

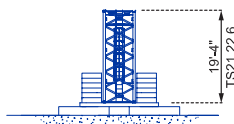
Free-Standing Hook Heights

STANDARD FOUNDATION	
Tower Configuration	Hook Height (ft.)
10 x TS21 22.6	201'-0"
9 x TS21 22.6 + 1 x TS21 22.3	191'-9"
9 x TS21 22.6	182'-0"
8 x TS21 22.6 + 1 x TS21 22.3	171'-9"
8 x TS21 22.6	162'-0"
7 x TS21 22.6 + 1 x TS21 22.3	152'-9"
7 x TS21 22.6	143'-0"
6 x TS21 22.6 + 1 x TS21 22.3	133'-9"
6 x TS21 22.6	124'-0"
5 x TS21 22.6 + 1 x TS21 22.3	113'-9"
5 x TS21 22.6	104'-0"
4 x TS21 22.6 + 1 x TS21 22.3	94'-9"
4 x TS21 22.6	85'-0"
3 x TS21 22.6 + 1 x TS21 22.3	75'-9"
3 x TS21 22.6	66'-0"

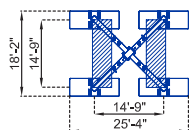
BASE CROSS FOUNDATION	
Tower Configuration	Hook Height (ft.)
N/A	N/A
N/A	N/A
N/A	N/A
7 x TS21 22.6 + 1 x TS21 22.3	156'-4"
7 x TS21 22.6	146'-8"
6 x TS21 22.6 + 1 x TS21 22.3	136'-0"
6 x TS21 22.6	127'-4"
5 x TS21 22.6 + 1 x TS21 22.3	117'-7"
5 x TS21 22.6	107'-11"
4 x TS21 22.6 + 1 x TS21 22.3	98'-4"
4 x TS21 22.6	88'-7"
3 x TS21 22.6 + 1 x TS21 22.3	78'-11"
3 x TS21 22.6	69'-3"
2 x TS21 22.6 + 1 x TS21 22.3	59'-6"
2 x TS21 22.6	49'-10"

Tower configurations based on 115 mph wind speeds, out of service and 45 mph in service. Additional tower configuration and information available upon request.

STANDARD FOUNDATION



C45 CROSS BASE



PLAN VIEW

Trolley with 2-Part Line

Hook Radius (ft.) 7'-7" (min.)	AVAILABLE JIB LENGTHS IN FEET						
	L7 213'-3"	L6 196'-10"	L5 180'-5"	L4 164'-1"	L3 147'-8"	L2 131'-3"	L1 114'-10"
49'-3"	8819	8819	8819	8819	8819	8819	8819
65'-7"	8819	8819	8819	8819	8819	8819	8819
82'-0"	8819	8819	8819	8819	8819	8819	8819
98'-5"	8819	8819	8819	8819	8819	8819	8819
114'-10"	8819	8819	8819	8819	8819	8819	8819
131'-3"	7871	8819	8819	8819	8819	8819	
147'-8"	6878	8311	8819	8819	8819		
164'-1"	6063	7363	7871	8157			
170'-7"	5735	6972	7462				
180'-5"	5423	6592	7055				
187'-0"	5128	6266					
196'-10"	4872	5953					
203'-5"	4622						
213'-3"	4409						












Trolley with 4-Part Block, 2-Part Line

Hook Radius (ft.) 7'-7" (min.)	AVAILABLE JIB LENGTHS IN FEET						
	L7 213'-3"	L6 196'-10"	L5 180'-5"	L4 164'-1"	L3 147'-8"	L2 131'-3"	L1 114'-10"
49'-3"	8819	8819	8819	8819	8819	8819	8819
65'-7"	8819	8819	8819	8819	8819	8819	8819
82'-0"	8819	8819	8819	8819	8819	8819	8819
98'-5"	8819	8819	8819	8819	8819	8819	8819
114'-10"	8598	8819	8819	8819	8819	8819	8819
131'-3"	7341	8819	8819	8819	8819	8819	
147'-8"	6371	7826	8400	8730	8819		
164'-1"	5578	6901	7408	7716			
170'-7"	5222	6505	6995				
180'-5"	4938	6151	6614				
187'-0"	4640	5801					
196'-10"	4409	5512					
203'-5"	4160						
213'-3"	3968						

Trolley with 4-Part Block, 4-Part Line

Hook Radius (ft.) 7'-7" (min.)	AVAILABLE JIB LENGTHS IN FEET						
	L7 213'-3"	L6 196'-10"	L5 180'-5"	L4 164'-1"	L3 147'-8"	L2 131'-3"	L1 114'-10"
49'-3"	17637	17637	17637	17637	17637	17637	17637
65'-7"	16116	17637	17637	17637	17637	17637	17637
82'-0"	12610	15234	16270	16865	17417	17637	17637
98'-5"	10252	12456	13316	13801	14264	14595	14903
114'-10"	8598	10472	11200	11640	12125	12346	12566
131'-3"	7341	8973	9634	10009	10340	10582	
147'-8"	6371	7826	8400	8730	9039		
164'-1"	5578	6901	7408	7716			
170'-7"	5222	6505	6995				
180'-5"	4938	6151	6614				
187'-0"	4640	5801					
196'-10"	4409	5512					
203'-5"	4160						
213'-3"	3968						

Speeds

TROLLEY DVF 3 4 D7		0 to 210 fpm				1 x 5.36 HP / 1 x 4 kW	
TRAVEL TAD 2RP 2M4		0 to 78.7 fpm				2 x 5.36 HP / 2 x 4 kW	
TAD 2RG 4M3		0 to 78.7 fpm				4 x 4 HP / 4 x 3 kW	
SWING SVF 2 2 6		0 to 0.7 rpm				2 x 7.4 HP / 2 x 5.5 kW	
FREQUENCY HOIST UNIT 37 AFC 40 (Variant) (HP 50)		 fpm lbs		 fpm lbs		Maximum Hook Heights ft.	
		433.1	2,205	216.5	4,409	837	418
		344.5	3,307	170.6	6,614	Total motor output approx. 85 HP Without Travel 70 HP Connected Power 59 kVA	
		269	4,409	134.5	8,819		
		187	6,614	91.9	13,228		
		144.4	8,819	72.2	17,637		

Measured under nominal load at the turntable of the tower crane. Speeds and power calculated using 480 VAC @ 60 Hertz.

Power Requirements

Power Supply: 3-phase 480 V, 60 Hz; 3-wire plus ground; No Neutral.

480 V phase - phase, 277 V each phase to ground with 120° phase shift between phases.

Service size: Fused disconnect, 200 Amperes.

Notes:

- For electric power provided by an electric utility, do not use open Delta transformers.
- For electric power provided by a generator, the minimum generator size required is 350 kW.
A properly sized generator is critical to the safe operation of the crane.








































Counterweight

JIB LENGTH	L1	L2	L3	L4	L5	L6	L7
WEIGHT (LBS.)	32,636	34,400	37,928	40,354	42,118	43,882	43,882
COUNTERWEIGHT A	4	4	4	5	5	5	5
COUNTERWEIGHT B	1	2	4	1	2	3	3

Counterweight A = 7,718 lbs Counterweight B = 1,764 lbs

Information contained in this specification sheet is of a general nature. Operator's manual should be consulted and adhered to.

Dimensions and Weights

ITEM	ILLUSTRATION	LENGTH	WIDTH	HEIGHT	WEIGHT lbs.	ASSEMBLED COMPONENTS
TS 21 22.6 Anchor Stool		1'-4"	1'-4"	4'-9"	362	
Beam A for Undercarriage C45		22'-4"	1'-4"	3'-4"	6,217	Counter jib (No blocks in the basket) 31' - 5,513 lbs.
Beam B for Undercarriage C45		22'-4"	2'-6"	2'-7"	5,776	
Crossbeam for Undercarriage C45		14'-5"	0'-5"	1'-10"	507	
TS21 22.6		6'-11"	6'-11"	19'-6"	5,622	Jib Section 30 (with Trolley) 38' - 14,994 lbs.
TS21 22.3		6'-11"	6'-11"	9'-9"	3,047	
Turntable		8'-2"	7'-3"	5'-5"	11,687	Outer jib for 114'-10" hook radius 98' - 11,446 lbs.
Cab Section w/Ladder & Platform		5'-11"	4'-6"	11'-6"	3,726	
TS21 Complete Slewing Unit		8'-2"	7'-2"	15'-0"	15,432	
Cabin (CAB EVO 15)		10'-6"	6'-7"	7'-6"	2,624	Outer jib for 131'-3" hook radius 115' - 12,569 lbs.
Electrical Box Platform		7'-10"	5'-2"	5'-10"	1,698	
Complete Counterjib		31'-10"	4'-5"	2'-7"	4,938	Outer jib for 147'-8" hook radius 131' - 13,671 lbs.
Ballast Basket		3'-11"	2'-6"	8'-10"	584	
Jib Section-30 Complete		39'-1"	5'-5"	7'-10"	13,451	
Jib Section-23		33'-10"	3'-7"	7'-2"	4,764	Outer jib for 164'-1" hook radius 148' - 14,553 lbs.
Jib Section-24		33'-10"	3'-7"	7'-2"	3,638	
Jib Section-25		33'-10"	3'-7"	6'-0"	3,087	Outer jib for 180'-5" hook radius 164' - 15,656 lbs.
Jib Section-5		17'-1"	3'-7"	5'-11"	1,168	
Jib Section-6		17'-0"	3'-7"	5'-11"	1,124	
Jib Section-7		17'-0"	3'-7"	4'-4"	992	Outer jib for 196'-10" hook radius 181' - 16,317 lbs.
Jib Section-8		17'-0"	3'-7"	4'-4"	904	
Jib Section-9		17'-1"	3'-7"	4'-4"	683	
Jib Section-10		17'-1"	3'-7"	4'-4"	551	Outer jib for 213'-3" hook radius 198' - 16,758 lbs.
Jib Tip		3'-0"	4'-4"	3'-7"	154	
Trolley and Hoist Block		4'-5"	5'-3"	2'-11"	1,594	
Counterweight -A		5'-3"	3'-1"	1'-10"	7,718	
Counterweight -B		1'-8"	3'-6"	2'-1"	1,764	
Power Cable		3'-4"	3'-4"	3'-6"	600	
Central Ballast Block (SR "C")		14'-5"	4'-1"	1'-4"	11,025	
Foundation Block (IR "C")		9'-2"	3'-3"	1'-10"	8,820	

*Any printed weights should be confirmed in the field and adjustments made to lifting equipment if required. Images within this specification sheet are not to scale.

*The operators manual should be used for crane assembly/disassembly. Sizes and weights shown herein are for general illustration and are approximate in scope.

Consult operating manual for erection instructions.