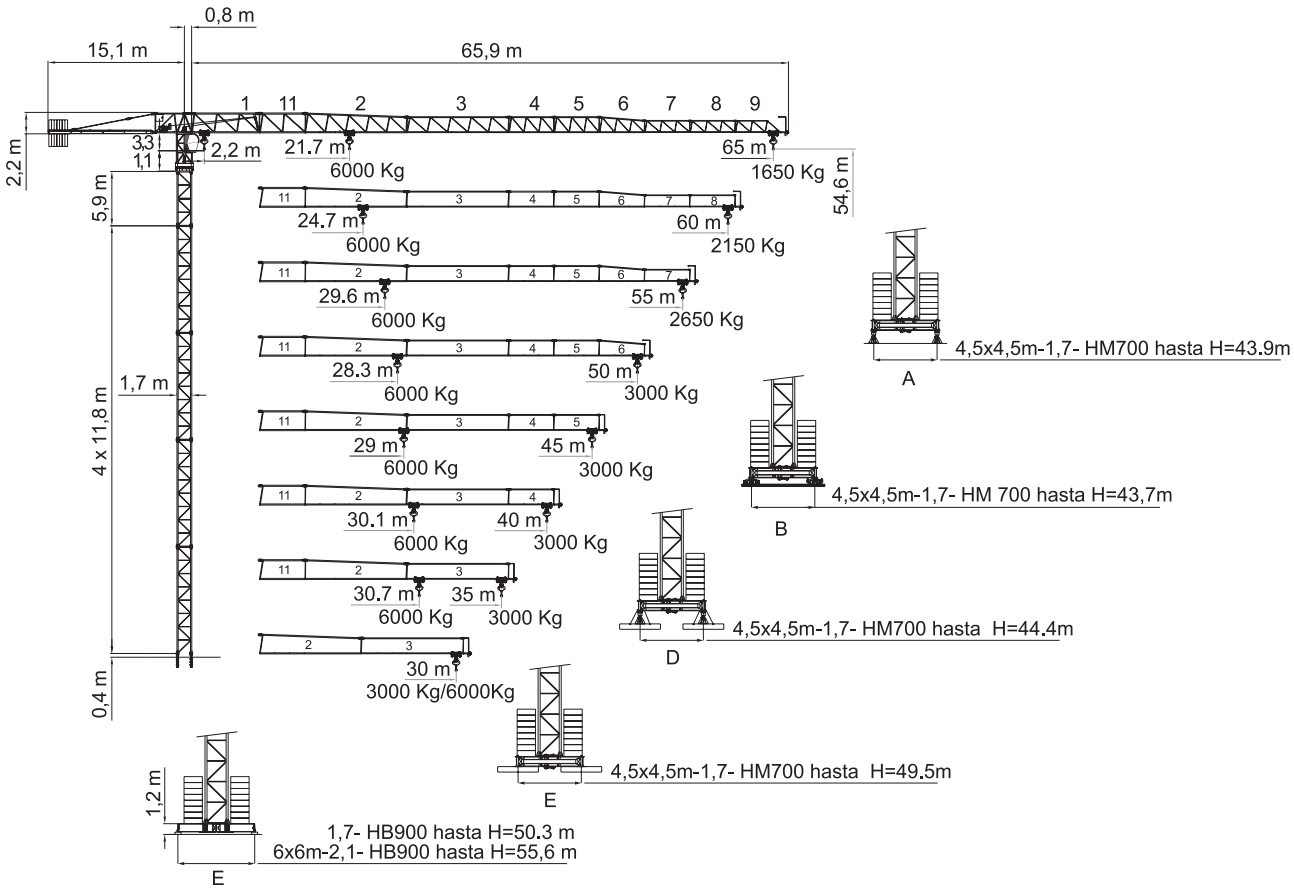
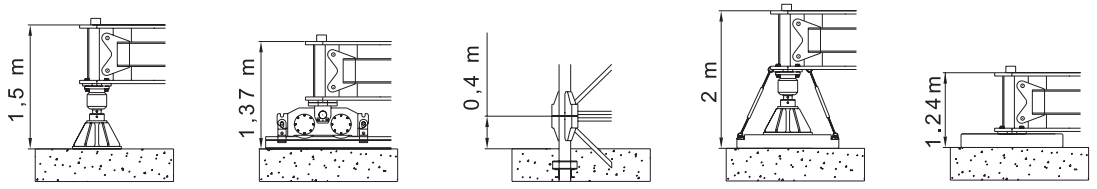


SAEZ

CRANES

TLS 656 6T





65 m

10	15	20	25	30	35	40	40,7	45	50	55	60	65	m
3000	3000	3000	3000	3000	3000	3000	3000	2630	2310	2050	1830	1650	Kg
10	15	20	21,7	25	30	35	40	45	50	55	60	65	m
6000	6000	6000	6000	5070	4090	3390	2880	2480	2160	1900	1680	1500	Kg

60 m

10	15	20	25	30	35	40	45	46,3	50	55	60	m
3000	3000	3000	3000	3000	3000	3000	3000	3000	2690	2400	2150	Kg
10	15	20	24,7	25	30	35	40	45	50	55	60	m
6000	6000	6000	6000	5850	4730	3940	3360	2900	2540	2250	2000	Kg

55 m

10	15	20	25	30	35	40	45	49,5	50	55	m
3000	3000	3000	3000	3000	3000	3000	3000	3000	2970	2650	Kg
10	15	20	25	26,9	30	35	40	45	50	55	m
6000	6000	6000	6000	6000	5210	4350	3710	3210	2820	2500	Kg

50 m

10	15	20	25	30	35	40	45	50		m
3000	3000	3000	3000	3000	3000	3000	3000	3000		Kg
10	15	20	25	28,3	30	35	40	45	50	m
6000	6000	6000	6000	6000	5510	4610	3930	3410	3000	Kg

45 m

10	15	20	25	30	35	40	45		m
3000	3000	3000	3000	3000	3000	3000	3000		Kg
10	15	20	25	29	30	35	40	45	m
6000	6000	6000	6000	6000	5640	4720	4030	3500	Kg

40 m

10	15	20	25	30	35	40		m
3000	3000	3000	3000	3000	3000	3000		Kg
10	15	20	25	29,4	30	35	40	m
6000	6000	6000	6000	6000	5864	4910	4200	Kg

35 m

10	15	20	25	30	35		m
3000	3000	3000	3000	3000	3000		Kg
10	15	20	25	29,8	30	35	m
6000	6000	6000	6000	6000	5970	5000	Kg

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

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

	65 m			60 m			55 m			50 m		
	A	B	C	A	B	C	A	B	C	A	B	C
	8	-	-	8	-	-	7	1	-	6	2	-
	20000 Kg			20000 Kg			19000 Kg			18000 Kg		
	45 m			40 m			35 m			30 m		
	A	B	C	A	B	C	A	B	C	A	B	C
	6	1	-	6	-	-	4	2	-	3	2	-
	16500 Kg			15000 Kg			13000 Kg			10500 Kg		

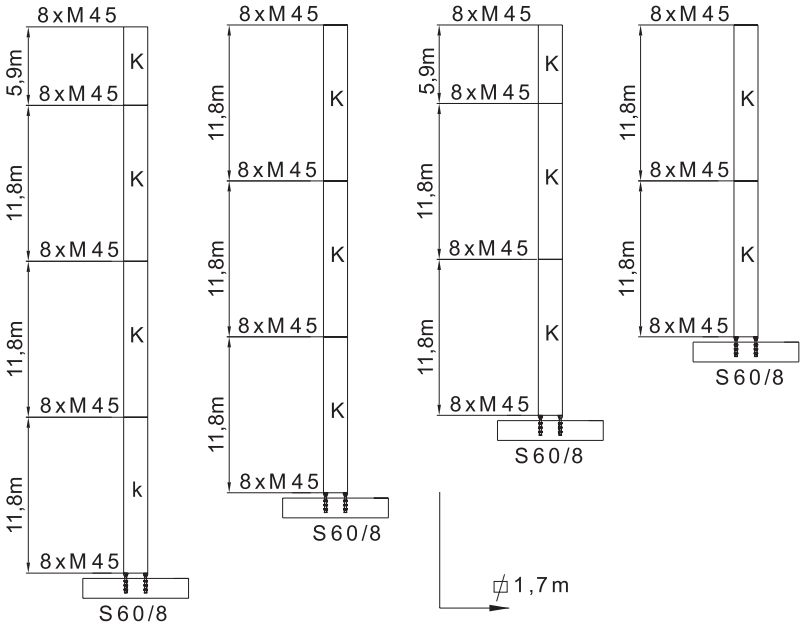
Mecanismos, Mechanisms, Antriebe, Mécanismes, Meccanismi.

33 Hp (24Kw) - 3vel. H.B.G. 94 Mts S/RØ12									
		m/min	7,4	37	74	3,7	18,5	37
	285 m	Kg	3000	3000	1500	6000	6000	3000
		Kw	24	24	24	24	24	24
		m/min	11 / 37 / 75			11 / 37 / 75		
		Kw	3,0			3,0		
		r.p.m	0,3	0,6	0,9	0,3	0,6	0,9
		Nm	2 x 65			2 x 65		
		m/min	12 / 24			12 / 24		
		Kw	4 x 3			4 x 3		

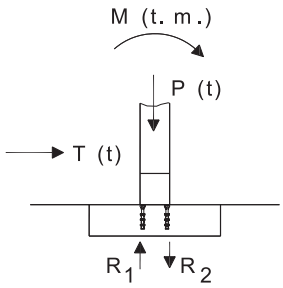
* 33 Hp (24Kw) - INV. H.B.G. 94 Mts S/RØ12								
		m/min	0 → 9	0 → 37	0 → 80	0 → 4,5	0 → 18,5	0 → 40
	285 m	Kg	3000	3000	1500	6000	6000	3000
		Kw	24	24	24	24	24	24

			GENERADOR	POTENCIA INSTALADA
400 V 50 Hz	100m 4x25mm²		150 kVA	46 KW
380 V 60 Hz	100m 4x25mm²	OPCIONAL		

* Opcional / Optional / Opzionale /
Elevación / Hoisting / Heben / Levage / Sollevamento
Distribución / Trolleying / Katzfahren / Distribution / Ditribuzione
Orientación / Slewing / Schwenken / Orientation / Rotazione
Traslacion / Travelling / Schienenfahren / Translation / Traslazione
Cable / Rope / Seil / Câble / Fune



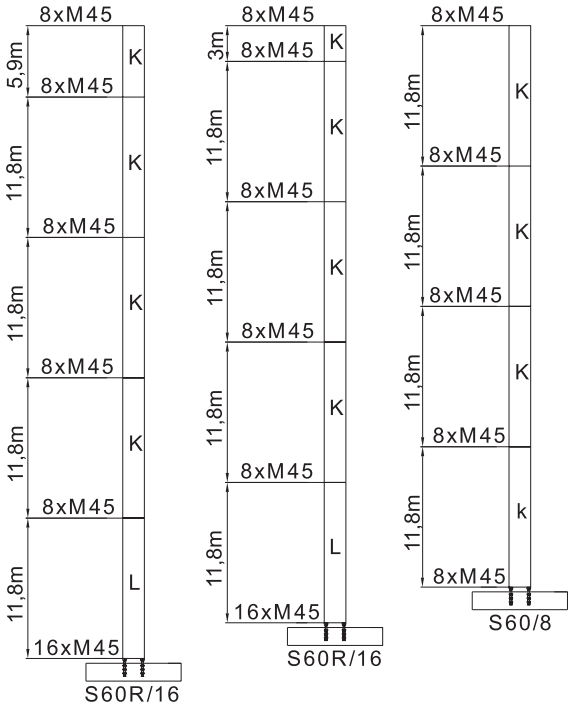
Windzone A-B / DIN 15019
Mástil / Reacciones
Masts / Reactions
Maste / Eckdrücke
Mat / Réactions
Torre / Reazioni

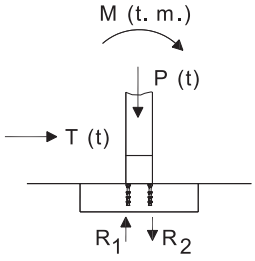


K = S17 8/8
L = S17 16/8
N = S17-S21 8/8
O = S21 8/8
P = S21 16/8

H (m)	42,8	36,9	31	25,1
M (T·m)	278,7	264,9	252,4	241,1
T (t)	8,8	7,9	7,0	6,1
P (t)	71,2	68,5	66,5	63,8
R_1 (t)	113,6	107,8	102,4	97,8
R_2 (t)	149,1	141,9	135,5	129,6

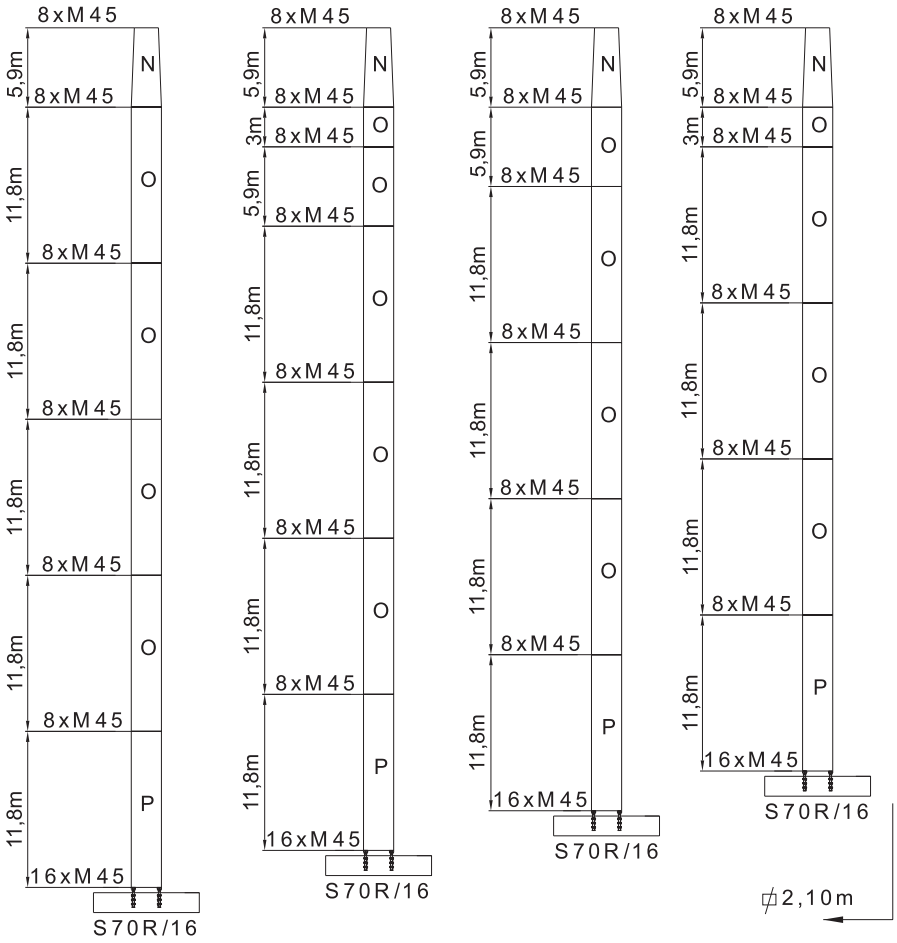
Windzone A-B / DIN 15019
Mástil / Reacciones
Masts / Reactions
Maste / Eckdrücke
Mat / Réactions
Torre / Reazioni



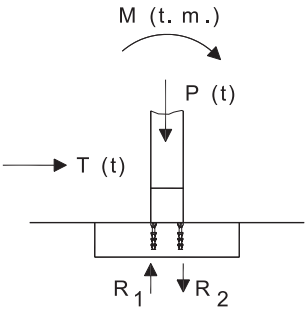


K = S17 8/8
L = S17 16/8
N = S17-S21 8/8
O = S21 8/8
P = S21 16/8

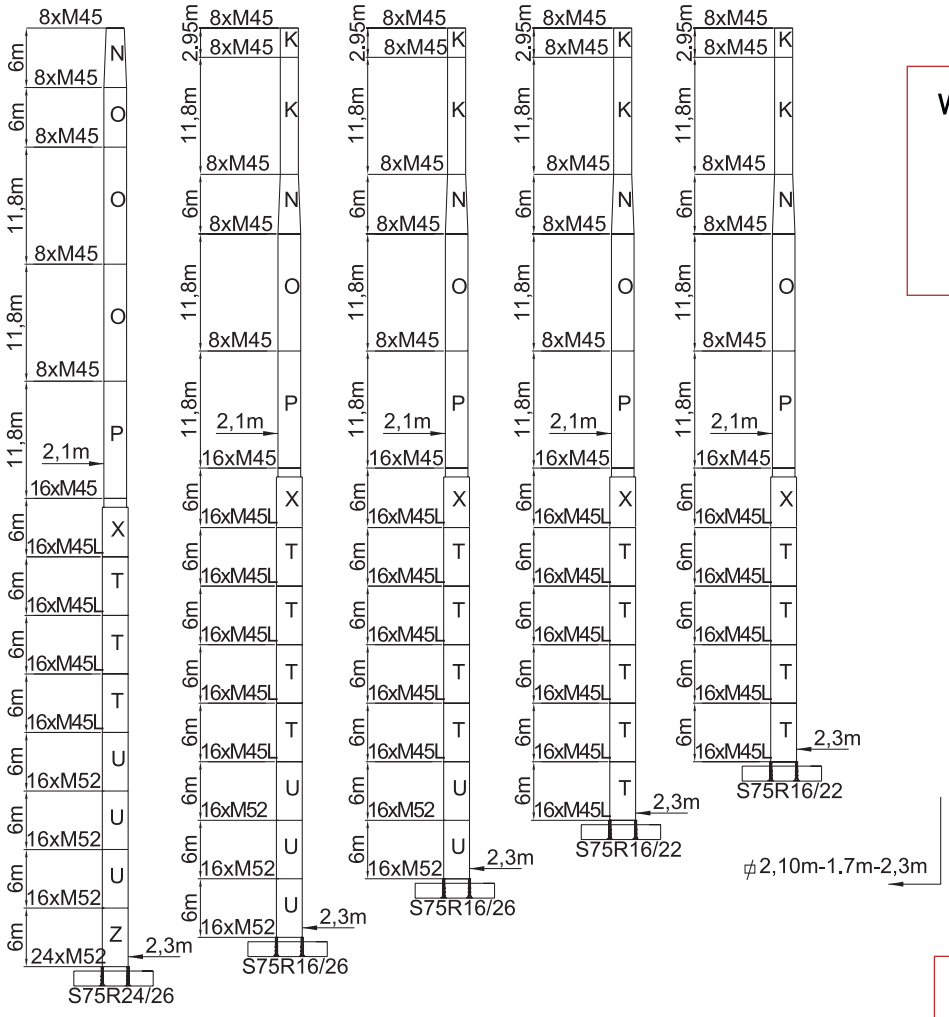
H (m)	54,6	51,7	48,7
M (T·m)	357,2	321,8	293,8
T (t)	10,6	10,1	9,7
P (t)	76,2	74,9	73,2
R_1 (t)	151,4	135,0	120,3
R_2 (t)	185,4	168,4	156,7



K = S17 8/8
L = S17 16/8
N = S21-S17 8/8
O = S21 8/8
P = S21 16/8

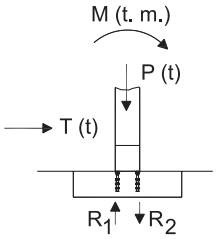


H (m)	66,4	63,5	60,5	57,6
M (T·m)	576,7	530,6	485,5	443,2
T (t)	13,3	12,7	12,2	11,8
P (t)	78,5	77,5	75,9	74,4
R_1(t)	192	175	159,1	144,1
R_2(t)	226,7	209,7	192,9	177,2



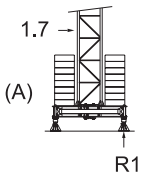
Windzone A-B / DIN 15019
Mástil / Reacciones
Masts / Reactions
Maste / Eckdrücke
Mat / Réactions
Torre / Reazioni

K = S17 8/8
L = S17 16/8
N = S21-S17 8/8
O = S21 8/8
P = S21 16/8
X = C2322/21 16/16 M45/M45L
T = S2322 16/16 M45L
U = S2326 16/16 M52/M45L
Z = S2326 24/16L M52



H (m)	96.7	92.5	86.5	80.5	74.5
M (T·m)	--	1267.6	1267.6	915,8	766,5
T (t)	--	22.9	22.9	18,6	13,5
P (t)	--	103.3	103.3	84,6	79,1
R_1(t)	--	411.4	411.4	281	232,3
R_2(t)	--	463.1	463.1	321,3	271,8

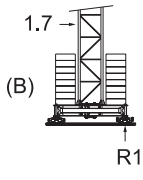
Windzone A-B / DIN 15019
Bloque lastre de base
Base ballast block
Grundballastblöcke
Bloc de lest de base
Blocco di zavorra alla base



4,5 x 4,5 m-1,7- HM 700

R1(t)	73,6 t	74,4 t	75,6 t	78,8 t	80 t	81,3 t
H(m)	20,3 m	23,3 m	26,2 m	29,2 m	32,1 m	35,1 m
Z (t)	83,6 t	83,6 t	83,6 t	91,2 t	91,2 t	91,2 t

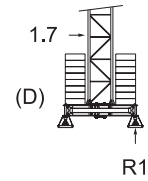
R1(t)	82,4 t	86,7 t	88,1 t
H(m)	38 m	41 m	43,9 m
Z (t)	91,2 t	102,6 t	102,6t



4,5 x 4,5 m-1,7- HM 700

R1(t)	73,6 t	74,4 t	75,6 t	78,8 t	80 t	81,3 t
H(m)	20,1 m	23,1 m	26 m	29 m	31,9 m	34,9 m
Z (t)	83,6 t	83,6 t	83,6 t	91,2 t	91,2 t	91,2 t

R1(t)	82,4 t	86,7 t	88,1 t
H(m)	37,8 m	40,8 m	43,7 m
Z (t)	91,2 t	102,6 t	102,6t



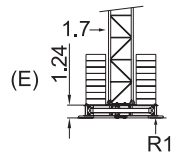
4,5 x 4,5 m-1,7- HM 700

R1(t)	73,6 t	74,4 t	75,6 t	78,8 t	80 t	81,3 t
H(m)	20,8 m	23,8 m	26,7 m	29,7 m	32,6 m	35,6 m
Z (t)	83,6 t	83,6 t	83,6 t	91,2 t	91,2 t	91,2 t

R1(t)	82,4 t	86,7 t	88,1 t
H(m)	38,5 m	41,5 m	44,4 m
Z (t)	91,2 t	102,6 t	102,6t

Windzone A-B / DIN 15019

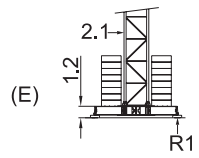
Bloque lastre de base , Base ballast block, Grundballastblöck,Bloc de lest de base, Blocco di zavorra alla base



4,5 x 4,5 m-1,7-HM 700

R1 (t)	73,6 t	74,4 t	75,6 t	78,8 t	80 t	81,3 t
H (m)	20 m	23 m	25.9 m	28.9 m	31.8 m	34.8 m
Z (t)	83,6 t	83,6 t	83,6 t	91,2 t	91,2 t	91,2 t

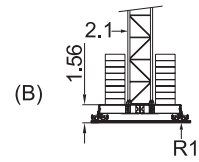
R1 (t)	82,4 t	86,7 t	88,1 t	94,4 t	95,3 t
H (m)	37.7 m	40.7 m	43,6 m	46,6 m	49,5 m
Z (t)	91,2 t	102,6 t	102,6t	121,6 t	121,6 t



6 x 6 m-2,1/1,7-HB 900

R1 (t)	46,5 t	49,1 t	53,8 t	62,5 t	71,9 t
H (m)	26,2 m	32,1 m	38 m	41 m	44 m
Z (t)	53.2 t	53.2 t	53.2 t	53,2 t	57 t

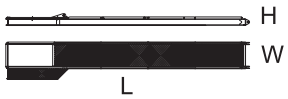
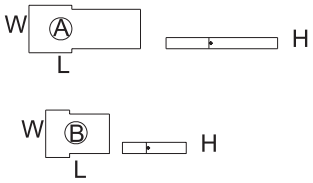
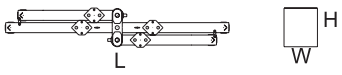
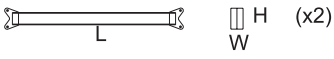
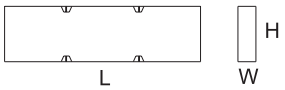
R1 (t)	81,6 t	92,6 t	104,1 t	116,5 t
H (m)	47 m	50 m	53 m	56 m
Z (t)	68,4 t	76 t	87,4 t	95 t

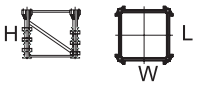
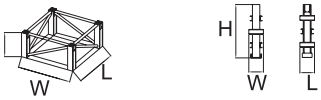
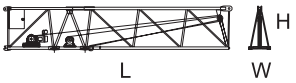
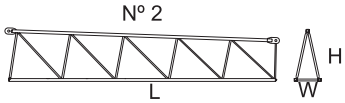
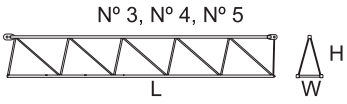
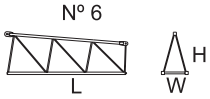
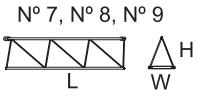
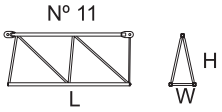
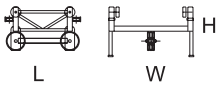
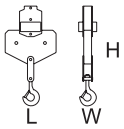
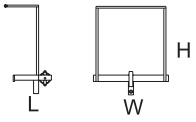
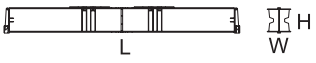


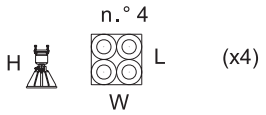
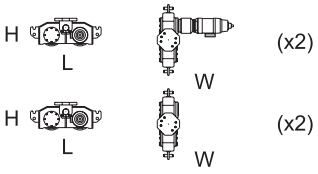
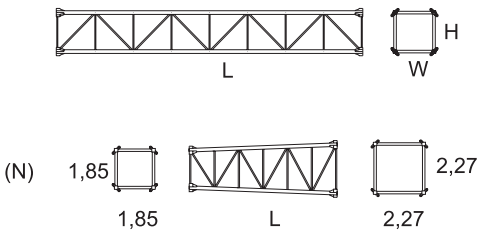
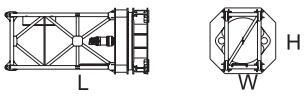
6 x 6 m-2,1/1,7- HB 900

R1 (t)	46,5 t	49,1 t	53,8 t	62,5 t	71,9 t
H (m)	26,5 m	32,4 m	38.3 m	41.3 m	44.3 m
Z (t)	53.2 t	53.2 t	53.2 t	53,2 t	57 t

R1 (t)	81,6 t	92,6 t
H (m)	47.3 m	50.3 m
Z (t)	68,4 t	76 t

		L(m)	W(m)	H(m)	Peso(Kg)
Contrapluma / Counter-jib / Gegenausleger / Contre-fleche / Controbraccio		11,94	1,80	0,60	2575
Bloque de contrapeso / Counterweight blocks / Gegengewichtsblöcke / Bloc de contrepoids / Blocco di contrappeso		3,20 1,83	1,25 1,25	0,29 0,29	2500 1500
Base Cruciforme 4,5 X4,5 / Crossbase 4,5 X 4,5 / Fundamentkreuz 4,5 X 4,5 / Châsis 4,5 X 4,5 / Carro base 4,5 X 4,5		6,70	1,10	1,20	5750
Vigas auxil. de base / Half base beams / Halbträger für fundamentkreuz / Semipoutre de châsis de base / Travi di congiunzi di congiunzione		4,40	0,30	0,55	220
Bloque lastre de base / Base ballast block / Grundballastblöcke / Bloc de lest de base Blocco di zavorra alla base		4,40	0,30	1,20	3800
Bloque apoyo de base / Base support block / Grundballastblöcke / Bloc de appui de base Blocco di appoggio alla base		3,75	0,5	1,2	5400

			L(m)	W(m)	H(m)	Peso(Kg)
Elemento de empotre / Foundation anchor / Fundamentanker / Élément de scellement El annegare				1,85		
		S60/R16	1,85	1,85	1,6	1108
		S70/8	2,27	2,27	1,6	1122
		S70R/16	2,27	2,27	1,6	1274
Utillaje tramo de empotre Tool fixing anchors Vorrichtung fundamentaker Outilliage de L'emént de scellement Ferramenta troncheto fondazione	**Dima** 	S75R 8 /20	0.35	0.35	1.6	1200
		S75R16/22	0.5	0.5	2.5	2840
		S75R16/26	0.5	0.5	2.5	3160
		S75R24/26	0.5	0.5	2.5	3400
		Dima	2.31	2.34	0.8	1650
Pluma tramo primero / Jib heel section / Ausleger-Anlenkstück / Pied de fleche / Settore articolato di braccio			11,90	1,25	2,30	5800
Elemento intermedio de pluma / Intermediate jib section / Ausleger-Zwischenstück Elément interm. de fleche / Spezzone di braccio						
		2	11,60	1,13	2,25	2194
		3	11,60	1,13	1,80	1720
		4	5,30	1,13	1,80	620
		5	5,30	1,13	1,80	530
		6	5,30	1,13	1,80	470
		7	5,30	1,13	1,45	376
		8	5,30	1,13	1,45	326
		9	5,15	1,13	1,40	248
		11	5,15	1,13	2,25	1280
Gancho, Carro y Puntera / Hook, Trolley and jib head / Lasthaken - Laufkatze-Cabeça de Lança Crochet - Chariot-Pointe de fleche / Gancio - Carrello e Punta freccia						
			1,20	1,35	0,80	290
			0,80	0,15	1,50	330
			0,80	1,20	1,40	108
						
Viga principal base 6x6 / Main base beam / Hauptträger für fundamentkreuz Poutre de châssis de base / Trave principale della base			8,65	0,78	0,92	4300
Semiviga secundaria base 6x6 / Half base beam / Halbträger für fundamentkreuz Semipoutre de châssis de base / Semitrave secondaria della base			4,27	0,68	0,97	2025

			L(m)	W(m)	H(m)	Peso(Kg)
Niveladores / Levellers / Spindel pyramide / Niveleurs / Piedi regolabile			1,20	1,20	0,90	250
Traslacion / Travelling bogies / Kranfahren / Traslation / Traslazione			1,15 1,15	1,25 0,25	0,45 0,45	505 450
Elemento de torre TL16 / Tower section TL16 / Turmstück TL16 / Element de mât TL16 / Elemento di torre TL16		K K K L O O O P N X T U Z	11,8 5,9 3 11,8 11,8 5,9 3 11,8 5,9 6 6 6 6	1,85 1,85 1,85 1,85 2,27 2,27 2,27 2,27 2.27 2,27 2,31 2,61	1,85 1,85 1,85 1,85 2,27 2,27 2,27 2,27 2,29 2,29 2,34 2,34	4600 2472 1425 5520 5044 2640 1545 5700 3500 4000 4300 5910 5980
Unidad de rotacion / Complete slewing unit / Drehbühne / Orientation / Rotazione			4,40	2,00	2,00	6600
Cabina y soporte / Cabin and support / Kabine und wartungs / Cabine et support / Cabina e supporto			3,00	1,15	2,35	558

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DIN/FEM CE
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