

FLAT TOP TOWER CRANE

**Specifications:**

- ▶ Max jib length: 213.3 ft
- ▶ Capacity at max length: 4,189 lbs
- ▶ Max capacity: 17,637 lbs

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 gancho



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

CONTENTS

CTT 181B-8 TS21

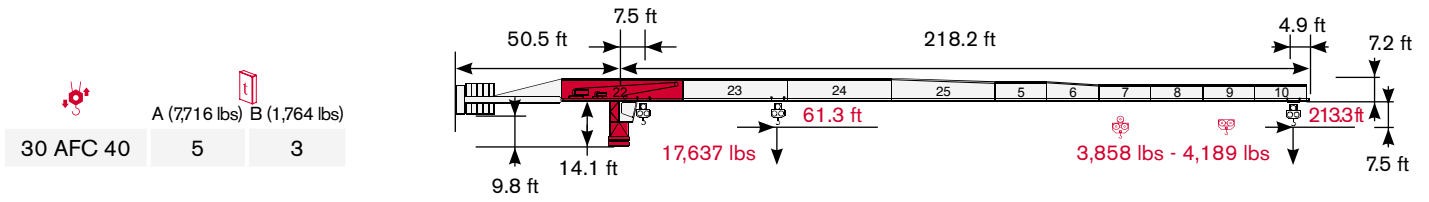
Inhalt · Contenu · Contenido · Indice

Page · Seite · Page · Pàgina · Pagina:

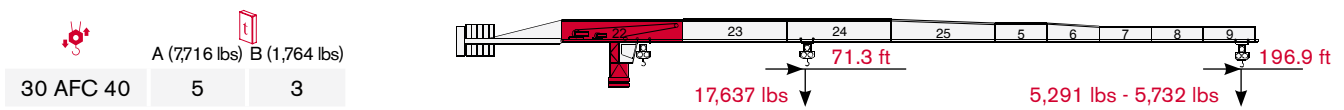
Load Diagram · Lastkurven · Courbes de charges · Curvas de cargas · Diagramma di portata	4
Tower · Turm · Tour · Torre · Torre	6
Other configurations · Aufstellmöglichkeiten · Autres Implantations Otras Implantaciones · Altre Installazioni	8
Mechanisms · Antriebe · Mécanismes · Mecanismos · Meccanismi	9
Transportation · Transport · Transportation · Transportation · Trasporto	10

LOAD DIAGRAM

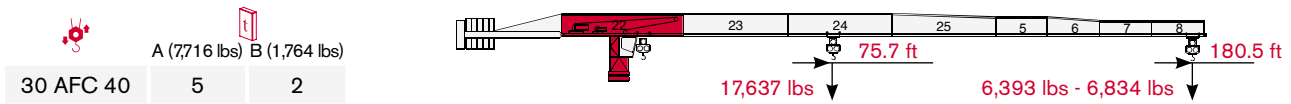
Lastkurven · Courbes de charges · Curvas de cargas · Diagramma di portata



	32.8 ft	49.2 ft	65.6 ft	82 ft	98.4 ft	114.8 ft	131.2 ft	147.6 ft	164.1 ft	180.5 ft	196.9 ft	213.3 ft	
8,818 lbs →	114.7 ft	8,818	8,818	8,818	8,818	8,818	8,818	7,540	6,570	5,798	5,159	4,630	4,189
8,818 lbs →	111.6 ft	8,818	8,818	8,818	8,818	8,510	7,253	6,261	5,467	4,828	4,299	3,858	
17,637 lbs →	61.3 ft	17,637	17,637	16,314	12,632	10,229	8,510	7,253	6,261	5,467	4,828	4,299	3,858



	32.8 ft	49.2 ft	65.6 ft	82 ft	98.4 ft	114.8 ft	131.2 ft	147.6 ft	164.1 ft	180.5 ft	196.9 ft	
8,818 lbs →	136.3 ft	8,818	8,818	8,818	8,818	8,818	8,818	8,818	8,047	7,121	6,371	5,732
8,818 lbs →	130.2 ft	8,818	8,818	8,818	8,818	8,818	8,730	7,584	6,658	5,908	5,291	
17,637 lbs →	71.3 ft	17,637	17,637	17,637	15,058	12,214	10,229	8,730	7,584	6,658	5,908	5,291




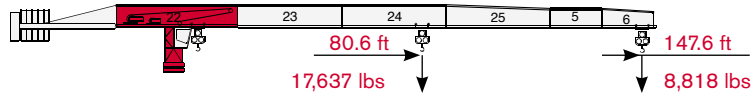
	32.8 ft	49.2 ft	65.6 ft	82 ft	98.4 ft	114.8 ft	131.2 ft	147.6 ft	164.1 ft	180.5 ft	
8,818 lbs →	144.8 ft	8,818	8,818	8,818	8,818	8,818	8,818	8,818	8,620	7,628	6,834
8,818 lbs →	138.5 ft	8,818	8,818	8,818	8,818	8,818	8,818	8,818	8,179	7,187	6,393
17,637 lbs →	75.7 ft	17,637	17,637	17,637	16,116	13,118	10,979	9,392	8,179	7,187	6,393




	32.8 ft	49.2 ft	65.6 ft	82 ft	98.4 ft	114.8 ft	131.2 ft	147.6 ft	164.1 ft	
8,818 lbs →	149.7 ft	8,818	8,818	8,818	8,818	8,818	8,818	8,818	8,818	7,937
8,818 lbs →	143.3 ft	8,818	8,818	8,818	8,818	8,818	8,818	8,818	8,510	7,496
17,637 lbs →	78.3 ft	17,637	17,637	17,637	16,733	13,625	11,420	9,789	8,510	7,496

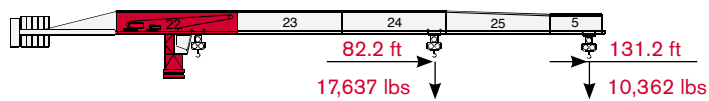
CTT 181B-8 TS21

	A (7,716 lbs)	B (1,764 lbs)
30 AFC 40	4	4




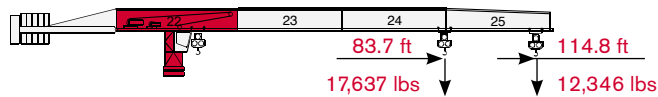
			32.8 ft	49.2 ft	65.6 ft	82 ft	98.4 ft	114.8 ft	131.2 ft	147.6 ft				
	8,818 lbs	→	147.6 ft	lbs	8,818	8,818	8,818	8,818	8,818	8,818	8,818			
	17,637 lbs	→	80.6 ft	lbs	17,637	17,637	17,637	17,306	14,088	11,817	10,119	8,818		

	A (7,716 lbs)	B (1,764 lbs)
30 AFC 40	4	2



			32.8 ft	49.2 ft	65.6 ft	82 ft	98.4 ft	114.8 ft	131.2 ft					
	8,818 lbs	→	131.2 ft	lbs	8,818	8,818	8,818	8,818	8,818	8,818				
	17,637 lbs	→	82.2 ft	lbs	17,637	17,637	17,637	17,637	14,418	12,081	10,362			

	A (7,716 lbs)	B (1,764 lbs)
30 AFC 40	4	1



			32.8 ft	49.2 ft	65.6 ft	82 ft	98.4 ft	114.8 ft						
	8,818 lbs	→	114.8 ft	lbs	8,818	8,818	8,818	8,818	8,818					
	17,637 lbs	→	83.7 ft	lbs	17,637	17,637	17,637	17,637	14,705	12,346				

TOWER

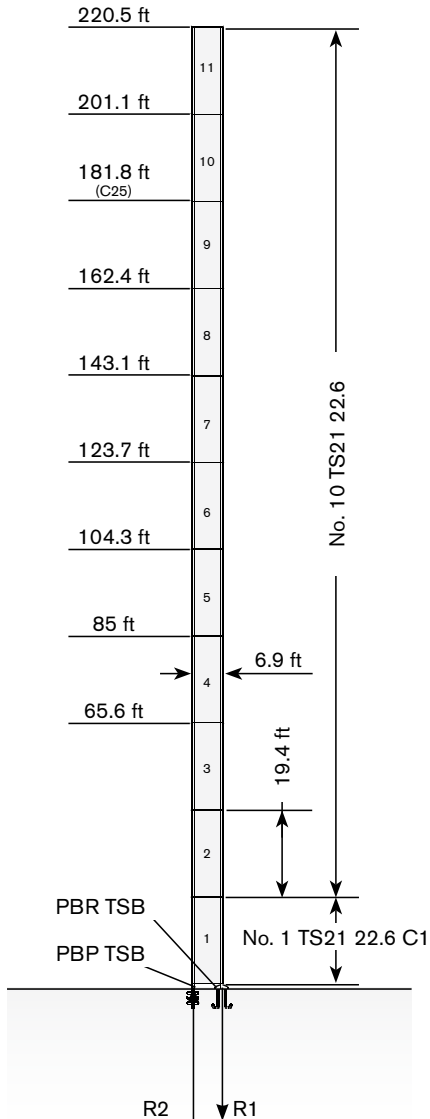
Turn · Tour · Torre · Torre

Standard Configurations · Standardkonfiguration ·


Standard Implantations · Implantaciones Standard · Installazioni Standard

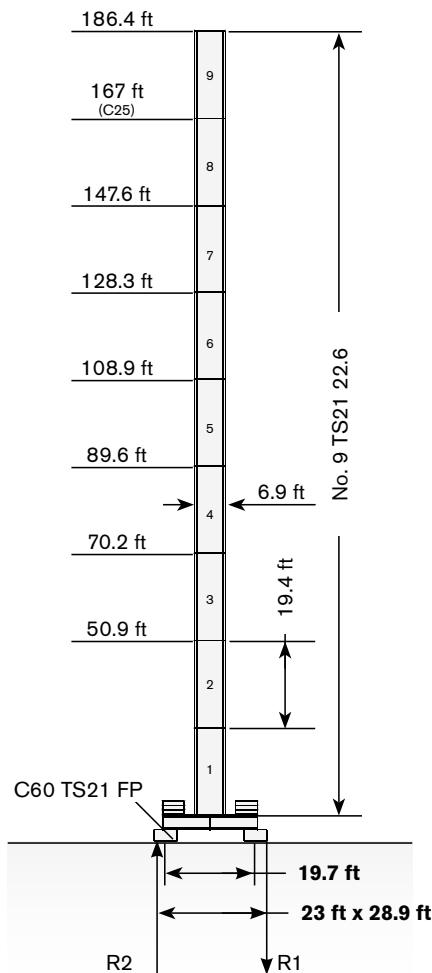
Tower: TS21 & Basement: R3

	●	◊
R1	-1510 kN	-2020 kN
R2	1120 kN	1690 kN
	483 kN	




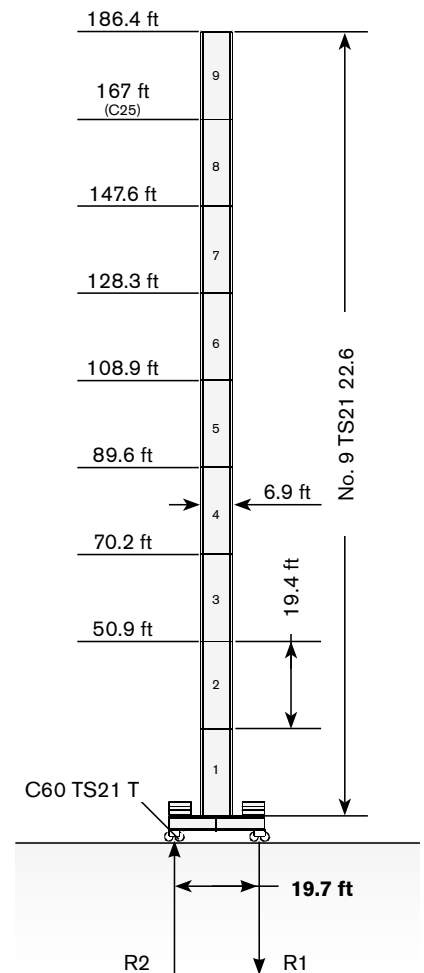
Tower: TS21 & Basement: FP3

	●	◊
R1	-900 kN	-970 kN
R2	0	0
	563 kN	



Tower: TS21 & Basement: T3


	●	◊
R1	-900 kN	-970 kN
R2	0	0
	563 kN	

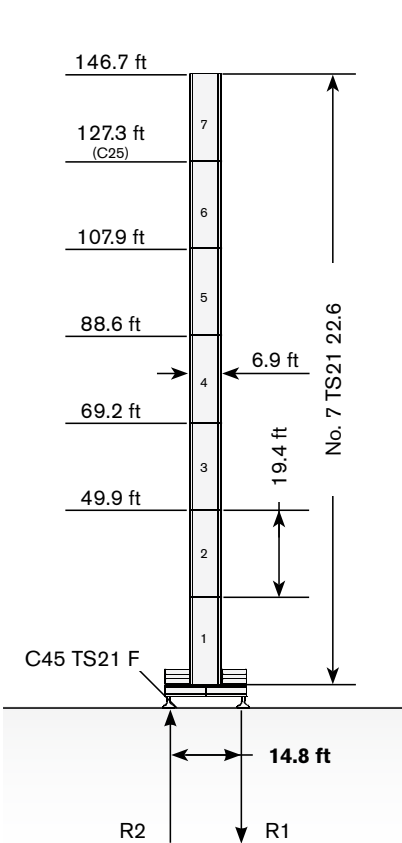


Max. under hook height · Höchste Hakenhöhe · Hauteur maxi. sous crochet · Maxima altura bajo gancho · Altezza max. sotto gancio


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. Consúltenos · Altezze diverse e combinazioni di torre sono disponibili; consultateci

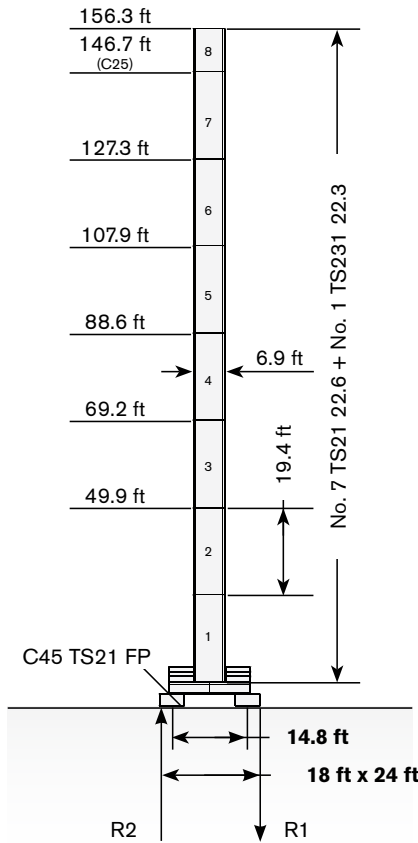
Tower: TS21 & Basement: F4

	●	◊
R1	-950 kN	-800 kN
R2	0	-56 kN
	493 kN	




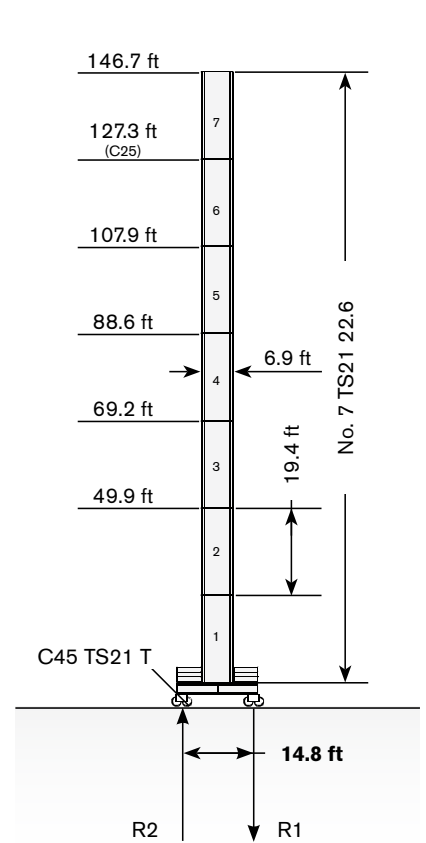
Tower: TS21 & Basement: FP4

	●	◊
R1	-950 kN	-842 kN
R2	0	0
	483 kN	



Tower: TS21 & Basement: T4

	●	◊
R1	-950 kN	-800 kN
R2	0	-66 kN
	493 kN	



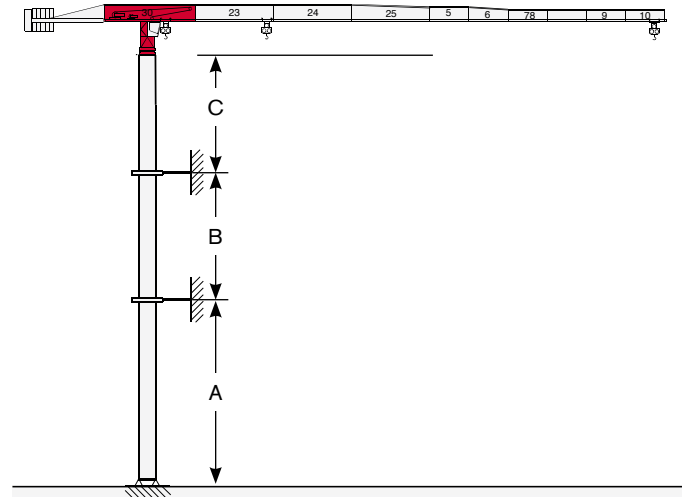
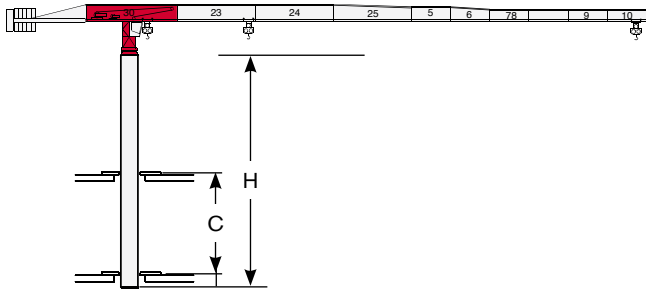
TOWER

Turn · Tour · Torre · Torre

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

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

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



	min	max
C	36.1 ft	45.9 ft
H	96.8 ft	135.5 ft





	min	max
A	137.8 ft	177.2 ft
B	58.1 ft	77.4 ft
C	95.1 ft	

MECHANISMS

CTT 181B-8 TS21





Antriebe · Mécanismes · Mecanismos · Meccanismi

Power supply · Stromversorgung · Alimentation · Suministro eléctrico · Alimentazione

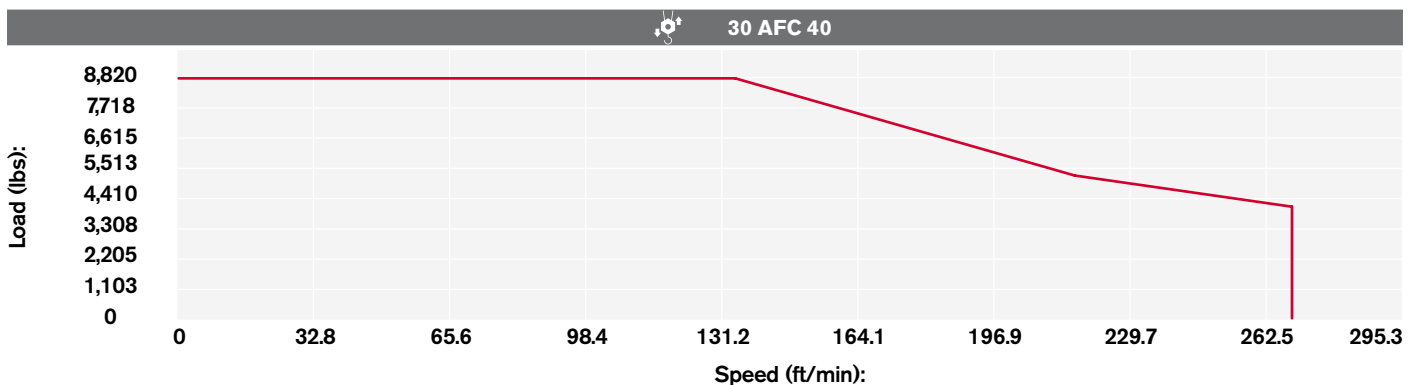
	30 AFC 40	 70 kVA*	 400V - 50Hz / 460V - 60Hz	 2000/14/CE modificata
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* Crane without travelling equipment – Three movements simultaneous at 90% · Krane ohne Schienenfahren – Drei gleichzeitige Bewegungen mit 90% · Grue sans translation – Trois mouvements simultanés à 90% · Grúa sin traslación – Tres movimientos contemporáneos hechos al 90% · Gru senza traslazione – Tre movimenti contemporanei al 90%





Hoisting · Heben · Levage · Elevación · Sollevamento

		lbs	ft/min	kW		
	30 AFC 40 D2 F12 30 AFC 40 D1 F12 LB 30 AFC 40 D2 F11 LB (Variant)		8,818	0 → 9.8	30	912.1 ft (D2 F12)
			8,818	9.8 → 32.8		
			8,818	32.8 → 134.5		
			5,247	134.5 → 216.5		
			4,101	216.5 → 269		
			17,637	0 → 4.9		
			17,637	4.9 → 16.4		
			17,637	16.4 → 67.3		
			10,494	67.3 → 108.3		
			8,201	108.3 → 134.5		

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 → 19.7 → 105 → 210 ft/min	5 kW
	SSR 2 2 65	0.7 r.p.m. (50Hz) / 0.84 r.p.m. (60Hz)	2 x 47.9 ft-lb
	TAD 2RP 2M4	0 → 78.7 ft/min	2 x 4 kW
	TAD 2RG 4M3	0 → 78.7 ft/min	4 x 3 kW

Tower height max.



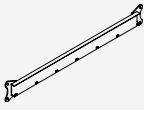
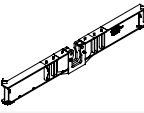
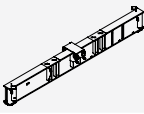
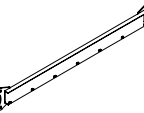
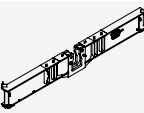
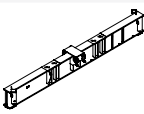
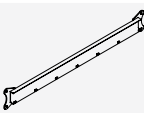


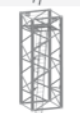


		T3	T4
	TAD 2RP 2M4	128.3 ft	107.9 ft
	TAD 2RG 4M3	> 128.3 ft	> 107.9 ft

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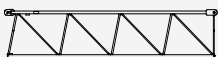
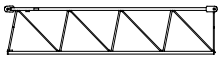
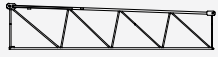





TRANSPORTATION

Transport · Transport · Conducción · Trasporto

Packing list

CTT 181B-8/TS21	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
	BEAM "A" FOR UNDERCARRIAGE C45	22.3 ft	1.3 ft	3.6 ft	1	5,954 kg
	BEAM "B" FOR UNDERCARRIAGE C45	22.3 ft	2.3 ft	3 ft	1	5,954 kg
	CROSSBEAMS FOR UNDERCARRIAGE C45	14.4 ft	0.4 ft	1.8 ft	2	507 kg
	BEAM "A" FOR UNDERCARRIAGE C45 TS21-TS16	22.3 ft	1.3 ft	3.3 ft	1	6,218 kg
	BEAM "B" FOR UNDERCARRIAGE C45 TS21-TS16	22.3 ft	2.5 ft	2.6 ft	1	5,777 kg
	CROSSBEAMS UNDERCARRIAGE C45 TS21-TS16	14.4 ft	0.4 ft	1.8 ft	2	507 kg
	"A" BEAM FOR UNDERCARRIAGE C60	29.2 ft	1.3 ft	3.6 ft	1	7,938 kg
	"B" BEAM FOR UNDERCARRIAGE C60	29.2 ft	2.3 ft	3 ft	1	7,938 kg
	CROSSBEAM FOR UNDERCARRIAGE C60	19.4 ft	2 ft	0.7 ft	2	992 kg
	TS21 22.3 TOWER SECTION	6.9 ft	6.9 ft	9.8 ft	1	3,047 kg*
	TS21 22.3 C2 TOWER SECTION	6.9 ft	6.9 ft	9.8 ft	1	3,175 kg*
	TS21 22.6 TOWER SECTION	6.9 ft	6.9 ft	9.6 ft	1	5,623 kg*
	TS21 22.6 C1 TOWER SECTION	6.9 ft	6.9 ft	19.5 ft	1	6,174 kg*
	TS21 22.6 C2 TOWER SECTION	6.9 ft	6.9 ft	19.5 ft	1	5,757 kg*

CTT 181B-8 TS21

CTT 181B-8/TS21	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
	SLEWING UNIT COMPLETE TS21	8.2 ft	6.6 ft	15 ft	1	15,435 kg
	SLEWING UNIT COMPLETE H20	8.2 ft	7.5 ft	16.4 ft	1	16,207 kg
	CAB	6.6 ft	4.3 ft	8.2 ft	1	1,433 kg
	COUNTERJIB COMPLETE	31.8 ft	4.4 ft	2.6 ft	1	4,939 kg
	JIB POINT SECTION	3 ft	4.3 ft	3.6 ft	1	154 kg
	JIB SECTION-22 COMPLETE (TROLLEY AND HOIST BLOCK)	39 ft	6.6 ft	9.2 ft	1	14,994 kg**
	JIB SECTION-22 COMPLETE	39 ft	5.4 ft	7.9 ft	1	13,451 kg**
	JIB TROLLEY AND HOIST BLOCKS	4.4 ft	5.2 ft	3 ft	1	1,594 kg
	HOIST WINCH 30AFC40	4.9 ft	2.9 ft	5.9 ft	1	2,426 kg
	BALLAST BASKET	3.9 ft	2.5 ft	8.9 ft	1	584 kg
	JIB SECTION-23	33.8 ft	3.6 ft	7.2 ft	1	4,765 kg
	JIB SECTION-24	33.8 ft	3.6 ft	7.2 ft	1	3,638 kg
	JIB SECTION-25	33.8 ft	3.6 ft	6 ft	1	3,087 kg
	JIB SECTION-5	17.1 ft	3.6 ft	5.9 ft	1	1,169 kg
	JIB SECTION-6	17.1 ft	3.6 ft	5.9 ft	1	1,125 kg
	JIB SECTION-7	17.1 ft	3.6 ft	4.3 ft	1	992 kg
	JIB SECTION-8	17.1 ft	3.6 ft	4.3 ft	1	904 kg
	JIB SECTION-9	17.1 ft	3.6 ft	4.3 ft	1	684 kg
	JIB SECTION-10	17.1 ft	3.6 ft	4.3 ft	1	551 kg

* Inclusive of ladder, ladder support and protection, platform

** rope excluded

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www.terexcranes.com

Effective Date: June 2010.

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