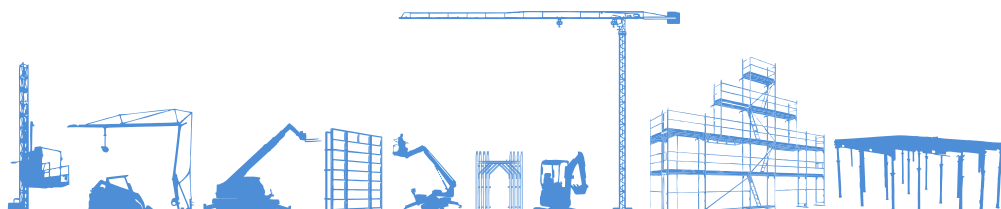


SCHEDA TECNICA



NOLEGGIO
www.gruppoemac.it



INSIEME PER DARVI IL MEGLIO

Non chiedere una macchina,
scegli un servizio che ti dia valore.

www.gruppoemac.it

FLAT TOP TOWER CRANE

**Specifications:**

- ▶ Max jib length: 65,00 m
- ▶ Capacity at max length: 1,45 t
- ▶ Max capacity: 6,00 t

WORKS FOR YOU.

KEY

Zeichenerklärung · Légende · Leyenda · Legenda



Hoisting · Heben · Levage · Elevación · Sollevamento



Trolleying · Katzfahren · Distribution · Distribución · Traslazione carrello



Slewing · Schwenken · Orientation · Orientació · Rotazione



Travelling · Schienenfahren · Translation · Traslación · Traslazione



Directive on noise level · Richtlinie für den Schall-Leistungspegel · Directive sur le niveau acoustique · Directiva sobre el nivel acustico · Direttiva sul livello acustico



Consult us · Auf Anfrage · Nous consulter · Consultarnos · Consultateci



Power requirements · Geforderte Stromstärke · Puissance totale nécessaire · Potencia necesaria · Potenza totale richiesta



Power supply · Stromversorgung · Alimentation · Alimentación · Alimentazione



In service · In Betrieb · En service · En servicio · In servizio



Out of service · Außer Betrieb · Hors service · Fuera de servicio · Fuori servizio



Max. under hook height · Höchste Hakenhöhe · Hauteur maxi. sous crochet · Maxima altura bajo gancho · Altezza max. sotto gancio



Without load, without ballast, max. jib and max. height · Ohne Last und Ballast, mit Maximalausleger und Maximalhöhe · A vide, sans lest, avec flèche et hauteur maximum · Sin carga, sin lastre, con pluma y altura máxima · A vuoto, senza zavorra, braccio max., altezza max.



Counterweight · Gegengewicht · Lest de contre-flèche · Lastre de contra flecha · Zavorra controbraccio

C25

FEM 1004 Out of service wind condition · FEM 1004 Windverhältnisse im Außerbetriebszustand · FEM 1004 Conditions de vent hors service · FEM 1004 Condiciones de viento fuera de servicio · FEM 1004 Condizioni del vento in fuori servizio



TEREX®

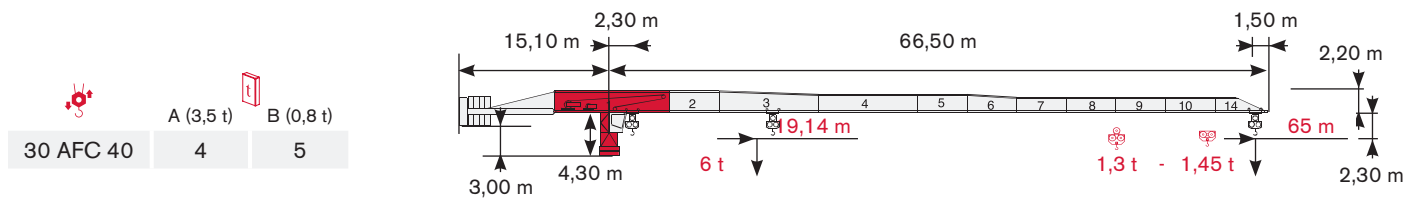


FEM

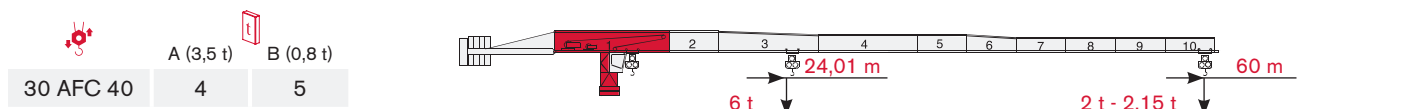


LOAD DIAGRAM

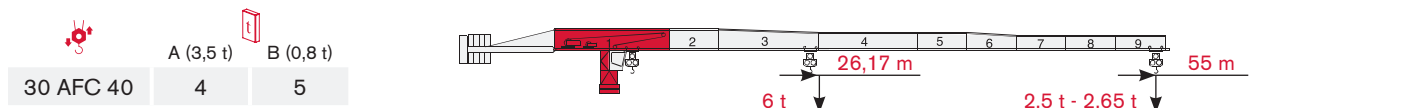
Lastkurven · Courbes de charges · Curvas de cargas · Diagramma di portata



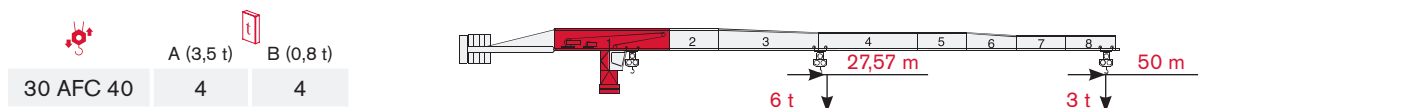
			10 m	15 m	20 m	25 m	30 m	35 m	40 m	45 m	50 m	55 m	60 m	65 m
3 t →	36,11 m	t	3,00	3,00	3,00	3,00	3,00	3,00	2,66	2,31	2,03	1,80	1,61	1,45
3 t →	34,51 m	t	3,00	3,00	3,00	3,00	3,00	2,95	2,50	2,15	1,87	1,65	1,46	1,30
6 t →	19,14 m	t	6,00	6,00	5,71	4,41	3,55	2,95	2,50	2,15	1,87	1,65	1,46	1,30



			10 m	15 m	20 m	25 m	30 m	35 m	40 m	45 m	50 m	55 m	60 m
3 t →	45,39 m	t	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	2,68	2,39	2,15
3 t →	43,46 m	t	3,00	3,00	3,00	3,00	3,00	3,00	3,00	2,88	2,52	2,24	2,00
6 t →	24,01 m	t	6,00	6,00	6,00	5,73	4,65	3,89	3,32	2,88	2,52	2,24	2,00

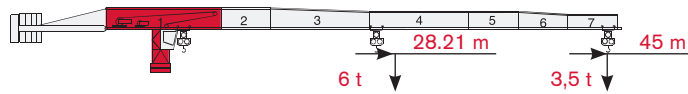


			10 m	15 m	20 m	25 m	30 m	35 m	40 m	45 m	50 m	55 m
3 t →	49,49 m	t	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	2,96	2,65
3 t →	47,43 m	t	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	2,81	2,50
6 t →	26,17 m	t	6,00	6,00	6,00	6,00	5,14	4,30	3,68	3,20	2,81	2,50



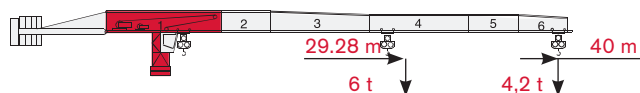
			10 m	15 m	20 m	25 m	30 m	35 m	40 m	45 m	50 m
3 t →	50,00 m	t	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00
3 t →	50,00 m	t	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00
6 t →	27,57 m	t	6,00	6,00	6,00	6,00	5,45	4,57	3,91	3,40	3,00

		
	A (3,5 t)	B (0,8 t)
30 AFC 40	4	3



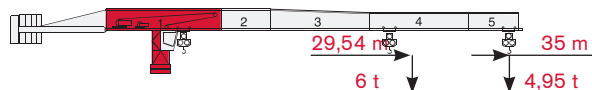
			10 m	15 m	20 m	25 m	30 m	35 m	40 m	45 m				
	3 t →	45,00 m	t	3,00	3,00	3,00	3,00	3,00	3,00	3,00				
	3 t →	45,00 m	t	3,00	3,00	3,00	3,00	3,00	3,00	3,00				
	6 t →	28,21 m	t	6,00	6,00	6,00	6,00	5,60	4,69	4,02	3,50			

		
	A (3,5 t)	B (0,8 t)
30 AFC 40	3	5



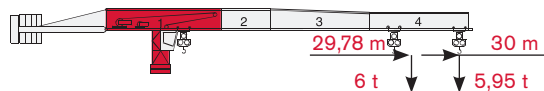
			10 m	15 m	20 m	25 m	30 m	35 m	40 m				
	3 t →	40,00 m	t	3,00	3,00	3,00	3,00	3,00	3,00				
	3 t →	40,00 m	t	3,00	3,00	3,00	3,00	3,00	3,00				
	6 t →	29,28 m	t	6,00	6,00	6,00	6,00	5,84	4,90	4,20			

		
	A (3,5 t)	B (0,8 t)
30 AFC 40	3	3



			10 m	15 m	20 m	25 m	30 m	35 m					
	3 t →	35,00 m	t	3,00	3,00	3,00	3,00	3,00					
	3 t →	35,00 m	t	3,00	3,00	3,00	3,00	3,00					
	6 t →	29,54 m	t	6,00	6,00	6,00	6,00	5,90	4,95				

		
	A (3,5 t)	B (0,8 t)
30 AFC 40	3	2



			10 m	15 m	20 m	25 m	30 m						
	3 t →	30,00 m	t	3,00	3,00	3,00	3,00						
	3 t →	30,00 m	t	3,00	3,00	3,00	3,00						
	6 t →	29,78 m	t	6,00	6,00	6,00	6,00	5,95					

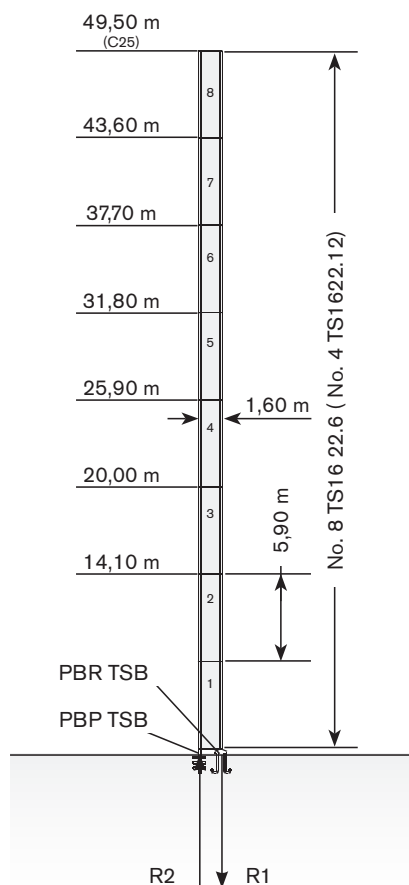
TOWER

Turn · Tour · Torre · Torre

Standard Configurations · Standardkonfiguration ·
Standard Implantations · Implantaciones Standard · Installazioni Standard

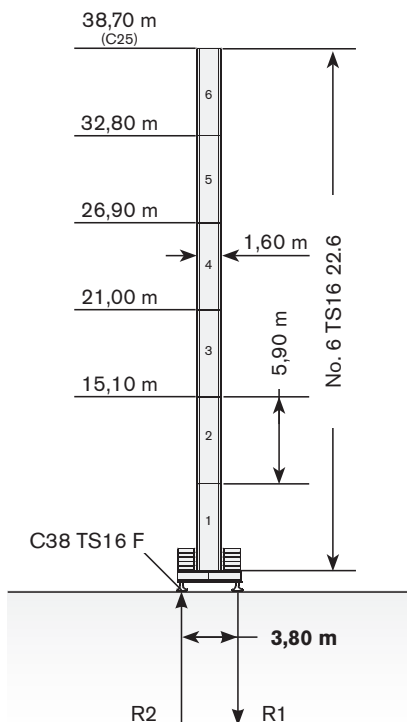
Tower: TS16 & Basement: R1

	●	◊
R1	-1630 kN	-1812 kN
R2	1340 kN	1528 kN
	390 kN	



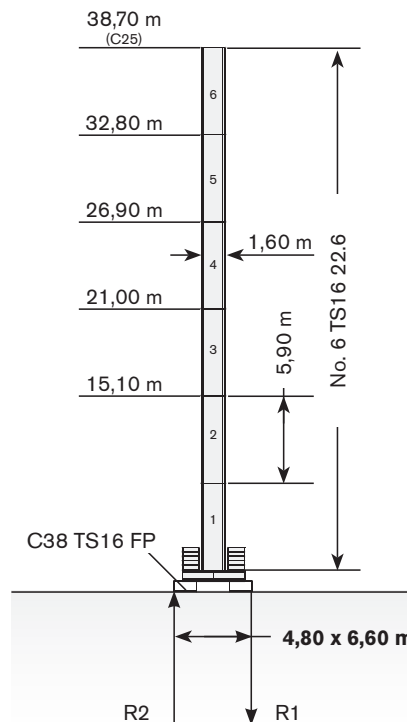
Tower: TS16 & Basement: F1

	●	◊
R1	-860 kN	-730 kN
R2	0	-49 kN
	405 kN	



Tower: TS16 & Basement: FP1

	●	◊
R1	-860 kN	-745 kN
R2	0	-64 kN
	405 kN	

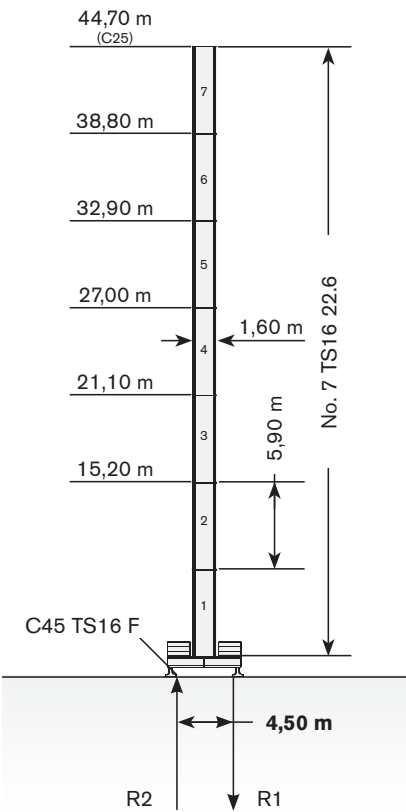


Max. under hook height · Höchst Hakenhöhe · Hauteur maxi. sous crochet · Maxima altura bajo gancho · Altezza max. sotto gancio

Different heights and tower combinations are available; please consult us · Andere Höhen und Turmkombinationen auf Anfrage · Différentes hauteurs et combinaisons de tour sont disponibles; nous consulter · Hay diferentes alturas y combinaciones de torre disponibles. Consúltelos · Altezze diverse e combinazioni di torre sono disponibili; consultateci

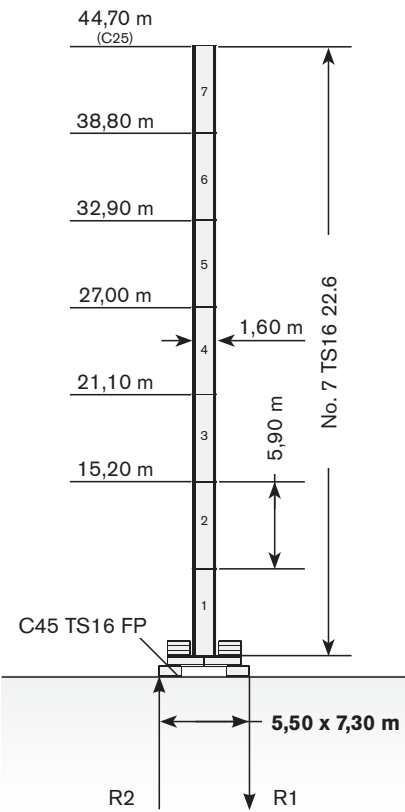
Tower: TS16 & Basement: F2

R1	-850 kN	-815 kN
R2	0	0
	440 kN	



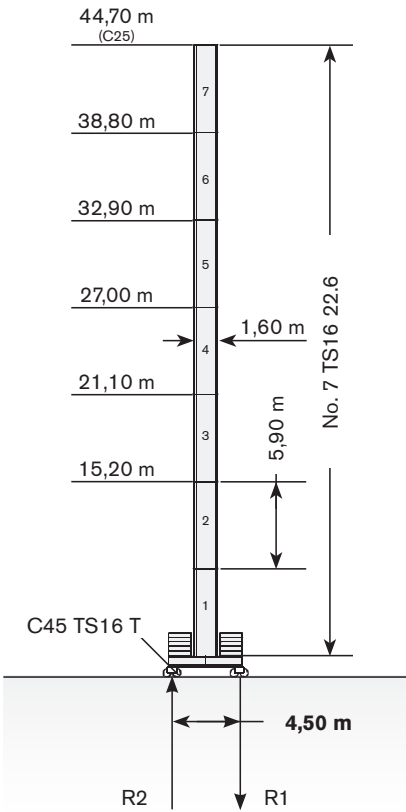
Tower: TS16 & Basement: FP2

R1	-850 kN	-815 kN
R2	0	0
	440 kN	



Tower: TS16 & Basement: T2

R1	-890 kN	-815 kN
R2	0	0
	455 kN	



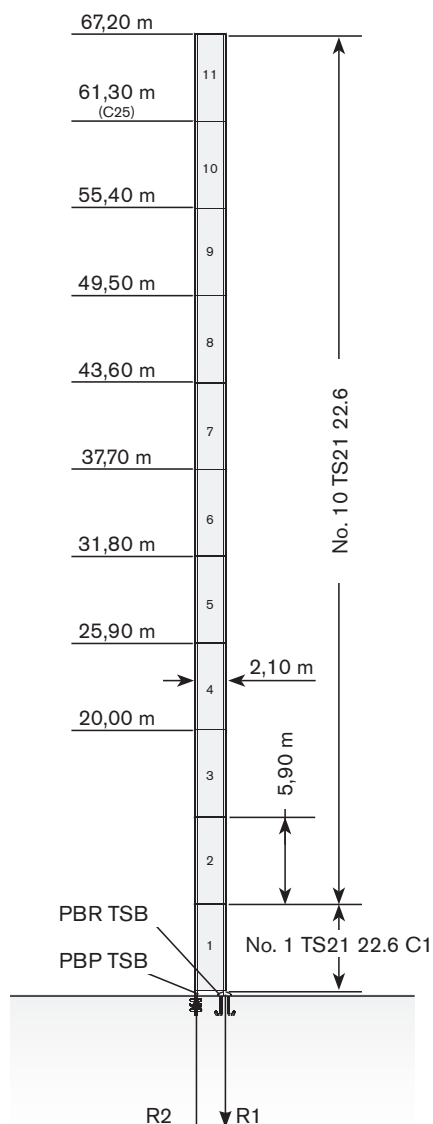
TOWER

Turn • Tour • Torre • Torre

Standard Configurations • Standardkonfiguration •
Standard Implantations • Implantaciones Standard • Installazioni Standard

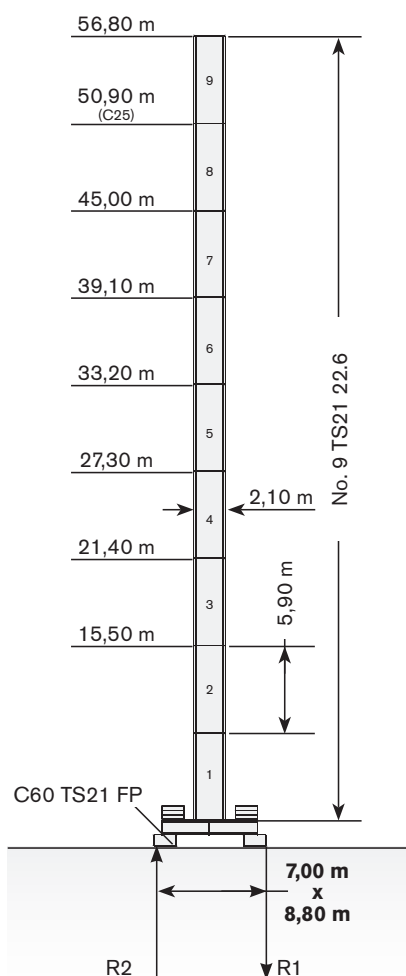
Tower: TS21 & Basement: R3

	●	◊
R1	-1420 kN	-2202 kN
R2	1090 kN	1877 kN
	465 kN	



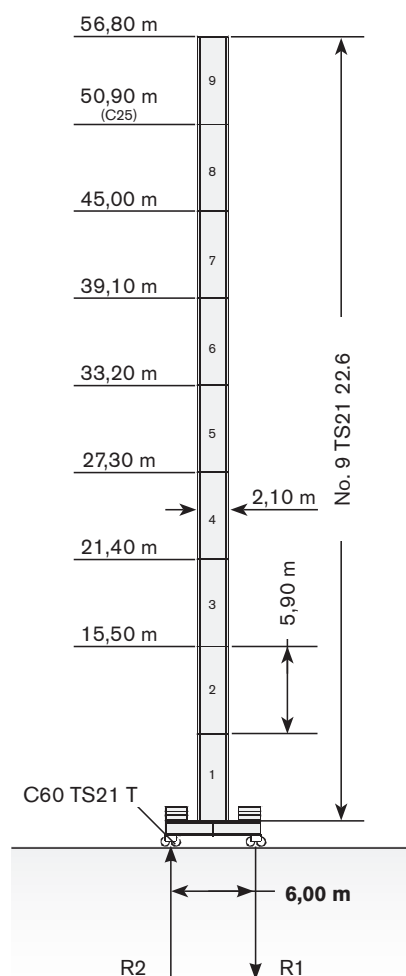
Tower: TS21 & Basement: FP3

	●	◊
R1	-860 kN	-1080 kN
R2	0	0
	545 kN	



Tower: TS21 & Basement: T3

	●	◊
R1	-860 kN	-1037 kN
R2	0	0
	545 kN	

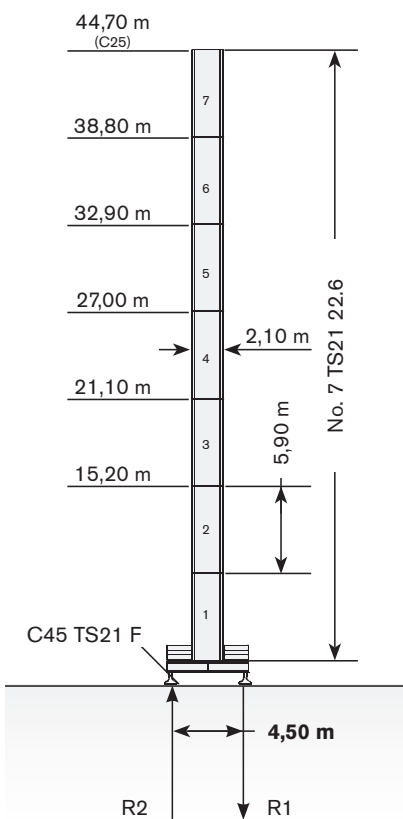


Max. under hook height • Höchste Hakenhöhe • Hauteur maxi. sous crochet • Maxima altura bajo gancho • Altezza max. sotto gancio

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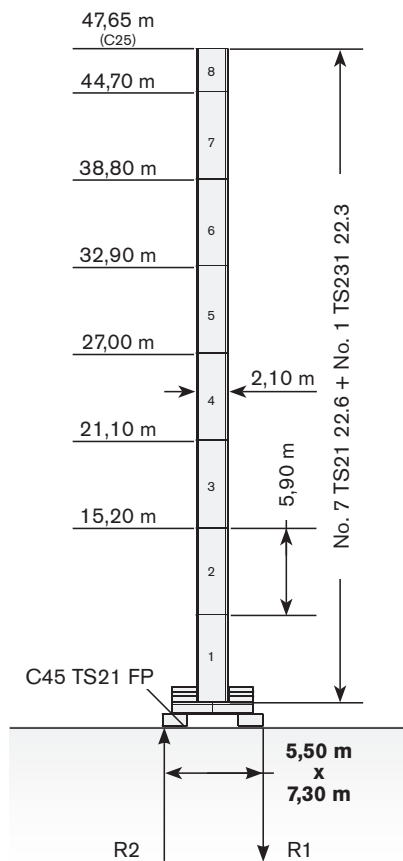
Tower: TS21 & Basement: F4

		
R1	-890 kN	-850 kN
R2	0	0
	475 kN	



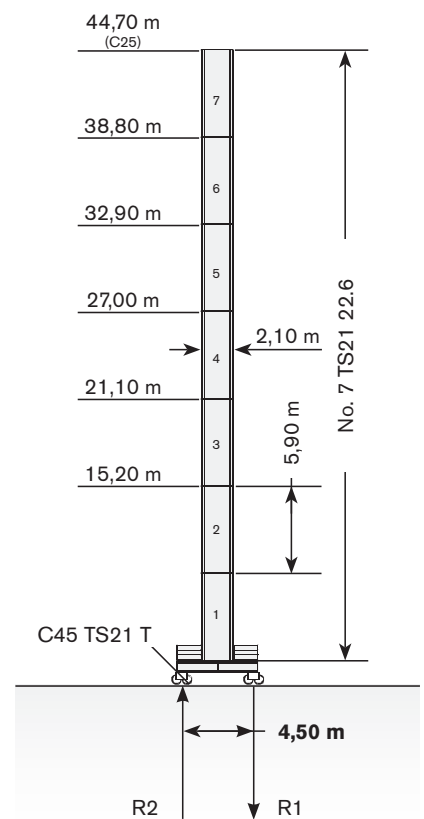
Tower: TS21 & Basement: FP4

		
R1	-890 kN	-982 kN
R2	0	0
	465 kN	



Tower: TS21 & Basement: T4

		
R1	-890 kN	-850 kN
R2	0	0
	475 kN	



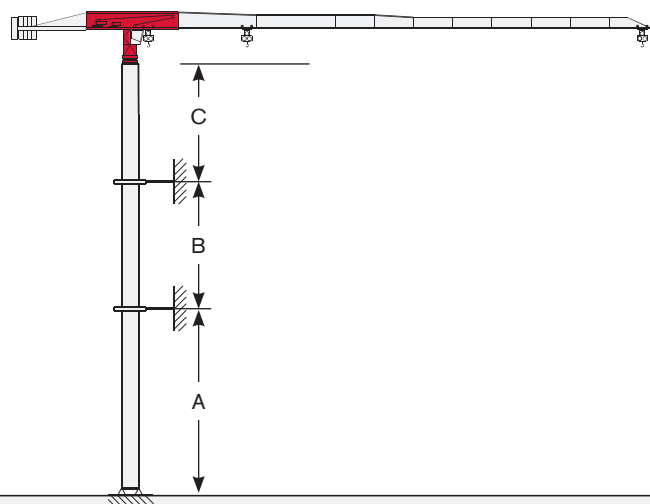
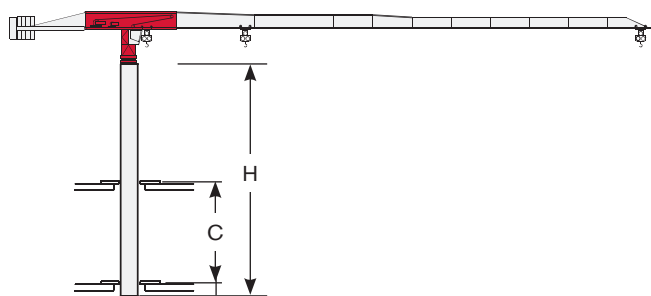
TOWER

Turn · Tour · Torre · Torre

Other configurations · Aufstellmöglichkeiten · Autres Implantations · Otras Implantaciones · Altre Installazioni

Bottom climbing crane · Kletterkran im Gebäude · Télescopage sur dalles · Telescopage grúa trepadora · Gru climbing

Crane tied to the structure · Geankerter Kran · Grue ancrée · Grúa anclada · Gru ancorata



Tower: TS16

Jib	C min/max (m)	H min/max (m)	Climbing System
30	11,00/13,00	29,50/44,25	TS16 22.6
35	11,00/13,00	29,50/44,25	TS16 22.6
40	11,00/13,00	29,50/44,25	TS16 22.6
45	11,00/13,00	29,50/44,25	TS16 22.6
50	11,00/13,00	29,50/44,25	TS16 22.6
55	11,00/13,00	29,50/44,25	TS16 22.6
60	11,00/13,00	29,50/44,25	TS16 24.6
65	11,00/13,00	29,50/44,25	TS16 24.6

Tower: TS21

Jib	C min/max (m)	H min/max (m)
30	11,00/14,00	29,50/41,30
35	11,00/14,00	29,50/41,30
40	11,00/14,00	29,50/41,30
45	11,00/14,00	29,50/41,30
50	11,00/14,00	29,50/41,30
55	11,00/14,00	29,50/41,30
60	11,00/14,00	29,50/41,30
65	11,00/14,00	29,50/41,30

Tower: TS16

Jib	A min/max (m)	B min/max (m)	C max (m)
30	30,00/36,00	17,70/23,60	24,00
35	30,00/36,00	17,70/23,60	24,00
40	30,00/36,00	17,70/23,60	24,00
45	30,00/36,00	17,70/23,60	24,00
50	30,00/36,00	17,70/23,60	24,00
55	30,00/36,00	17,70/23,60	24,00
60	30,00/36,00	17,70/23,60	24,00
65	30,00/36,00	17,70/23,60	24,00

Tower: TS21

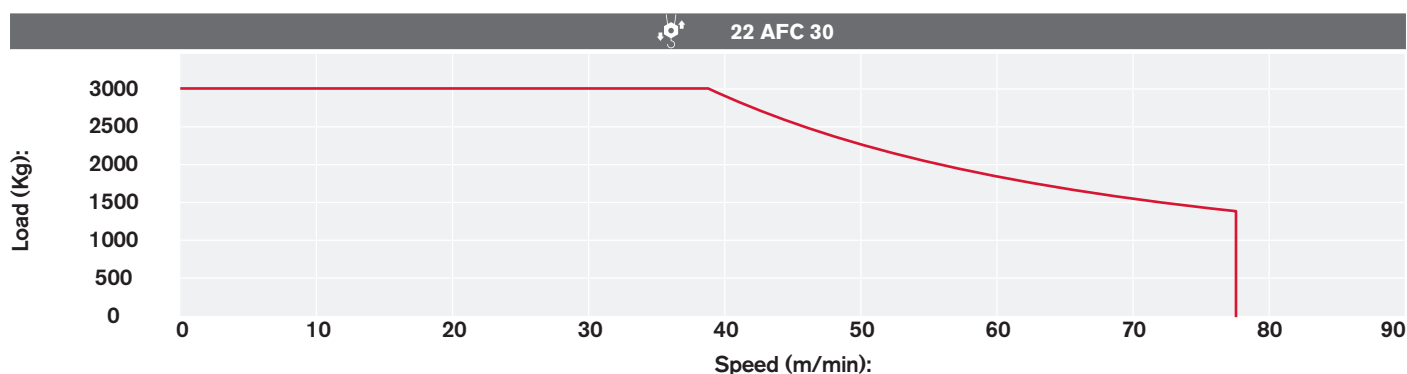
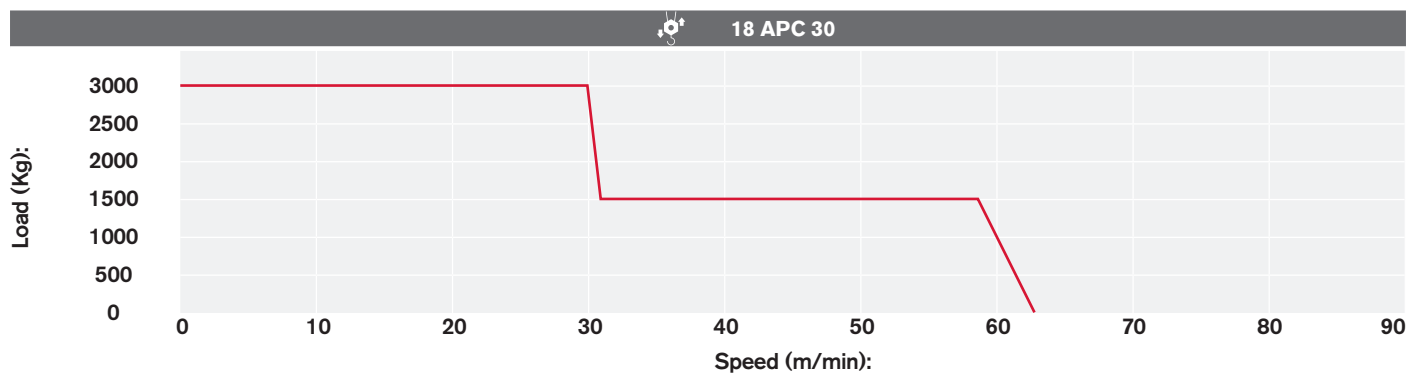
Jib	A min/max (m)	B min/max (m)	C max (m)
30	30,00/45,00	17,70/23,60	35,00
35	30,00/45,00	17,70/23,60	35,00
40	30,00/45,00	17,70/23,60	35,00
45	30,00/45,00	17,70/23,60	35,00
50	30,00/45,00	17,70/23,60	35,00
55	30,00/45,00	17,70/23,60	35,00
60	30,00/45,00	17,70/23,60	35,00
65	30,00/45,00	17,70/23,60	35,00

				
	18 APC 30	56 kVA*	400V - 50Hz	2000/14/CE modificata
	22 AFC 30	62 kVA*	400V - 50Hz / 460V - 60Hz	2000/14/CE modificata

* Crane without travelling equipment – Three movements simultaneous at 90% · Krane ohne Schienenfahren – Drei gleichzeitige Bewegungen mit 90% · Grue sans translation – Trois mouvements simultanés à 90% · Grúa sin traslación – Tres movimientos contemporáneos hechos al 90% · Gru senza traslazione – Tre movimenti contemporanei al 90%

			t	m/min	kW	
	18 APC 30 D1 F11		3	7	18	220 m
			3	30		
			1,5	59		
			6	3,5		
			6	15		
			3	29,5		
	22 AFC 30 D1 F11 22 AFC 30 D1 F11 LB (Variant)		3	0 → 2,4	22	300 m (D1 F11) 380 m (D1 F11 LB)
			3	2,4 → 9		
			3	9 → 38		
			1,88	38 → 61		
			1,43	61 → 77		
			6	0 → 1,2		
			6	1,2 → 4,5		
			6	4,5 → 19		
			3,76	19 → 30,5		
			2,86	30,5 → 38,5		

Hoisting Speed · Heben Geschwindigkeit · Vitesse de Levage · Velocidad de Elevación · Velocità' di Sollevamento



Additional Specifications · Weitere Leistungsdaten · Spécifications additionnelles · Otras prestaciones · Altre movimentazioni

	DVF 3 5 D1 (Variant)	0 → 6 → 32 → 64 m/min	5 kW
	SSR 2 2 65	0,7 r.p.m. (50Hz) – 0,84 r.p.m. (60 Hz)	2 x 65 Nm
	TAD 2RP 2M4	0 → 24 m/min	2 x 4 kW
	TAD 2RG 4M3	0 → 24 m/min	2 x 3 kW

Tower height max.

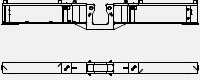
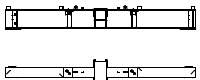
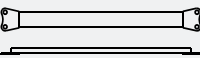
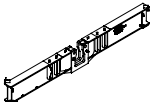
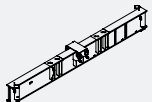
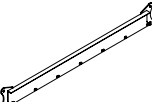
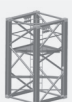
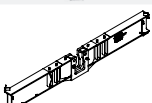
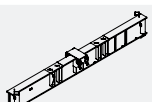
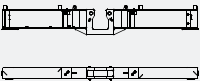
		T2 -T4	T3
	TAD 2RP 2M4	38,80 m	39,10 m
	TAD 2RG 4M3	> 38,80 m	> 39,10 m

TRANSPORTATION

CTT 161A-6 TS

Transport · Transport · Conducción · Trasporto

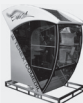
Packing list

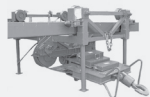
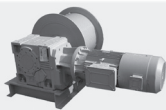
CTT 161A - 6/TS	DESCRIPTION · BESCHREIBUNG · DESCRIPTION · DESCRIPCIÓN · DESCRIZIONE	LENGTH · LÄNGE · LONGUEUR · LONGITUD · LUNGHEZZA	WIDTH · BREITE · LARGEUR · ANCHURA · LARGHEZZA	HEIGHT · HÖHE · HAUTEUR · ALTURA · ALTEZZA	QUANTITY · MENGE · QUANTITÉ · CANTIDAD · QUANTITÀ	WEIGHT · GEWICHT · POIDS · PESO · PESO
	"A" BEAM FOR C38 UNDERCARRIAGE TS16	5,80 m	0,41 m	0,80 m	1	2050 kg
	"B" BEAM FOR C38 UNDERCARRIAGE TS16	5,80 m	0,75 m	0,70 m	1	2050 kg
	CROSSBEAM FOR C38 UNDERCARRIAGE	3,70 m	0,11 m	0,40 m	2	190 kg
	"A" BEAM C45 UNDERCARRIAGE TS21-TS16	6,80 m	0,40 m	1,00 m	1	2820 kg
	"B" BEAM C45 UNDERCARRIAGE TS21-TS16	6,80 m	0,75 m	0,80 m	1	2620 kg
	CROSSBEAM FOR C45 UNDERCARRIAGE TS21-TS16	4,40 m	0,12 m	0,54 m	2	230 kg
	TS16 22.3 TOWER SECTION	1,60 m	1,60 m	2,98 m	1	1215 kg*
	TS16 22.6 TOWER SECTION	1,60 m	1,60 m	5,93 m	1	2260 kg*
	TS16 22.12 TOWER SECTION	1,60 m	1,60 m	11,83 m	1	4400 kg*
	BEAM "A" FOR UNDERCARRIAGE C45 TS21-TS16	6,80 m	0,40 m	1,00 m	1	2820 kg
	BEAM "B" FOR UNDERCARRIAGE C45 TS21-TS16	6,80 m	0,75 m	0,80 m	1	2620 kg
	CROSSBEAMS UNDERCARRIAGE C45 TS21-TS16	4,40 m	0,12 m	0,54 m	2	230 kg
	CROSSBEAM FOR UNDERCARRIAGE C60	5,90 m	0,60 m	0,20 m	2	450 kg
	"A" BEAM FOR UNDERCARRIAGE C60	8,90 m	0,40 m	1,10 m	1	3600 kg

* Inclusive of ladder, ladder support and protection, platform

TRANSPORTATION

Transport · Transport · Conducción · Trasporto

CTT 161A - 6/TS	DESCRIPTION · BESCHREIBUNG · DESCRIPTION · DESCRIPCIÓN · DESCRIZIONE	LENGTH · LÄNGE · LONGUEUR · LONGITUD · LUNGHEZZA	WIDTH · BREITE · LARGEUR · ANCHURA · LARGHEZZA	HEIGHT · HÖHE · HAUTEUR · ALTURA · ALTEZZA	QUANTITY · MENGE · QUANTITÉ · CANTIDAD · QUANTITÀ	WEIGHT · GEWICHT · POIDS · PESO · PESO
	"B" BEAM FOR UNDERCARRIAGE C60	8,90 m	0,70 m	0,90 m	1	3600 kg
	TS21 22.6 TOWER SECTION	2,10 m	2,10 m	5,93 m	1	2550 kg*
	TS21 22.6 C1 TOWER SECTION	2,10 m	2,10 m	5,93 m	1	2800 kg*
	TS21 22.6 C2 TOWER SECTION	2,10 m	2,10 m	5,93 m	1	2611 kg*
	TS21 22.3 TOWER SECTION	2,10 m	2,10 m	2,98 m	1	1382 kg*
	TS21 22.3 C2 TOWER SECTION	2,10 m	2,10 m	2,98 m	1	1440 kg*
	SLEWING UNIT COMPLETE TS16	2,00 m	2,30 m	4,50 m	1	5900 kg
	SLEWING UNIT COMPLETE TS21	2,50 m	2,00 m	4,56 m	1	6985 kg
	CAB	2,00 m	1,30 m	2,50 m	1	650 kg
	COUNTERJIB COMPLETE	8,90 m	1,25 m	0,70 m	1	1700 kg
	BALLAST BASKET	1,20 m	0,75 m	2,70 m	1	265 kg
	JIB SECTION-1 COMPLETE (TROLLEY AND HOIST BLOCK)	11,90 m	2,00 m	2,80 m	1	6100 kg
	JIB SECTION-1 COMPLETE	11,90 m	1,65 m	2,40 m	1	5470 kg

CTT 161A - 6/TS	DESCRIPTION · BESCHREIBUNG · DESCRIPTION · DESCRIPCIÓN · DESCRIZIONE	LENGTH · LÄNGE · LONGUEUR · LONGITUD · LUNGHEZZA	WIDTH · BREITE · LARGEUR · ANCHURA · LARGHEZZA	HEIGHT · HÖHE · HAUTEUR · ALTURA · ALTEZZA	QUANTITY · MENGE · QUANTITÉ · CANTIDAD · QUANTITÀ	WEIGHT · GEWICHT · POIDS · PESO · PESO
	JIB TROLLEY AND HOIST BLOCKS	1,35 m	1,60 m	0,90 m	1	630 kg
	Hoist winch 18APC30	1,70 m	1,40 m	0,88 m	1	930 kg
	Hoist winch 22AFC30	1,77 m	1,43 m	0,82 m	1	850 kg
	JIB SECTION-2	5,30 m	1,11 m	2,20 m	1	1010 kg
	JIB SECTION-3	10,30 m	1,11 m	2,20 m	1	1550 kg
	JIB SECTION-4	10,30 m	1,11 m	1,83 m	1	1285 kg
	JIB SECTION-5	5,22 m	1,11 m	1,80 m	1	530 kg
	JIB SECTION-6	5,20 m	1,11 m	1,80 m	1	510 kg
	JIB SECTION-7	5,20 m	1,11 m	1,30 m	1	450 kg
	JIB SECTION-8	5,20 m	1,11 m	1,30 m	1	410 kg
	JIB SECTION-9	5,20 m	1,11 m	1,30 m	1	310 kg
	JIB SECTION-10	5,20 m	1,11 m	1,30 m	1	270 kg
	JIB SECTION-14	5,20 m	1,11 m	1,30 m	1	170 kg
	JIB POINT SECTION	0,90 m	1,30 m	1,10 m	1	70 kg

* Inclusive of ladder, ladder support and protection, platform