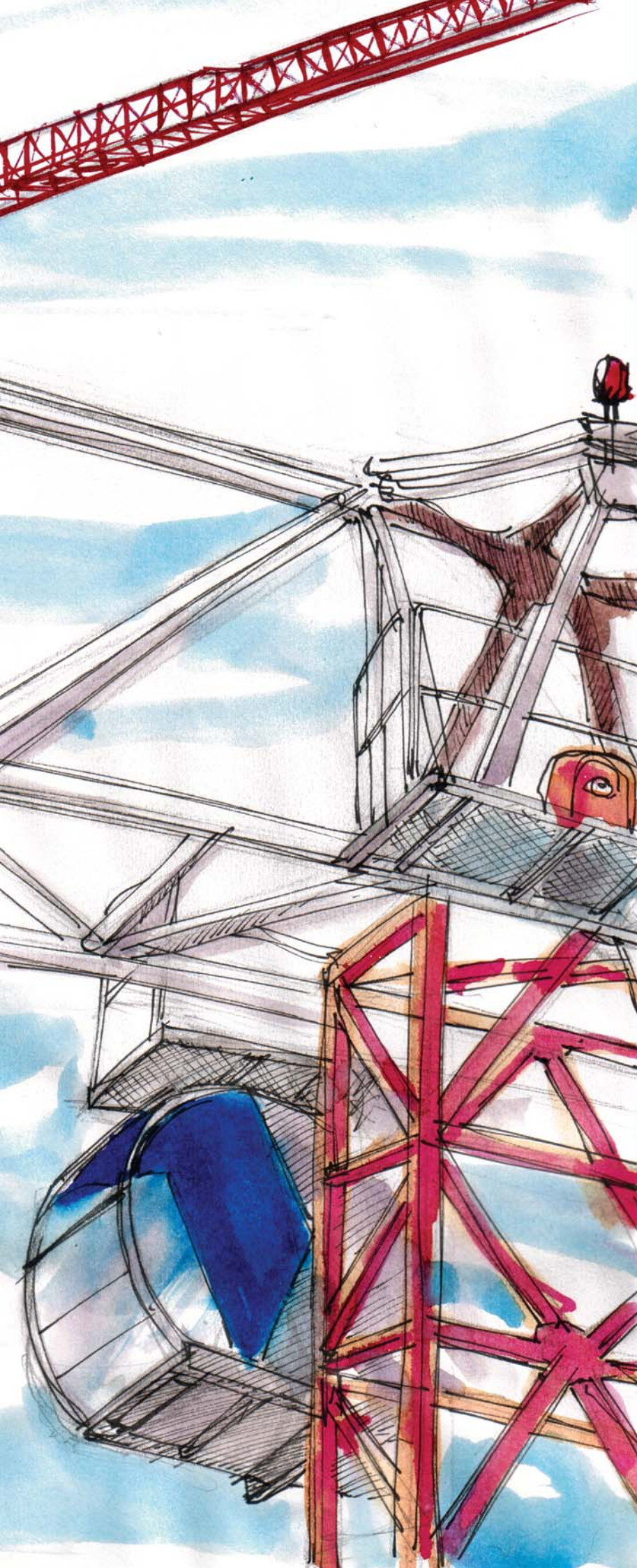
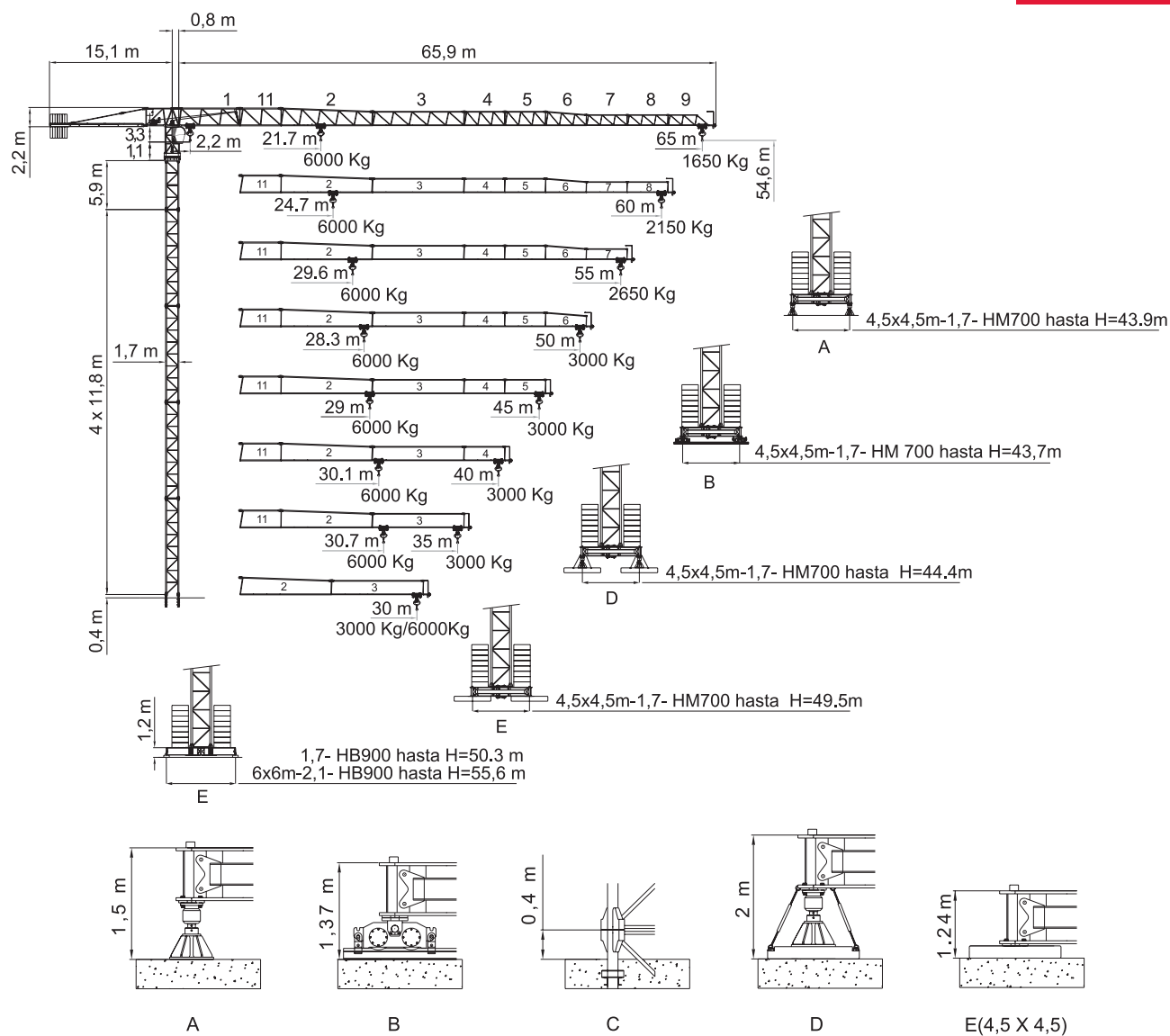


A watercolor illustration of a crane's lattice structure, showing a red crane arm at the top and a complex network of white and red beams below. A blue cylindrical component is visible on the left side of the structure. The background is a light blue sky with soft white clouds.

SAEZ

CRANES

TLS 656 'T
999 STI



65 m

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

m

Kg

60 m

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

m

Kg

55 m

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

m

Kg

50 m

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

m

Kg

45 m

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

m

Kg

40 m

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

m

Kg

35 m

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

m

Kg

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

Bloque de contrapeso, **Counterweight blocks**, Gegengewichtsböcke, **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
		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
		Kg	3000	3000	1500	6000	6000	3000
		Kw	24	24	24	24	24	24

	400 V 50 Hz	100m 4x25mm ²	GENERADOR 150 kVA	POTENCIA INSTALADA 46 KW
	380 V 60 Hz	100m 4x25mm ²	OPCIONAL	

* Opcional / Optional / Opzionale /

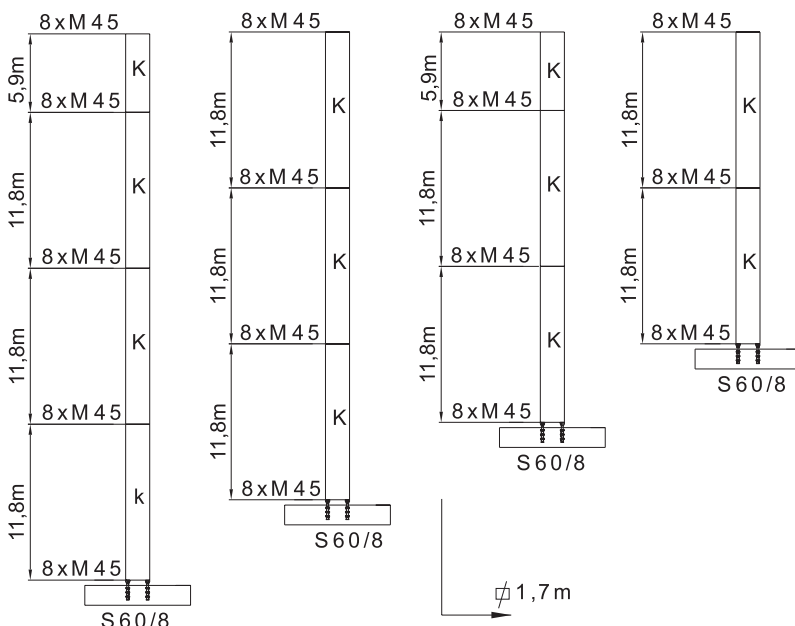
• Elevación / Hoisting / Heben / Levage / Sollevamento

• Distribución / Trolleying / Katzfahren / Distribution / Distribuzione

• Orientación / Slewing / Schwenken / Orientation / Rotazione

• Traslacion / Travelling / Schienenfahren / Translation / Traslazione

• Cable / Rope / Seil / Câble / Fune



Windzone A-B / DIN 15019

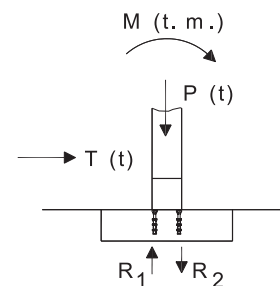
Mástil / Reacciones

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

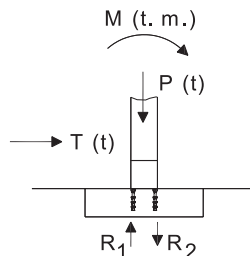
Mástil / Reacciones

Masts / Reactions

Maste / Eckdrücke

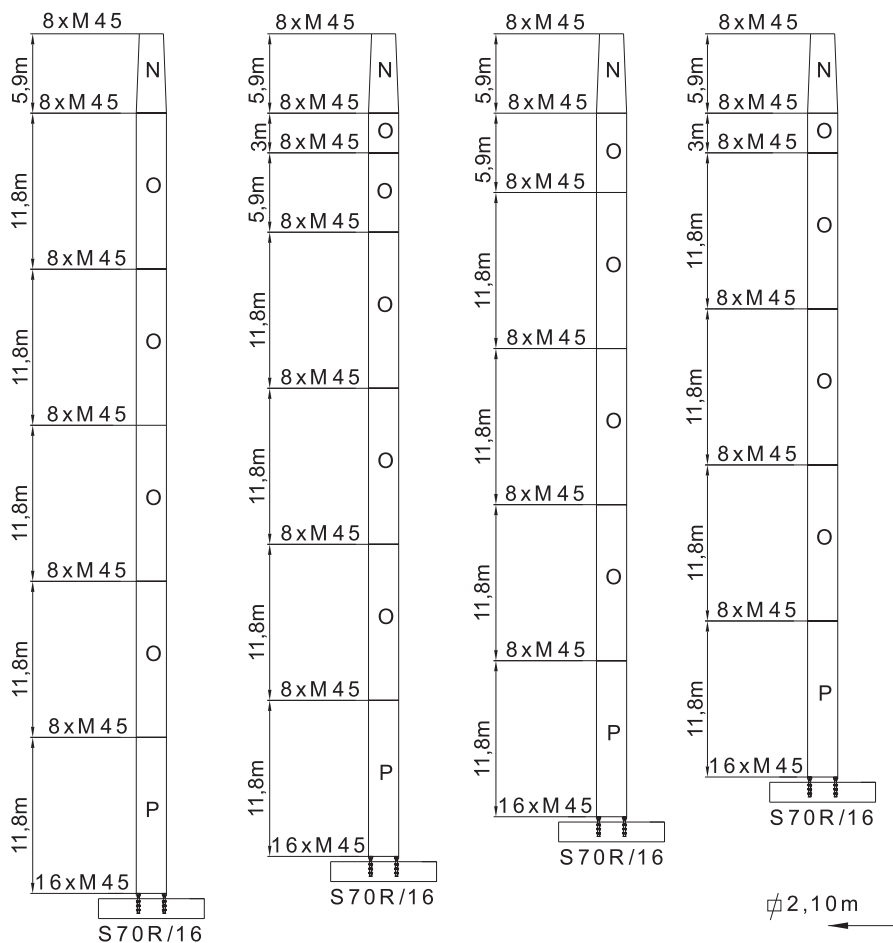
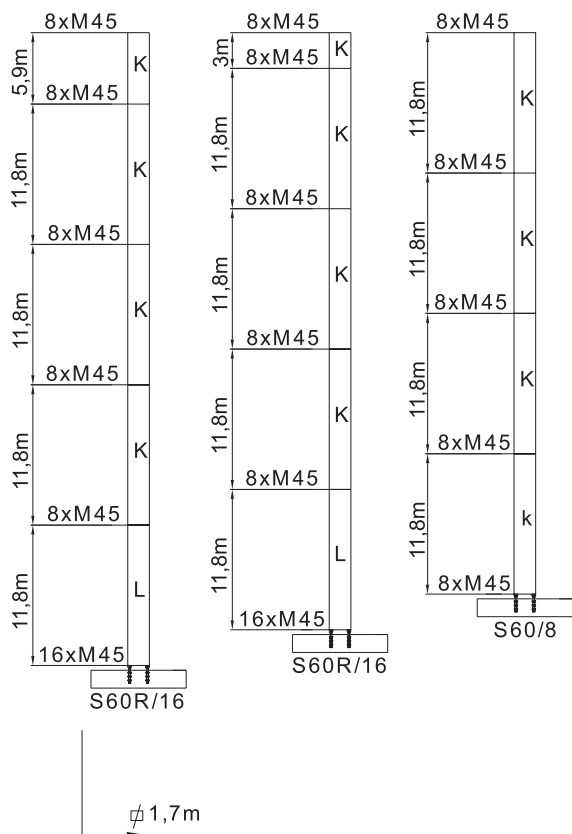
Mat / Réactions

Torre / Reazioni

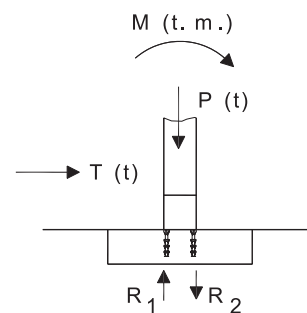


K = S17 8/8
L = S17 16/8
N = S17-S21 8/8
O = S21 8/8
P = S21 16/8

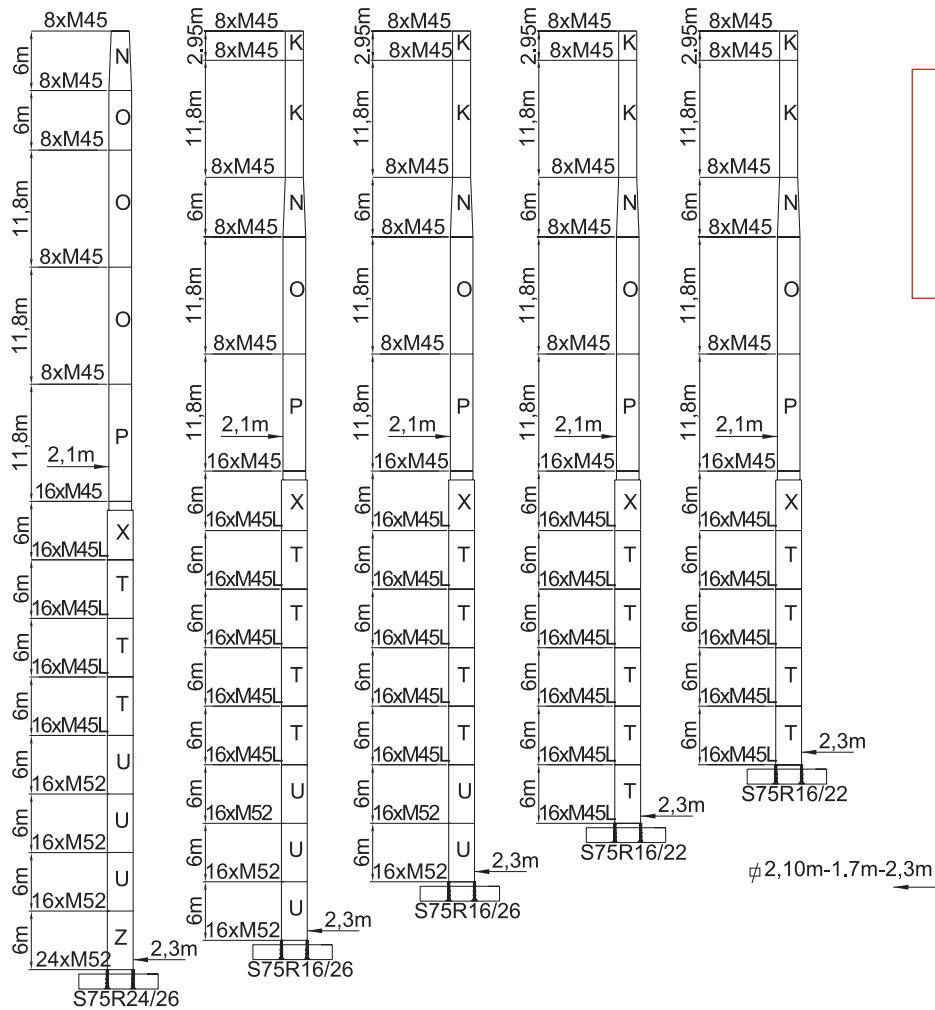
H (m)	54,6	51,7	48,7
M (T·m)	357,2	321,8	293,8
T (t)	10,6	10,1	9,7
P (t)	76,2	74,9	73,2
R ₁ (t)	151,4	135,0	120,3
R ₂ (t)	185,4	168,4	156,7



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

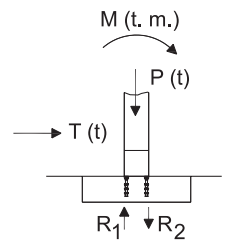
Masts / Reactions

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
R1(t)	--	411,4	411,4	281	232,3
R2(t)	--	463,1	463,1	321,3	271,8

Windzone A-B / DIN 15019

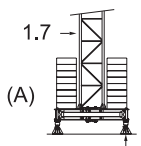
Bloque lastre de base

Base ballast block

Grundballastblöcke

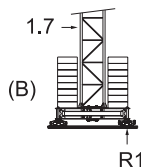
Bloc de lest de base

Blocco di zavorra alla base



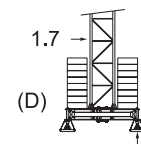
4,5 x 4,5 m-1,7- HM 700

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			

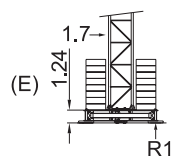


4,5 x 4,5 m-1,7- HM 700

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

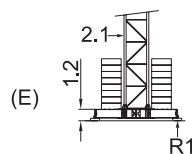
Bloque lastre de base , **Base ballast block**, Grundballastblöck, **Bloc de lest de base**, Blocco di zavorra alla base



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

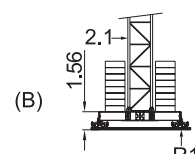
R1 (t)	82,4 t	86,7 t	88,1 t	94,4 t	95,3 t
H (m)	37,7 m	40,7 m	43,6 m	46,6 m	49,5 m
Z (t)	91,2 t	102,6 t	102,6 t	121,6 t	121,6 t



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 /

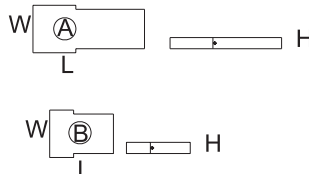
Counter-jib /
Gegenausleger /
Contre-fleche /
Controbraccio



11,94 1,80 0,60 2575

Bloque de contrapeso /

Counterweight blocks /
Gegengewichtsblöcke /
Bloc de contrepoids /
Blocco di contrappeso

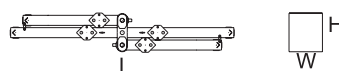


3,20 1,25 0,29 2500

1,83 1,25 0,29 1500

Base Cruciforme 4,5 X4,5 /

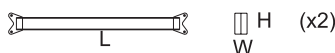
Crossbase 4,5 X 4,5 /
Fundamentkreuz 4,5 X 4,5 /
Châsis 4,5 X 4,5 /
Carro base 4,5 X 4,5



6,70 1,10 1,20 5750

Vigas auxil. de base /

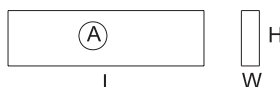
Half base beams /
Halbträger für fundamentkreuz /
Semipoutre de châsis de base /
Travi di congiunzi di congiunzione



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



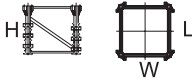
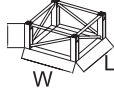
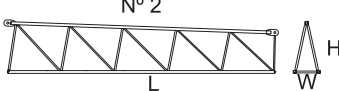
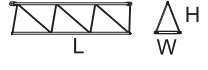
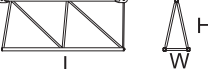
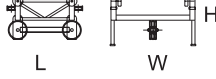
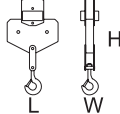
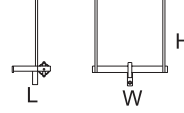
4,40 0,30 1,20 3800

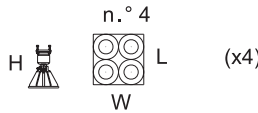
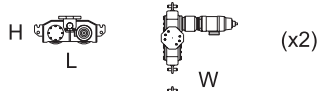
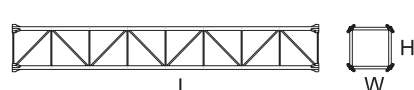
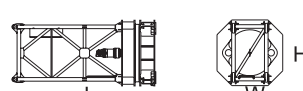
Bloque apoyo de base /

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 Utillaje tramo de empotre Tool fixing anchors Vorrichtung fundamentanker Outillage de L'emént de scellement Ferramenta troncheto fondazione	 Dima 			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
		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 Élément interm. de fleche / Spezzzone di braccio	    					
		Nº 2				
		Nº 3, Nº 4, Nº 5				
		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
		Nº 7, Nº 8, Nº 9				
		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 secundaria 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 / Traslacion / Traslazione		1,15	1,25	0,45	505
		1,15	0,25	0,45	450
Elemento de torre TL16 / Tower section TL16 / Turmstück TL16 / Element de mât TL16 / Elemento di torre TL16		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
		O 11,8	2,27	2,27	5044
		O 5,9	2,27	2,27	2640
		O 3	2,27	2,27	1545
		P 11,8	2,27	2,27	5700
		N 5,9			3500
		X 6	2,27	2,29	4000
		T 6	2,27	2,29	4300
		U 6	2,31	2,34	5910
		Z 6	2,61	2,34	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

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.



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