






Curvas de cargas - Load diagrams - Lastkurven - Courbes de charges - Curve di carico -
 - График грузоподъёмности


55,0 m	20,0	22,5	25,0	27,5	30,0	31,5	35,0	37,5	40,0	42,5	45,0	47,5	50,0	52,5	55,0	m	
	2500	2500	2500	2500	2500	2500	2210	2030	1880	1750	1630	1520	1430	1340	1270	Kg	
	16,7	22,5	25,0	27,5	30,0	32,5	35,0	37,5	40,0	42,5	45,0	47,5	50,0	52,5	55,0	m	
5000	3540	3120	2780	2500	2270	2070	1890	1740	1610	1490	1380	1290	1200	1130	Kg		

50,0 m	20,0	22,5	25,0	27,5	30,0	33,2	35,0	37,5	40,0	42,5	45,0	47,5	50,0	m	
	2500	2500	2500	2500	2500	2500	2210	2160	2000	1860	1740	1630	1530	Kg	
	17,5	22,5	25,0	27,5	30,0	32,5	35,0	37,5	40,0	42,5	45,0	47,5	50,0	m	
5000	3750	3320	2960	2670	2420	2210	2020	1860	1720	1600	1490	1390	Kg		



45,0 m	20,0	22,5	25,0	27,5	30,0	32,5	34,2	37,5	40,0	42,5	45,0	m	
	2500	2500	2500	2500	2500	2500	2500	2240	2080	1930	1810	Kg	
	18,1	22,5	25,0	27,5	30,0	32,5	35,0	37,5	40,0	42,5	45,0	m	
5000	3890	3440	3070	2770	2510	2290	2100	1940	1790	1670	Kg		



40,0 m	20,0	22,5	25,0	27,5	30,0	32,5	35,7	37,5	40,0	m	
	2500	2500	2500	2500	2500	2500	2500	2360	2190	Kg	
	18,9	22,5	25,0	27,5	30,0	32,5	35,0	37,5	40,0	m	
5000	4090	3610	3230	2910	2640	2410	2220	2050	Kg		

35,0 m	20,0	22,5	25,0	27,5	30,0	32,5	35,0	m	
	2500	2500	2500	2500	2500	2500	2500	Kg	
	19,6	22,5	25,0	27,5	30,0	32,5	35,0	m	
5000	4260	3770	3370	3040	2760	2530	Kg		

30,0 m	20,0	22,5	25,0	27,5	30,0	m	
	2500	2500	2500	2500	2500	Kg	
	19,6	22,5	25,0	27,5	30,0	m	
5000	4270	3770	3380	3050	Kg		




Bloque de contrapeso - Counterweight blocks - Gegengewichtsblöcke - Bloc de contrepoid - Blocco di contrappeso - Плиты противовеса





	55 m			50 m			45 m		
	A	B	C	A	B	C	A	B	C
	2	2	2	2	2	1	2	1	2
	12400 Kg			11300 Kg			10050 Kg		

	40 m			35 m			30 m		
	A	B	C	A	B	C	A	B	C
	2	1	1	1	2	-	1	1	1
	8950 Kg			7450 Kg			6200 Kg		



Mecanismos - Mechanisms - Antriebe - Mécanismes - Meccanismi - Приводы


40Hp (30Kw) - INV - 5V
400V - 50HZ / 60HZ
HBG 181m S/R Ø14

		m/min	0--8	0--34	0--52	0--65	0--104	0--4	0--17	0--26	0--32,5	0--52,0
		Kg	2500	2500	1500	1000	500	5000	5000	3000	2000	1000
		Kw	30	30	30	30	30	30	30	30	30	30

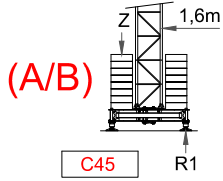
	m/min	11-37-75
	Kw	4,0
	r.p.m.	0 - 0,7
	Kw	2 x 4,0
	m/min	12 / 24
	Kw	4 x 3

40Hp (30Kw) - INV

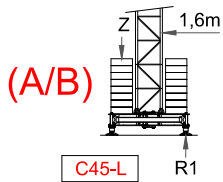
		400V 50Hz I _{max.} = 72A Fuse = 80A	TOTAL POWER 42 KVA	GENERATOR 75 KVA	100m	150m	200m
2000/14/CEE 2005/88/CEE	2006/95 /CEE	* 480V 60Hz I _{max.} = 60A Fuse = 70A			4x25mm ²	4x35mm ²	4x35mm ²

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

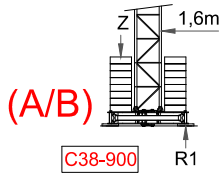
Bloque lastre de base - Base ballast block - Grundballastblöcke - Bloc de lest de base - Blocco di zavora alla base - Балласты опорной рамы



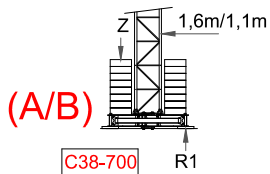
H (m)	25,0 m	27,7 m	30,7 m	33,6 m	35,1 m	38,1 m	41,1 m	44,1 m
R1 (t)	66,9 t	70,5 t	74,6 t	79 t	83,7 t	89 t	100 t	114,3 t
Z (t)	60 t	60 t	60 t	60 t	70 t	80 t	80 t	90 t



H (m)	27,7 m	30,7 m	33,6 m	35,1 m	38,1 m	41,1 m	44,1 m	50,1 m
R1 (t)	70,5 t	74,6 t	79 t	83,7 t	89 t	100 t	114,3 t	141,5 t
Z (t)	60 t	60 t	60 t	70 t	80 t	80 t	90 t	130 t

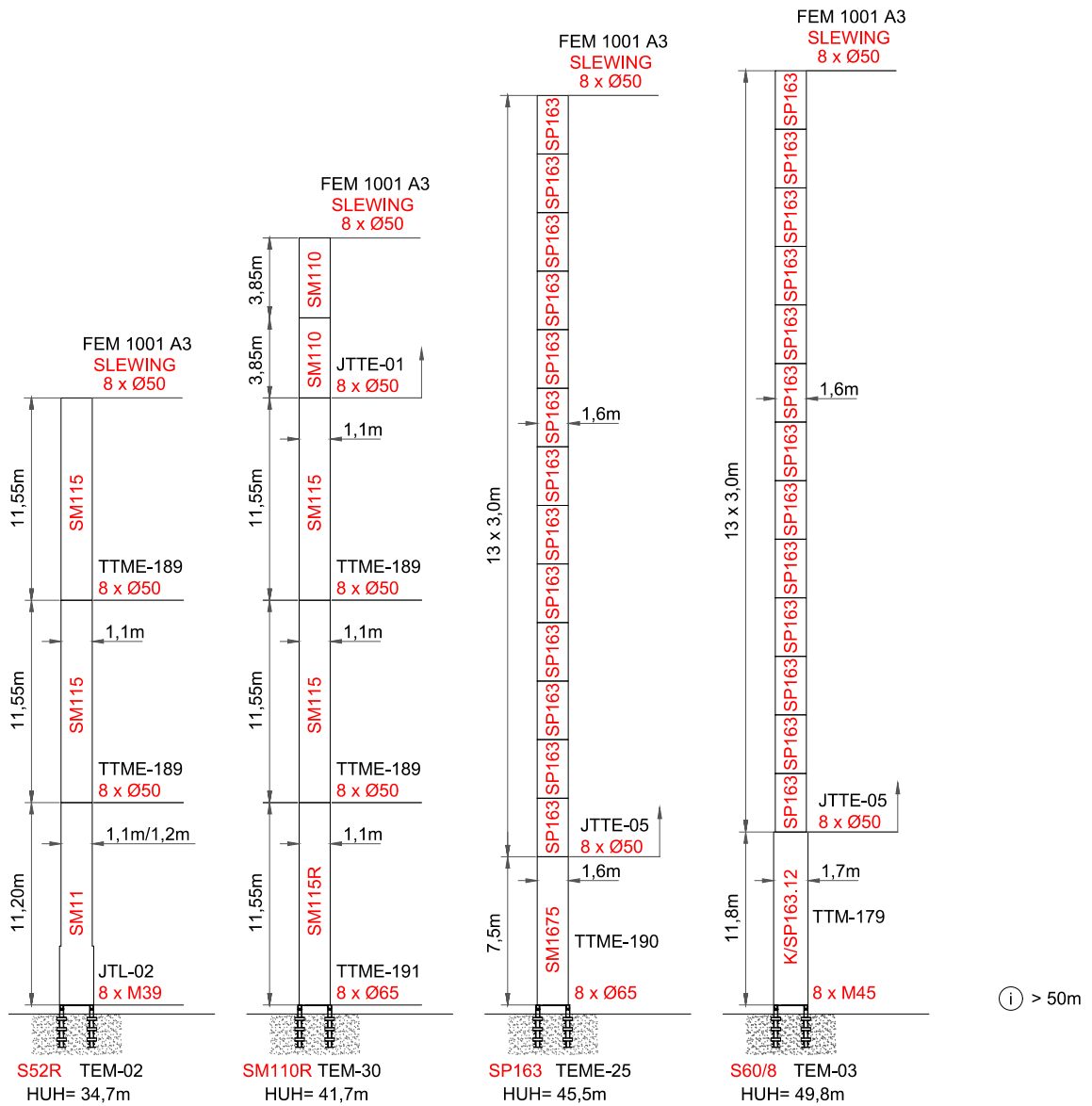


H (m)	26,1 m	29,9 m	33,8 m	37,6 m	42,8 m
R1 (t)	80,5 t	85 t	88,9 t	95,4 t	101,3 t
Z (t)	70 t	70 t	80 t	90 t	100 t



H (m)	23,3 m	27,1 m	31,0 m
R1 (t)	80,5 t	85 t	88,9 t
Z (t)	70 t	70 t	80 t

Mástil / Masts / Maste / Mat / Torre / Torre / Комплектация башни

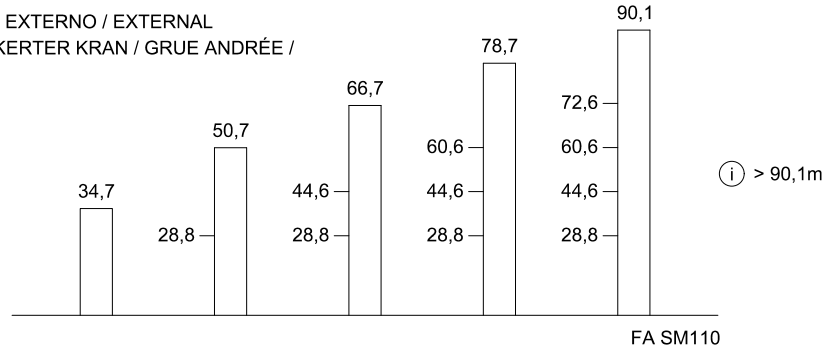


(i) > 50m

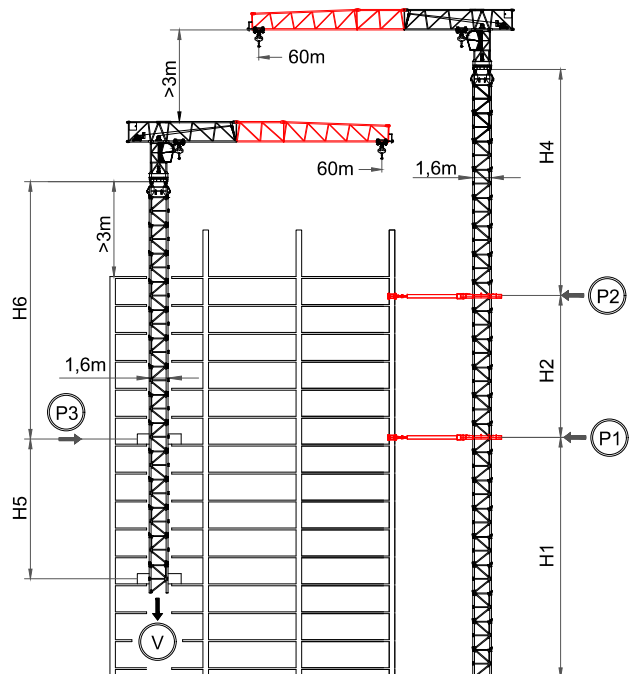
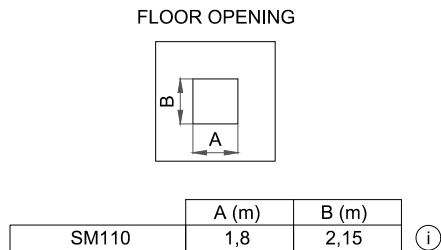
(i) Consultarnos - Consultateci - Consult us - Nous consulter - Auf anfrage

Proceso de trepado - Climbing - Kletterkrane - Telescopable - Sopralzo idraulico - Процесс наращивания крана

SM110 - TREPADO EXTERNO / EXTERNAL CLIMBING / GEANKERTER KRAN / GRUE ANDRÉE / GRU ANCORATA



SM110 - TREPADO INTERNO / BOTTOM CLIMBING CRANE / KLETTERKRANE IM GEBÄUDE / TÉLESCOPAGE SUR DALLES / GRU CLIMBING



SP163 - DIMENSIONES Y REACCIONES / DIMENSIONS AND FORCES / ABMESSUNGEN UND REAKTIONEN / DIMENSIONS ET RÉACTIONS / DIMENSIONI E REAZIONI

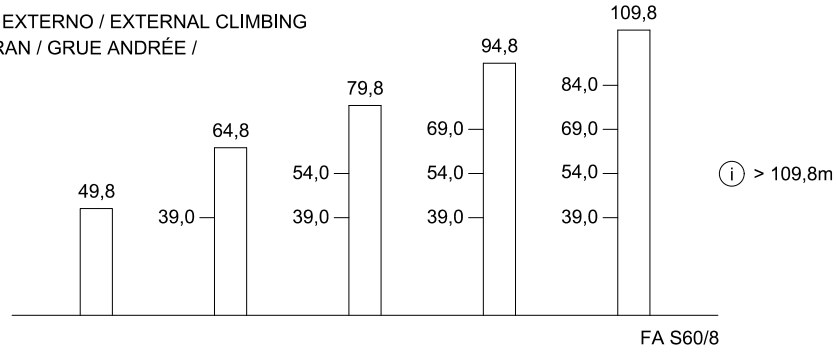
SM110		IN SERVICE*	OUT OF SERVICE*
H	m	t	t
H1	≤ 28,9		
H2	≤ 15,4		
H4	≤ 23,1		
H5	≤ 11,6		
H6	≤ 19,25		
P1	60 m 		
P2			
P3			
P4			
V			

*To confirm in each climbing project.

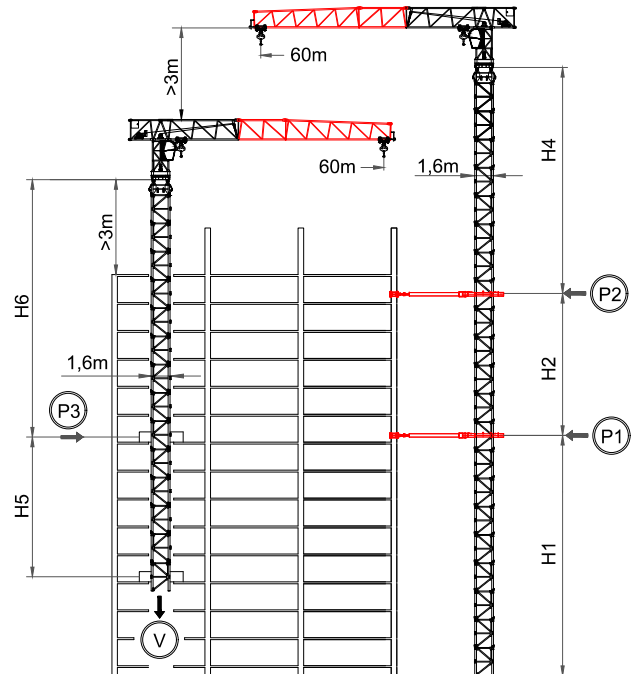
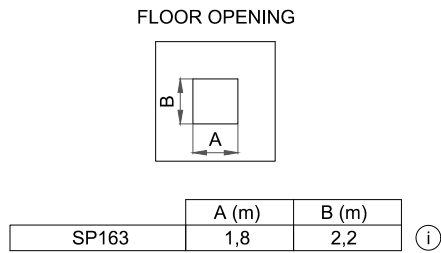
(i) Consultarnos - Consultateci - Consult us - Nous consulter - Auf anfrage

Proceso de trepado - Climbing - Kletterkrane - Telescopable - Sopralzo idraulico - Процесс наращивания крана

SP163 - TREPADO EXTERNO / EXTERNAL CLIMBING
/ GEANKERTER KRAN / GRUE ANDRÉE /
GRU ANCORATA



SP163 - TREPADO INTERNO / BOTTOM CLIMBING CRANE /
KLETTERRANE IM GEBÄUDE / TÉLESCOPAGE SUR DALLES /
GRU CLIMBING



SP163 - DIMENSIONES Y REACCIONES / DIMENSIONS
AND FORCES / ABMESSUNGEN UND REAKTIONEN /
DIMENSIONS ET RÉACTIONS / DIMENSIONI E REAZIONI

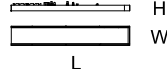
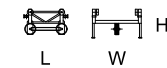
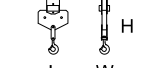
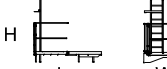
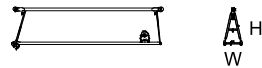
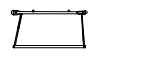






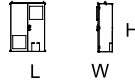

SP163		IN SERVICE*	OUT OF SERVICE*
H	m	t	t
H1	≤ 39,0		
H2	≤ 15,0		
H4	≤ 25,0		
H5	≤ 18,0		
H6	≤ 24,0		
P1			
P2			
P3	60 m		
P4			
V			

*To confirm in each climbing project.


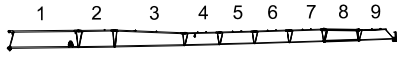
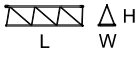
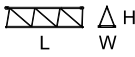
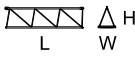
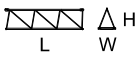
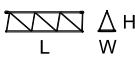

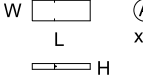
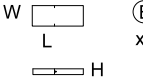
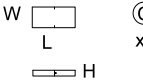
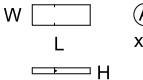
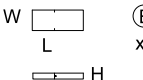
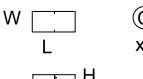
(i) Consultarnos - Consultateci - Consult us - Nous consulter - Auf anfrage

Dimensiones y transporte - dimensions and transport - Abmessungen und Transport - dimensions et des transports - dimensioni e trasporti - Размеры и транспорта











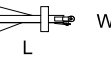
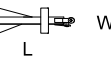
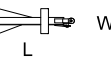
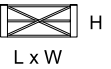
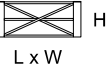
UPPER PART STC 55 13 5T

CODE	ELEMENT		L(m)	W(m)	H(m)	Weight(Kg)
G55E-001	Counterjib 1		11,94	1,25	0,7	2600
	Jib Trolley		1,90	1,91	1,10	230
	Hoist Block		1,10	0,4	1,40	250
	Support cabin		2,55	1,7	2,23	293
	Jib 1		10,20	1,21	2,10	1545
	Jib 2		5,3	1,21	2,09	672
	Jib 3		10,3	1,21	2,06	835
	Jib end		0,61	1,45	1,5	100
	Slewing unit		2,5	2,5	2,5	3100
			2,12	1,41	2,14	707
EQEE5512-002 Electrical Pan Incl.	Hoist winch 33 HP INV		1,7	1,2	0,7	950
EQEE5512-001 Electrical Pan Excl.	Hoist winch 40 HP INV		1,37	1,56	0,9	1365
AGT-174	Electrical Panel 2230		2,30	1,6	1,8	770
AGTE-165	Cabin EKO		3,30	1,8	2,4	1030
AGT-08	Cabin STANDARD		3,30	1,8	2,4	1230
AGT-09	Cabin DELUXE		3,30	1,8	2,4	1230
AGT-180	Cabin Support STAND.		460			
AGT-181	Supplemental Balcony		180			

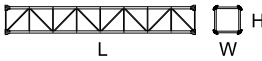
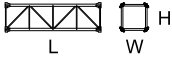


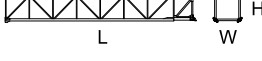

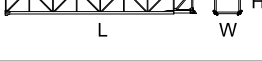
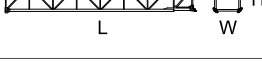
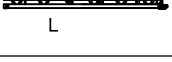
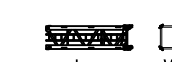
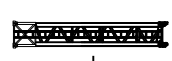




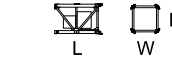

UPPER PART STC 55 13 5T

CODE	ELEMENT		L(m)	W(m)	H(m)	Weight(Kg)
P55E-001	Jib 55m					5240 Kg
	Jib 4		5,20	1,10	1,56	411 Kg
	Jib 5		5,20	1,10	1,54	404 Kg
	Jib 6		5,20	1,10	1,37	333 Kg
	Jib 7		5,18	1,10	1,35	271 Kg
	Jib 8		5,18	1,10	1,35	271Kg
	Jib 9		5,15	1,10	1,35	247 Kg
LMOE-15 Unfilled Air Ballast Frame Kit	Air ballast type A		4,0	0,82	0,35	140
	Air ballast type B		3,4	0,82	0,35	120
	Air ballast type C		1,6	0,82	0,35	90
LMOE-18 Concrete Filled Air Ballast Frame Kit	Air ballast type A		4,0	0,82	0,35	2750
	Air ballast type B		3,4	0,82	0,35	2350
	Air ballast type C		1,6	0,82	0,35	1100

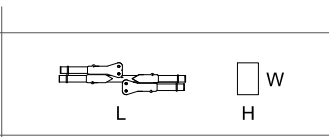
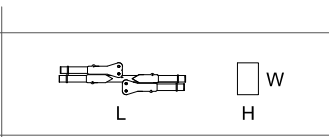
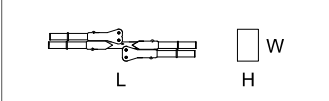
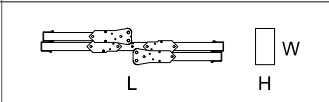
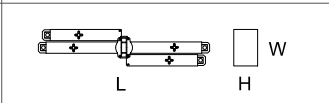
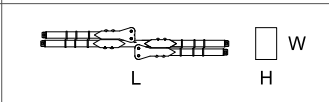
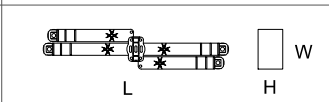
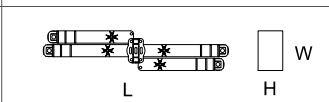
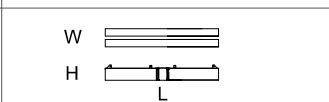

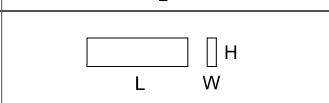
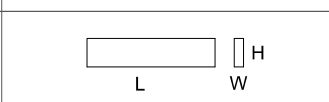
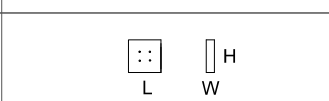
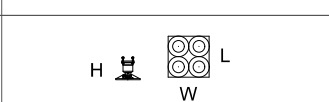
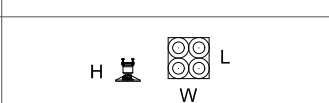
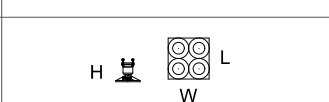
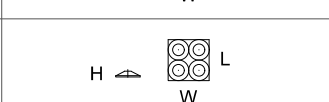
FOUNDATION ANCHOR

CODE	ELEMENT		L(m)	W(m)	H(m)	Weight(Kg)
TEM-02	S52R	 L x W	1,39	1,38	1,3	550
TEM-03	S60/8	 L x W	1,85	1,85	1,6	956
TEM-04	S60R/16	 L x W	1,85	1,85	1,6	1108
TEM-05	S70/8	 L x W	2,27	2,27	1,6	1122
TEM-06	S70R/16	 L x W	2,27	2,27	1,6	1274
TEM-13	S60/8	 L x W H	0,35	0,35	1,6	239
TEM-14	S60R/16	 L x W H	0,35	0,35	1,6	277
TEM-15	S70/8	 L x W H	0,35	0,35	1,6	280,5
TEM-16	S70R/16	 L x W H	0,35	0,35	1,6	318,5
TEM-07	S75R/16/22	 L x W H	0,54	0,54	2	350
TEME-26	SP203 8 x Ø65	 L W	0,8	0,8	1,6	1410 (4x)
TEME-25	SP163 8 x Ø65	 L W	0,8	0,8	1,9	1110 (4x)
TEM-30	SM110 8 x Ø50 SM110R 8 x Ø65	 L W	0,8 0,8	0,8 0,8	1,9 1,9	1140 (4x) 1420 (4x)
TEM-23	DIMA Type O	 L x W	2,31	2,34	0,8	1650
TEM-20	DIMA Type T / U / Z	 L x W	2,60	2,60	1,0	2500




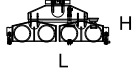




TOWER SECTION

CODE	ELEMENT		L(m)	W(m)	H(m)	Weight(Kg)
TTM-37	Type T (S23)		12	2,27	2,29	9000
TTM-29	Type T (S23)		6	2,27	2,29	4780
TTM-28	Type T (S23)		3	2,27	2,29	2750
TTM-25	Type X (S21/S23)		5,9	2,27	2,29	4830
TTM-179	Type K11,8/SP163		11,8	1,85	1,85	4620
TTM-180	Type K5,9/SP163		5,9	1,85	1,85	2505
TTM-178	Type L12/SP163		11,8	1,8	1,8	5760
TTM-175	Type P/SP203		11,8	2,27	2,1	5890
TTME-189	SM115		11,71	1,2	1,2	3300
TTME-191	SM115R		11,71	1,2	1,2	3950
JTTE-01	SM110		4,01	1,10	1,14	1400
JTL-02	SM11		11,20	1,38	1,21	3695
TTM-190	SM1675		7,75	1,73	1,68	3490
TTM-187	SM2090		9,26	2,09	2,09	6560
TTME-181	Transfer Section Type 203/163		2,0	2,0	1,9	1866
JTTE-05	Climbing tower Type SP163		3,25	1,6	1,7	1190
JTTE-13	Climbing tower Type SP203		3,2	2,0	2,0	1520

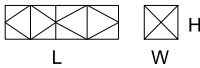
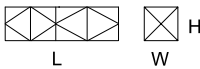
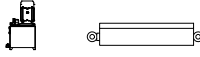
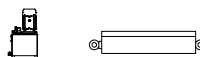


CROSSBASES

CODE	ELEMENT		L(m)	W(m)	H(m)	Weight(Kg)
BA0-14	C38-700		5,75	1,47	0,77	3670
BA0-15	C38-900		5,75	1,47	0,97	5550
BA0-03	C45-700		6,7	1,3	0,77	6190
BA0-09	C45R-P		6,9	1,94	1,14	9000
BA0-05	C60-900		8,66	1,47	0,96	8625
BA0-10	C60R-P		9,01	1,94	1,35	13500
BA0-17	C60R-U		9,01	1,94	1,35	13500
BA0E-32	C45163		6,70	1,74	1,4	6800
BA0E-31	C60203		8,70	1,94	1,6	11500
LB0-07	Base counterweight		4,5	0,51	0,9	5000
LB0-06	Base counterweight		5,8	0,4	1,5	8000
LB0-08	Base support block		2	0,5	2	5000
BAN-01	Levellers (C38/C45)		1,20	1,20	0,65	290 (x4)
BAN-03	Levellers (C60-900)		1,20	1,20	0,65	230 (x4)
BAN-05	Levellers (C45R/C60R)		1,20	1,20	0,65	250 (x4)
BAN-04	Pyramids (C38/C45)		0,5	0,5	0,4	80 (x4)

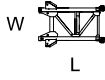
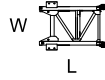
TRAVELLING

CODE	ELEMENT		L(m)	W(m)	H(m)	Weight(Kg)
BAB-02	Bogies translation S2MR35	 H L	1,15	0,25	0,45	1700
			Models: TL50 / TL55 / TLS6014			
BAB-01	Bogies translation S2MR40	 H L	1,15	0,25	0,45	1800
			Models: TLS6515 / TLS65B10T / TLS6510TSR / TLS7514T / SLH70.4 / SLH80 / SLH110			
BAB-09	Bogies translation S4MR40	 H L	1,15	1,25	0,45	1960
			Models: TLS6014 / TLS6515 / TLS65B10T / TLS6510TSR / SLH70.4 / SLH80 / SLH110			
BAB-05	Bogies translation D4MR40	 H L	2,94	1,25	0,97	13600
			Models: TLS7514T / TLS75B18T / TLS8020T / TLS8024T / TLS8032T / SLH300 / SL320 / SL450 / SL730			
BAB-11	Bogies translation D4MR60	 H L	3,20	1,25	1,20	18600
			Models: TLS800 / TLS1000 / TLS8020T / TLS8024T / TLS8032T / SL450 / SL730			
BAE-05	Electric cable reel D70 (50/1000m)					
BAE-06	Electric cable reel D90 (50/1000m)					
-	Rail	 L2 L1 H	L1= 0,14 L2= 0,07		0,16	54Kg/mt

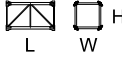
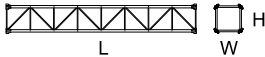
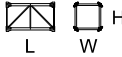



EXTERNAL CLIMBING

CODE	ELEMENT		L(m)	W(m)	H(m)	Weight(Kg)
JTEE-04	Climbing cage Type SP163	 L W H	6,8	3,6	3,6	3620
JTEE-05	Climbing cage Type SP203	 L W H	8,6	4,4	4,4	6226
JEHE-03	External Hydraulic System SP163					1510
JEHE-04	External Hydraulic System SP203					1630
JMAE-03	External climbing tie Type 163	 H W L	2,31	2,31	0,26	950
JMAE-04	External climbing tie Type 203	 H W L	2,80	2,76	0,40	1456

EXTERNAL CLIMBING

CODE	ELEMENT		L(m)	W(m)	H(m)	Weight(Kg)
JTLE-22	Tower system climbing 163 link		3,24	2,24	2,24	1650
JTLE-23	Tower system climbing 203 link		3,26	2,51	2,51	3270

INTERNAL CLIMBING

CODE	ELEMENT		L(m)	W(m)	H(m)	Weight(Kg)
JTI-11 *Optional	Internal climbing K Tower section Type A (S17)		2,95	1,70	1,70	4554
JTI-13	Internal climbing K Tower section LT Type A (S17)		11,80	1,70	1,70	5520
JTI-12	Internal climbing K Type B (S17)		2,95	1,70	1,70	4550
JTT-03	Tower section KT (S17)		2,95	1,70	1,70	1600
JEH-14	Internal Hydraulic System (S17)					3950
JMA-15	Internal climbing tie K (S17)	 (X3)	2,4	2,38	0,45	1460
JTL-04	Tower system climbing 163		3,00	2,1	2,1	1640

40' HC x 4,5 - HBG 60 m



x 4,5 - HBG 60 m



ELECTRICAL HOSE & STEEL WIRE ROPE

CODE	ELEMENT	L(m)	W(m)	H(m)	Weight(Kg)
ZZZM-03	+m. extra electrical	1,0			
ZZZC-06	+m. additional HUH hoisting wire Ø12	1,0			

ACCESORIES

CODE	ELEMENT	L(m)	W(m)	H(m)	Weight(Kg)
AGT-93	Remote with screen				
AGT-95	Extra heating				
AGT-108	150 Amp slip-ring				
AGT-164	Automatic greasing device				
AGT-24	Zonning 4.0 system AMCS				
AGT-23	Anticolision system GD				
AGT-162	HVAC system 50° 75CV				
①	Corporate paint				
AGT-17	Push button control 1,5m				
AGT-39	Auxiliary derrick with motor				
AGT-38	Auxiliary derrick w/o motor				
AGT-31	Air conditioner 60Hz				
AGT-30	Air conditioner 50Hz				
AGT-28	Winter kit -20°				