

## Free-Standing Hook Heights

STANDARD FOUNDATION	
Tower Configuration	Hook Height (ft.)
7 x TS 19 + 4 x TS 211 + 2 x TS 212	249'-4"
7 x TS 19 + 5 x TS 211	230'-0"
7 x TS 19 + 4 x TS 211	210'-8"
7 x TS 19 + 3 x TS 211	191'-3"
7 x TS 19 + 2 x TS 211	171'-11"
7 x TS 19 + 1 x TS 211	152'-7"
6 x TS 19 + 1 x TS 211	133'-2"
5 x TS 19 + 1 x TS 211	113'-10"
4 x TS 19 + 1 x TS 211	94'-6"
3 x TS 19 + 1 x TS 211	75'-2"
2 x TS 19 + 1 x TS 211	55'-9"
1 x TS 19 + 1 x TS 211	36'-5"

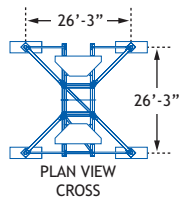
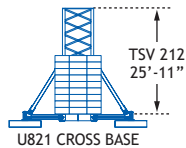
BASE CROSS FOUNDATION	
Tower Configuration	Hook Height (ft.)
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
7 x TS 19 + TSV 212 + 2 x TS 211	201'-9"
7 x TS 19 + TSV 212 + TS 211	182'-5"
6 x TS 19 + TSV 212 + TS 211	163'-0"
5 x TS 19 + TSV 212 + TS 211	143'-8"
4 x TS 19 + TSV 212 + TS 211	124'-4"
3 x TS 19 + TSV 212 + TS 211	105'-0"
2 x TS 19 + TSV 212 + TS 211	85'-7"
1 x TS 19 + TSV 212 + TS 211	66'-3"

TSK 212 section **MUST** be installed for any top climbing applications.

Tower configurations based on 94 mph wind speeds, out of service and 45 mph in service.

Additional tower configuration and rail traveling information available upon request.

STANDARD FOUNDATION















### 2-Part Line

Hook Radius (ft.) 8'-6" (min.)	AVAILABLE JIB LENGTHS IN FEET					
	L6 196'-10"	L5 180'-5"	L4 164'-1"	L3 147'-8"	L2 131'-3"	L1 114'-10"
40'-0	13775	13775	13775	13775	13775	13775
45'-0	13775	13775	13775	13775	13775	13775
50'-0	13775	13775	13775	13775	13775	13775
55'-0	13775	13775	13775	13775	13775	13775
60'-0	13775	13775	13775	13775	13775	13775
65'-0	13775	13775	13775	13775	13775	13775
70'-0	13775	13775	13775	13775	13775	13775
75'-0	13775	13775	13775	13775	13775	13775
80'-0	13775	13775	13775	13775	13775	13775
85'-0	13775	13775	13775	13775	13775	13775
90'-0	13775	13775	13775	13775	13775	13775
95'-0	13150	13775	13775	13775	13775	13775
100'-0	12380	13200	13775	13775	13775	13775
105'-0	11680	12460	13580	13775	13775	13775
110'-0	11050	11790	12860	13760	13775	13775
114'-8	10494	11199	12214	13073	13669	13775
120'-0	9950	10650	11600	12430	12980	
125'-0	9460	10110	11050	11840	12370	
130'-0	9020	9640	10540	11300	11810	
131'-2	8907	9546	10428	11177	11685	
135'-0	8610	9210	10070	10800		
140'-0	8230	8810	9640	10340		
145'-0	7870	8430	9240	9910		
147'-6	7694	8245	9039	9700		
150'-0	7550	8080	8860			
155'-0	7240	7760	8510			
160'-0	6950	7460	8180			
164'-0	6724	7231	7937			
165'-0	6680	7170				
170'-0	6430	6900				
175'-0	6190	6650				
180'-4	5952	6393				
185'-0	5750					
190'-0	5550					
195'-0	5360					
196'-9	5291					

### 4-Part Line

Hook Radius (ft.) 8'-6" (min.)	AVAILABLE JIB LENGTHS IN FEET					
	L6 196'-10"	L5 180'-5"	L4 164'-1"	L3 147'-8"	L2 131'-3"	L1 114'-10"
40'-0	27550	27550	27550	27550	27550	27550
45'-0	27550	27550	27550	27550	27550	27550
50'-0	27550	27550	27550	27550	27550	27550
55'-0	24820	26360	27550	27550	27550	27550
60'-0	22450	23860	25880	27550	27550	27550
65'-0	20470	21760	23620	25190	26240	26630
70'-0	18790	19980	21700	23150	24120	24480
75'-0	17350	18450	20050	21400	22300	22640
80'-0	16090	17130	18620	19880	20720	21030
85'-0	14990	15960	17360	18540	19340	19630
90'-0	14020	14930	16250	17360	18110	18390
95'-0	13150	14020	15260	16310	17020	17280
100'-0	12380	13200	14380	15370	16040	16290
105'-0	11680	12460	13580	14530	15160	15400
110'-0	11050	11790	12860	13760	14370	14590
114'-8	10494	11199	12214	13073	13669	13889
120'-0	9950	10620	11600	12430	12980	
125'-0	9460	10110	11050	11840	12370	
130'-0	9020	9640	10540	11300	11810	
131'-2	8907	9546	10428	11177	11685	
135'-0	8610	9210	10070	10800		
140'-0	8230	8810	9640	10340		
145'-0	7870	8430	9240	9910		
147'-6	7694	8245	9039	9700		
150'-0	7550	8080	8860			
155'-0	7240	7760	8510			
160'-0	6950	7460	8180			
164'-0	6724	7231	7937			
165'-0	6680	7170				
170'-0	6430	6900				
175'-0	6190	6650				
180'-4	5952	6393				
185'-0	5750					
190'-0	5550					
195'-0	5360					
196'-9	5291					

## Speeds

TROLLEY FU 4-125/4		0 to 265 fpm (0 to 80 m/min)				1 x 5.4 HP / 1 x 4.0 kW	
TRAVEL SR 10-155/3		0 to 100 fpm (0 to 30 m/min)				2 x 16.3 HP / 2 x 12.0 kW	
SWING KWB 80/4		0 to 1 rpm				2 x 11.4 HP / 2 x 8.4 kW	
FREQUENCY HOIST UNIT FU 45-63/5						Max. Hook Heights ft./m	
		fpm m/min	lbs kg	fpm m/min	lbs kg		
		440 133	3,750 1,700	220 67	7,500 3,400	705 (6 layers) 214	252 (6 layers) 107
		348 106	5,500 2,500	174 53	11,000 5,000	Total motor output approx. (without travel) 130 HP Connected Power 80 kVA	
		236 72	8,800 4,000	118 36	17,600 8,000		
	133 40	13,700 6,250	67 20	27,500 12,500			

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

## Power Requirements

FREQUENCY HOIST UNIT	480 Volts	3-phase	60-cycle	200 Amps
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Dedicated power service recommended.

## Counterweight

JIB LENGTH	L1	L2	L3	L4	L5	L6
WEIGHT (LBS)	23,050	27,450	30,000	32,200	34,400	36,600
SMALL COUNTERWEIGHT	2	0	3	2	1	0
LARGE COUNTERWEIGHT	1	3	1	2	3	4

Small counterweight = 3200 lbs. Large counterweight = 6800 lbs. Allowable deviation +5%/-0%

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

## Dimensions and Transport Weights

ITEM	ILLUSTRATION	LENGTH	WIDTH	HEIGHT	WEIGHT lbs.	ASSEMBLED COMPONENTS
TS 212 and 212.1 Anchor Stools		3'-2"	2'-0"	2'-0"	850	
U 821 Base Cross for TS 211 & TS 212 Tower		34'-7"	2'-9"	9'-1"	17,100	 70 HP Counterjib Outer Section (including Wire rope) 25' - 13,500 lbs. 12mm Wire rope weighs - 0.6 lbs./foot
TSV 212.1 Tower Section for U821 Cross		31'-2"	10'-0"	9'-10"	20,500	
TS 19.1 Tower Section		19'-5"	6'-9"	6'-11"	5,800	 Jib for L1 114'-10" hook radius with one trolley, load block and suspension bars - 18,000 lbs.
TS 19.2 Tower Section		38'-10"	6'-9"	6'-11"	11,420	
TS 19 to TS 211/212 Tower Transition Section		6'-9"	1'-4"	6'-11"	3,150	
TS 211 Tower Section		19'-6"	8'-0"	8'-0"	7,230	 Jib for L2 131'-3" hook radius with one trolley, load block and suspension bars - 19,400 lbs.
Turntable with slewing ring support and cabin		36'-2"	8'-4"	8'-6"	22,490	
Turntable with slewing ring support		32'-11"	8'-4"	8'-5"	21,170	
Cabin with support and railing		8'-10"	7'-9"	4'-6"	1,320	 Jib for L3 147'-8" hook radius with one trolley, load block and suspension bars - 20,100 lbs.
Counter jib with hoist winch		24'-8"	7'-10"	6'-3"	13,230	
Hoist winch		7'-6"	3'-3"	5'-5"	5,400	
Counterweight (small)		3'-11"	9'-4"	1'-8"	6,945	 Jib for L4 164'-0" hook radius with one trolley, load block and suspension bars - 20,950 lbs.
Counterweight (large)		3'-11"	12'-1"	1'-8"	9,150	
Jib Section No. 1 w/ Trolley machinery		39'-0"	7'-6"	5'-3"	6,940	 Jib for L5 180'-5" hook radius with one trolley, load block and suspension bars - 21,600 lbs.
Jib Section No. 2		38'-10"	5'-4"	4'-10"	3,520	
Jib Section No. 3		38'-10"	6'-0"	4'-10"	3,640	
Jib Section No. 4		17'-3"	5'-3"	4'-10"	1,320	 Jib for L6 196'-10" hook radius with one trolley, load block and suspension bars - 22,900 lbs.
Jib Section No. 5		33'-7"	5'-3"	4'-10"	2,120	
Jib Section No. 6		33'-4"	5'-2"	4'-10"	1,320	
Jib Tip Section		1'-11"	1'-5"	4'-10"	180	
Ballast Block (Large)		13'-1"	2'-2"	4'-5"	13,400	
Ballast Block (Small)		11'-6"	2'-2"	4'-11"	11,200	
Power Cable		3'-4"	3'-4"	3'-6"	600	

\*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.