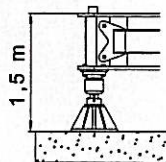
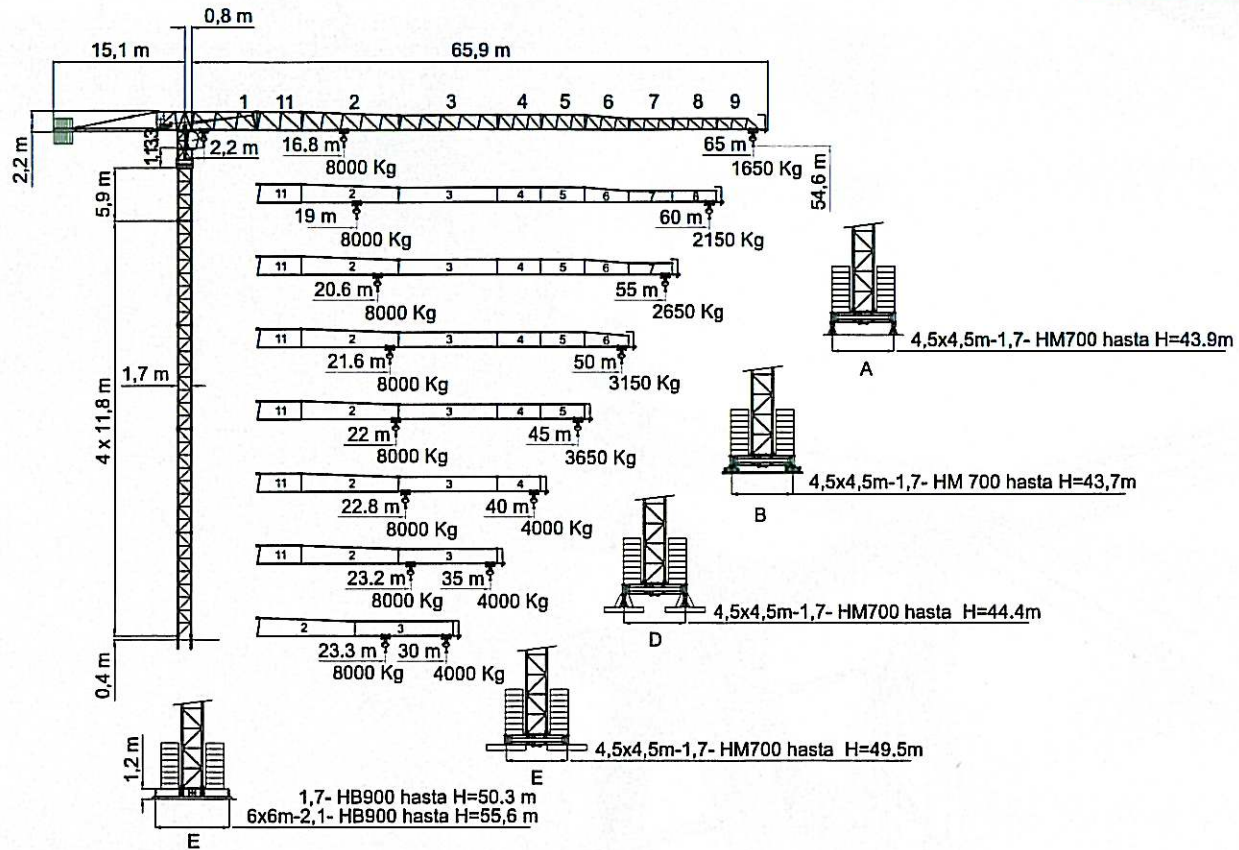




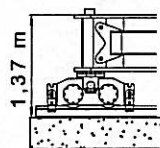
SAEZ

CRANES

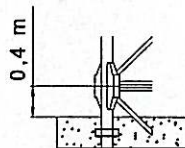
TLS 658^{8T}



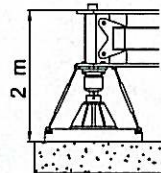
A



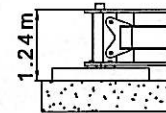
B



C



D



E(4,5 X 4,5)

	10	15	20	25	30	31,5	35	40	45	50	55	60	65	m	
65 m	4000	4000	4000	4000	4000	4000	3540	3030	2630	2310	2050	1830	1650	Kg	
	10	15	16,8	20	25	30	35	40	45	50	55	60	65	m	
	8000	8000	8000	6560	5070	4090	3390	2880	2480	2160	1900	1680	1500	Kg	
	10	15	20	25	30	35	38,8	40	45	50	55	60		m	
60 m	4000	4000	4000	4000	4000	4000	4000	3510	3050	2690	2400	2150		Kg	
	10	15	19	20	25	30	35	40	45	50	55	60		m	
	8000	8000	8000	7540	5850	4730	3940	3360	2900	2540	2250	2000		Kg	
	10	15	20	25	30	35	35,72	40	45	50	55			m	
55 m	4000	4000	4000	4000	4000	4000	3860	3360	2970	2650				Kg	
	10	15	20	20,6	25	30	35	40	45	50	55			m	
	8000	8000	8000	8000	6420	5210	4350	3710	3210	2820	2500			Kg	
	10	15	20	25	30	35	40,73	40	45	50				m	
50 m	4000	4000	4000	4000	4000	4000	4000	4080	3560	3150				Kg	
	10	15	20	21,6	25	30	35	40	45	50				m	
	8000	8000	8000	8000	6780	5510	4610	3930	3410	3000				Kg	
	10	15	20	25	30	35	40	45						m	
45 m	4000	4000	4000	4000	4000	4000	4000	3650						Kg	
	10	15	20	22	25	30	35	40	45					m	
	8000	8000	8000	8000	6940	5640	4720	4030	3500					Kg	
	10	15	20	25	30	35	40							m	
40 m	4000	4000	4000	4000	4000	4000	4000							Kg	
	10	15	20	22,8	25	30	35	40						m	
	8000	8000	8000	8000	7210	5860	4910	4200						Kg	
	10	15	20	25	30	35								m	
35 m	4000	4000	4000	4000	4000	4000								Kg	
	10	15	20	23,2	25	30	35							m	
	8000	8000	8000	8000	7340	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.

45 Hp (33Kw) - CC-5V
H.B.G 126Mts S/R Ø12
H.B.G LEBUS 320Mts S/R Ø12

		m/min	0-45.7	0-52	0-81	0-117	0-23.7	0-26	0-40	0-58
		Kg	4000	3000	2000	1250	8000	6000	4000	2500
		Kw	33	33	33	33	33	33	33	33

45 Hp (33Kw) - INV-5V
H.B.G 126Mts S/R Ø12
H.B.G LEBUS 320Mts S/R Ø12

		m/min	0-6.3	0-42	0-56	0-76.4	0-104	0-15	0-21	0-28	0-38	0-52
		Kg	4000	4000	3000	2000	1250	8000	8000	6000	4000	2500
		Kw	33	33	33	33	33	33	33	33	33	33

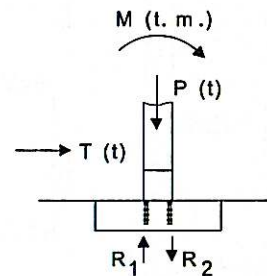
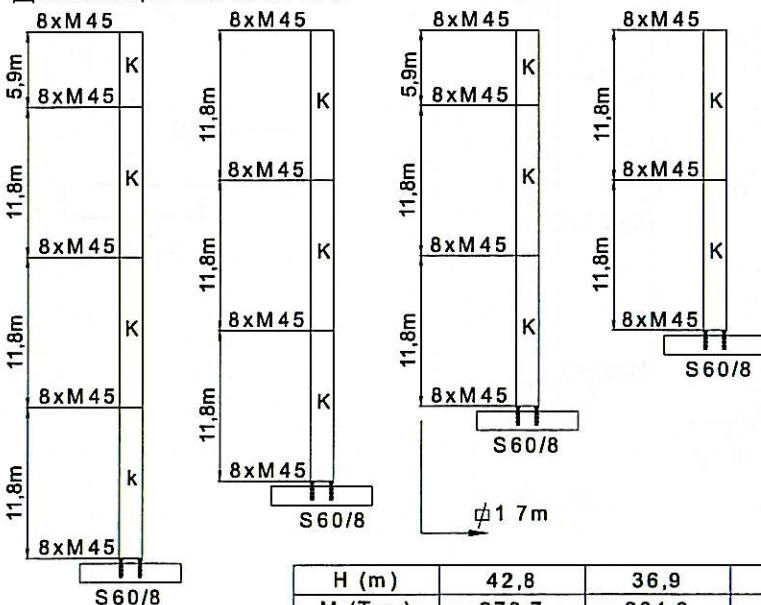
		m/min	11 / 37 / 75			11 / 37 / 75		
		Kw	3,0			3,0		
		r.p.m	0,3	0,6	0,9	0,3	0,6	0,9
		Nm	2 x 65			2 x 65		
		m/min	12 / 24			12 / 24		
		Kw	4 x 3			4 x 3		

	400 V 50 Hz	100m 4x35mm ²	GENERADOR 300 kVA	POTENCIA INSTALADA 60 KW
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	380 V 60 Hz	100m 4x35mm ²	OPCIONAL	
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- Elevación / Hoisting / Heben / Levage / Sollevamento
- Distribución / Trolleying / Katzfahren / Distribution / Distribuzione
- Orientación / Slewing / Schwenken / Orientation / Rotazione
- Traslación / 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 = S 17 8/8
L = S 17 16/8
N = S 17-S 21 8/8
O = S 21 8/8
P = S 21 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

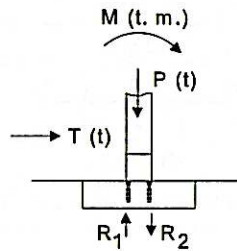
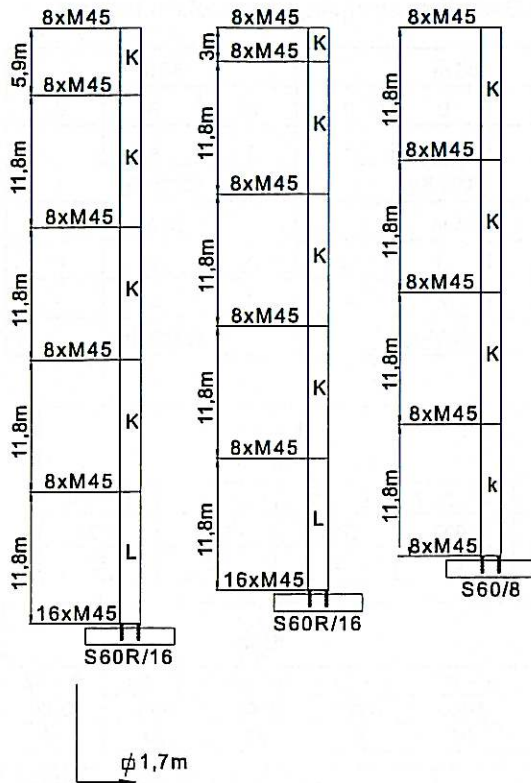
Mástil / Reacciones

Masts / Reactions

Maste / Eckdrücke

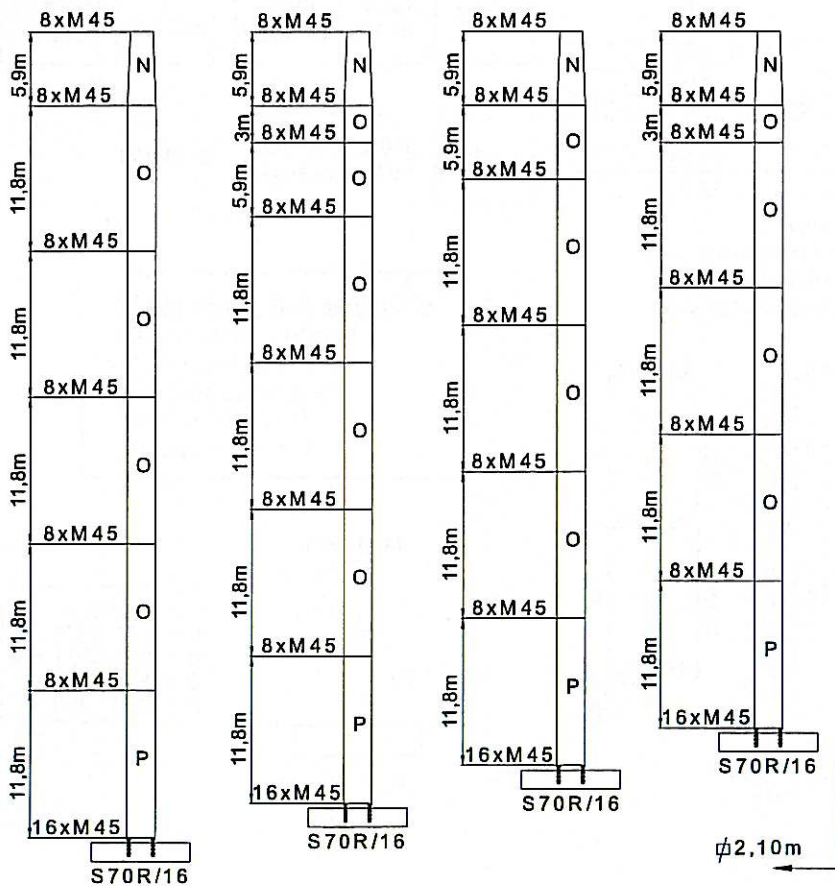
Mat / Réactions

Torre / Reazioni

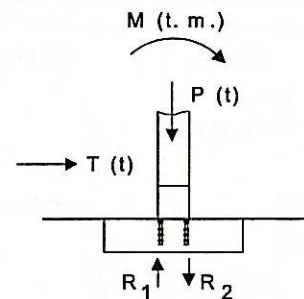


K = S17 8/8
L = S17 16/8
N = S17-S21 8/8
O = S21 8/8
P = S21 16/8

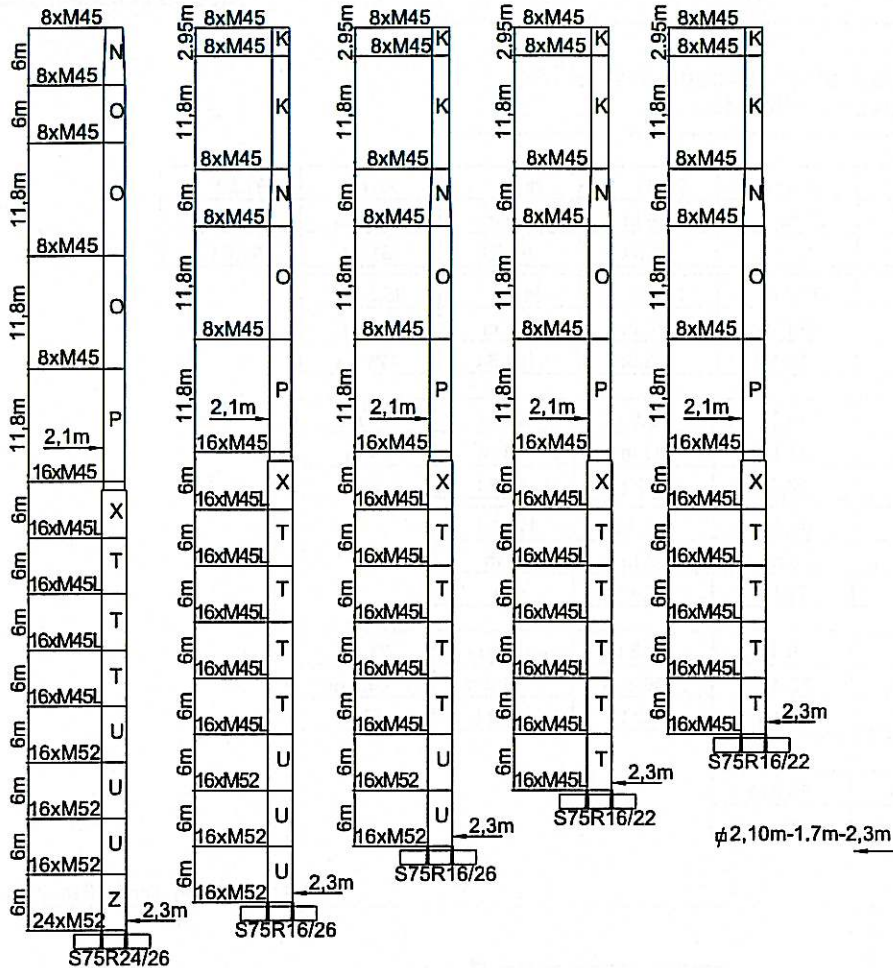
H (m)	54,6	51,7	48,7
M (T·m)	357,2	321,8	293,8
T (t)	10,6	10,1	9,7
P (t)	76,2	74,9	73,2
R ₁ (t)	151,4	135,0	120,3
R ₂ (t)	185,4	168,4	156,7



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

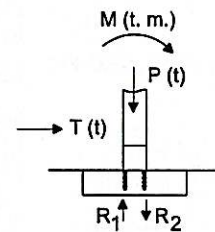
Masts / Reactions

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

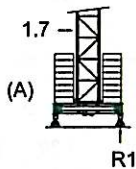
Bloque lastre de base

Base ballast block

Grundballastblöcke

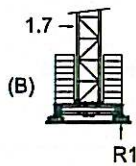
Bloc de lest de base

Blocco di zavorra alla base



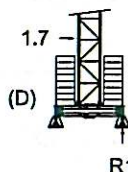
4,5 x 4,5 m-1,7- HM 700

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			

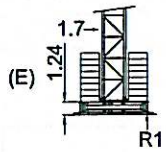


4,5 x 4,5 m-1,7- HM 700

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

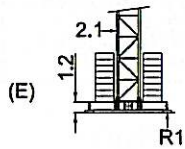
Bloque lastre de base, **Base ballast block**, Grundballastblöcke,
Bloc de lest de base, Blocco di zavorra alla base



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 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

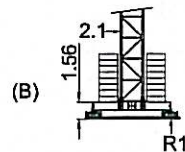
R1 (t)	82,4 t	86,7 t	88,1 t	94,4 t	95,3 t
H (m)	37,7 m	40,7 m	43,6 m	46,6 m	49,5 m
Z (t)	91,2 t	102,6 t	102,6 t	121,6 t	121,6 t



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 /

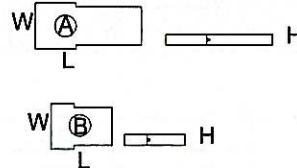
Counter-jib /
Gegenausleger /
Contre-fleche /
Controbraccio



11,94 1,80 0,60 2575

Bloque de contrapeso /

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

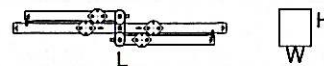


3,20 1,25 0,29 2500

1,83 1,25 0,29 1500

Base Cruciforme 4,5 X4,5 /

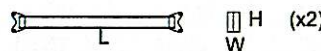
Crossbase 4,5 X 4,5 /
Fundamentkreuz 4,5 X 4,5 /
Châsis 4,5 X 4,5 /
Carro base 4,5 X 4,5



6,70 1,10 1,20 5750

Vigas auxil. de base /

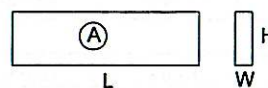
Half base beams /
Halbträger für fundamentkreuz /
Semipoutre de châsis de base /
Travi di congiunzi di congiunzione



4,40 0,30 0,55 220

Bloque lastre de base /

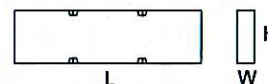
Base ballast block /
Grundballastblöcke /
Bloc de lest de base
Blocco di zavorra alla base



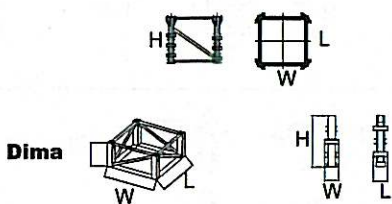
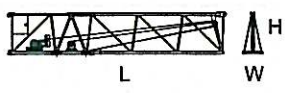
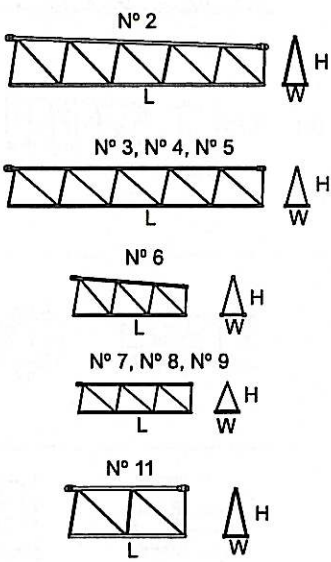
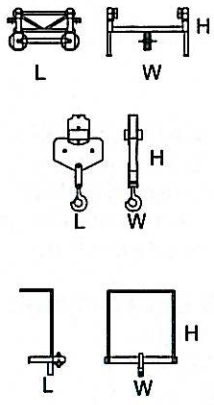

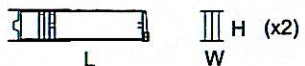
4,40 0,30 1,20 3800

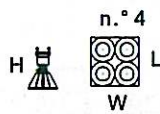
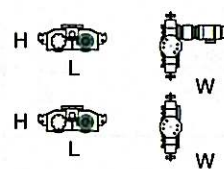

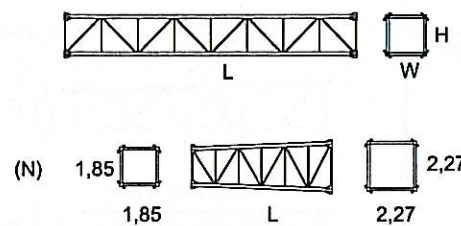
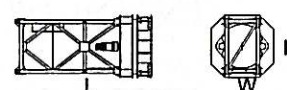

Bloque apoyo de base /

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				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 (x4)	300
		S75R16/22	0,5	0,5	2,5 (x4)	710
		S75R16/26	0,5	0,5	2,5 (x4)	790
		S75R24/26	0,5	0,5	2,5 (x4)	850
		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
Elemento intermedio de pluma / Intermediate jib section / Ausleger-Zwischenstück Elément interm. de fleche / Spezzone di braccio						
Gancho, Carro y Puntera / Hook, Trolley and jib head / Lasthaken - Laufkatze-Cabeça de Lança Crochet - Chariot-Pointe de fleche / Gancio - Carrello e Punta freccia						
Viga principal base 6x6 / Main base beam / Hauptträger für fundamentkruz Poutre de châssis de base / euz Trave principale della base		8,65	0,78	0,92	4300	
Semiviga secundaria base 6x6 / Half base beam / Halbträger für fundamentkruz 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	 (x4)	1,20	1,20	0,90	250
Traslacion / Travelling bogies / Kranfahren / Traslation / Traslazione	 (x2)	1,15	1,25	0,45	505
	 (x2)	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 K 5,9 K 3 L 11,8 O 11,8 O 5,9 O 3 P 11,8 N 5,9 X 6 T 6 U 6 Z 6	1,85 1,85 1,85 1,85 2,27 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

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

