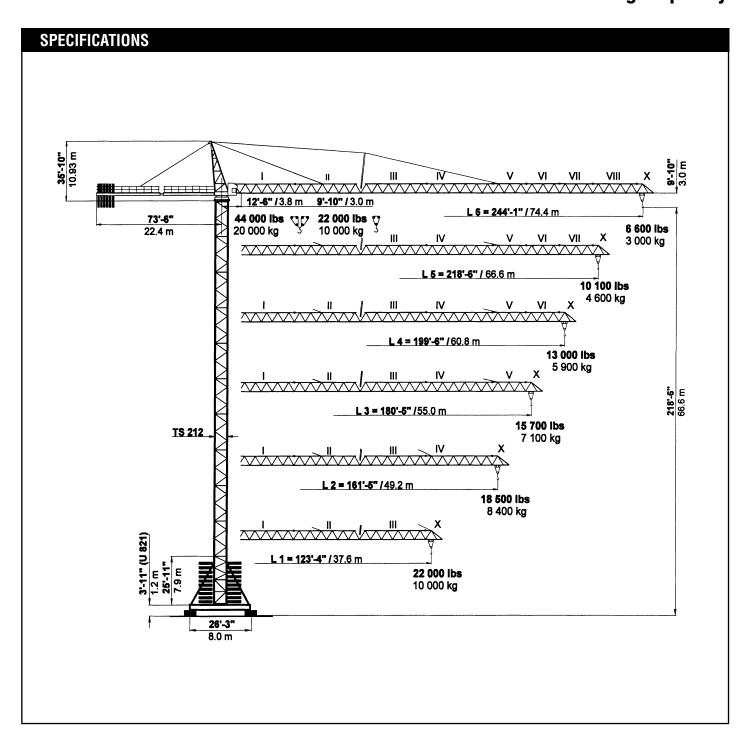


PEINER SK 405

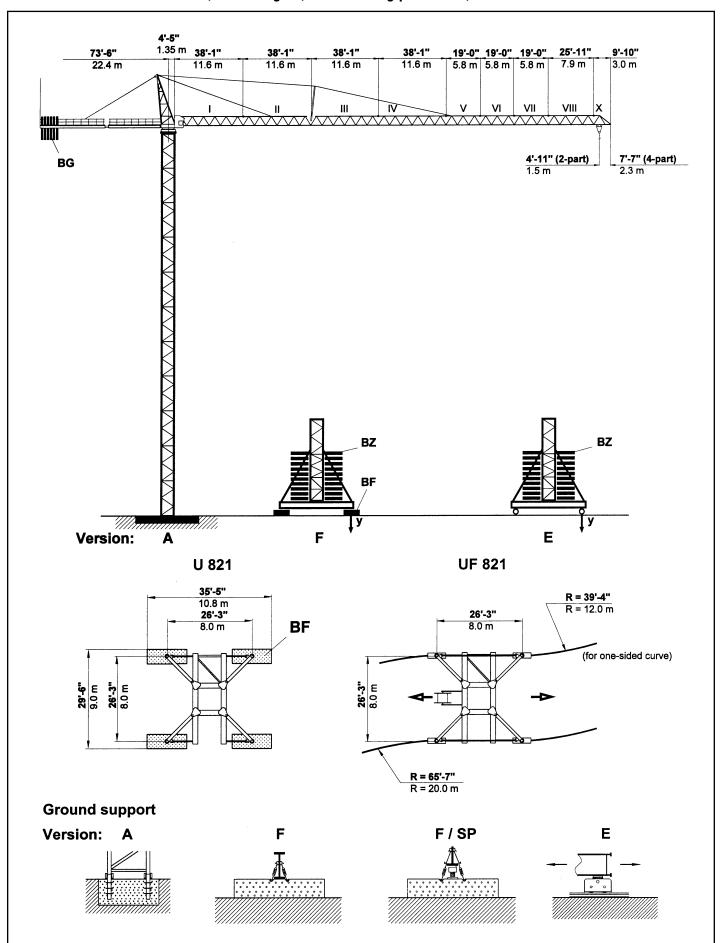
Hammerhead Tower Crane 22,000-44,000 lbs. (10-20 mt) Lifting Capacity

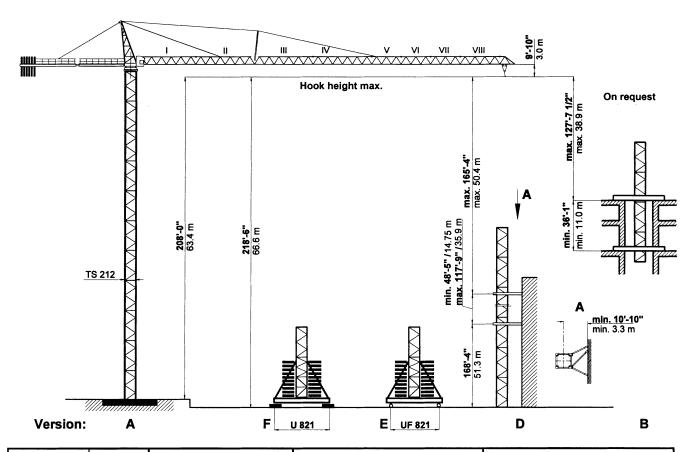


simple, available and cost effectiveTM

PEINER SK 405

Combinations of tower section, hook heights, forces acting per corner, base ballast





TS 212	Version A				Version F		Version E			
Tower	НН	Tower	нн	BZ		у	BZ	,	У	
TS 212.1	ft	TSV 212	ft	+ BF	in service	out of service		in service	out of service	
	m	TS 212.1	m	kips / t	kips / kN	kips / kN	kips / t	kips / kN	kips / kN	
11 x TS 212.1	208'-0"* 63.4*	1 x TSV 212 10 x TS 212.1	218'-6"* 66.6*	239.0 108.4	228 1015	568 1138	261.9 118.8	248 1105	267 1189	
10 x TS 212.1	188'-8" 57.5	1 x TSV 212 9 x TS 212.1	199'-2" 60.7	209.9 95.2	213 948	226 1005	232.8 105.6	232 1033	237 1056	
0 v TC 242.4	169'-3"	1 x TSV 212	179'-9"	180.8	198	198	203.7	217	209	
9 x TS 212.1	51.6	8 x TS 212.1	54.8	82.0	882	879	92.4	963	929	
8 x TS 212.1	149'-11" 45.7	1 x TSV 212 7 x TS 212.1	160'-5" 48.9	151.7 68.8	184 817	170 758	174.6 79.2	201 894	182 808	
7 x TS 212.1	130'-7" 39.8	1 x TSV 212 6 x TS 212.1	141'-1" 43.0	122.6 55.6	170 754	144 642	1 74.6 79.2	193 860	163 725	
6 x TS 212.1	111'-3"	1 x TSV 212 5 x TS 212.1	121'-9"	122.6 55.6	163 725	127 566	145.5	178	138 615	
5 x TS 212.1	33.9 91'-10"	1 x TSV 212	37.1 102'-4"	122.6	157	111	66.0 145.5	794 172	122	
4 x TS 212.1	28.0 72'-6"	4 x TS 212.1 1 x TSV 212	31.2 83'-0"	55.6 93.5	697 143	495 105	66.0 116.4	763 157	544 108	
4 X 13 212.1	22.1	3 x TS 212.1	25.3	42.4	638	469	52.8	700	480	
3 x TS 212.1	53'-2" 16.2	1 x TSV 212 2 x TS 212.1	63'-8'' 19.4	93.5 42.4	140 622	105 469	116.4 52.8	151 671	108 480	
2 x TS 212.1	33'-10" 10.3	1 x TSV 212 1 x TS 212.1	44'-3" 13.5	122.6 55.6	140 622	105 469	11 6.4 52.8	145 645	108 480	
Founda				Stationary base			Travelling base			
22'-8" x 22'-8 6.9 x 6.9 x				U 821			UF 821			
Anchor s				BF		BZ		Bogie		
4 x FF :	212			4 x 8.82 k 4 x 4.0	•	ck 14.55 kips Block 6.6 t		Curve F 500		

If TSK 212 section is used the hook height is increased by 6'-7" (2 m).

* Lower climbing section after erection.

PEINER SK 405 Radius and Capacity

	Jib	Max. capacity max.	Capa	us – ft. icity –	lbs. /m				ine Ţ	max	c. 22,0) t								
1	ft	22,000 lbs	70'-11"	73'-10"	78'-9"	85'-4"	98'-5"	105'-0"	118'-1"	123'-4"	131'-3"	161'-5"	170'-7"	180'-5"	190'-3"	199'-6"	210'-0"	218'-6"	229'-8"	244'-1"
	m	10.0 t	21.6	22.5	24.0	26.0	30.0	32.0	36.0	37.6	40.0	49.2	52.0	55.0	58.0	60.8	64.0	66.6	70.0	74.4
L6	244'-1"	9'-10" - 88'-7"	22000											9800		8600		7700	7100	
	74.4	3.0 - 27.0 m								6.8				4.4		3.9		3.5	3.2	3.0
L5		9'-10" - 105'-0"																1		
	66.6	3.0 - 32.0 m								8.9	8.2		6.2	5.8		5.2	4.8	4.6		
L4		9'-10" - 123'-4"																		
	60.8	3.0 - 37.6 m												6.6	6.2	5.9				
L3		9'-10" - 131'-3"																		
<u>_</u>	55.0	3.0 - 40.0 m	10.0							10.0	10.0		7.6	7.1						
	161°-5° 49.2	9'-10" - 137'-9" 3.0 - 42.0 m								10.0	10.0							İ		
1.4		9'-10" - 123'-4"									10.0	0.4								
ľ-'	37.6	3.0 - 37.6 m		10.0																
\vdash			10.0	10.0	10.0	10.0					440	00 11		-						
	ft	44,000 lbs					4-Pa	rt Line					S			Rad	ius - 2	2'-7''	(- 0.8	m)
\mathbf{L}	m	20.0 t								max	' 20 (1 T								
L6	241'-6"	40' C" AE' 7"																		
										13200	11900	9300		7900		6800	6200	6000	5700	4900
	73.6	3.8 - 13.9 m	11.6	11.0	10.2	9.2	8.1	7.4	6.4	13200 6.0	11900 5.4	9300 4.2	3.9	3.6	3.3	3.1	2.8	2.7	5700 2.6	
L5	215'-11"	3.8 - 13.9 m 12'-6" - 57'-5"	11.6 34400	11.0 32800	10.2 30400	9.2 27600	8.1 23400	7.4 20300	6.4 19000	13200 6.0 18100	11900 5.4 16500	9300 4.2 12800	3.9 11900	3.6 11000	3.3 10100	3.1 9500	2.8 8800	2.7 8400		
	215'-11" 65.8	3.8 - 13.9 m 12'-6" - 57'-5" 3.8 - 17.5 m	11.6 34400 15.6	11.0 32800 14.9	10.2 30400 13.8	9.2 27600 12.5	8.1 23400 10.6	7.4 20300 9.2	6.4 19000 8.6	13200 6.0 18100 8.2	11900 5.4 16500 7.5	9300 4.2 12800 5.8	3.9 11900 5.4	3.6 11000 5.0	3.3 10100 4.6	3.1 9500 4.3	2.8	2.7		
	215'-11" 65.8 196'-10"	3.8 - 13.9 m 12'-6" - 57'-5" 3.8 - 17.5 m 12'-6" - 65'-0"	11.6 34400 15.6 40100	11.0 32800 14.9 38100	10.2 30400 13.8 35300	9.2 27600 12.5 32200	8.1 23400 10.6 27100	7.4 20300 9.2 25100	6.4 19000 8.6 22000	13200 6.0 18100 8.2 21400	11900 5.4 16500 7.5 19400	9300 4.2 12800 5.8 15200	3.9 11900 5.4 13900	3.6 11000 5.0 12800	3.3 10100 4.6 11900	3.1 9500 4.3 11200	2.8 8800	2.7 8400		
L4	215'-11" 65.8 196'-10" 60.0	3.8 - 13.9 m 12'-6" - 57'-5" 3.8 - 17.5 m 12'-6" - 65'-0" 3.8 - 19.8 m	11.6 34400 15.6 40100 18.2	11.0 32800 14.9 38100 17.3	10.2 30400 13.8 35300 16.0	9.2 27600 12.5 32200 14.6	8.1 23400 10.6 27100 12.3	7.4 20300 9.2 25100 11.4	6.4 19000 8.6 22000 10.0	13200 6.0 18100 8.2 21400 9.7	11900 5.4 16500 7.5 19400 8.8	9300 4.2 12800 5.8 15200 6.9	3.9 11900 5.4 13900 6.3	3.6 11000 5.0 12800 5.8	3.3 10100 4.6 11900	3.1 9500 4.3	2.8 8800	2.7 8400		
L4	215'-11" 65.8 196'-10" 60.0 177'-10"	3.8 - 13.9 m 12'-6" - 57'-5" 3.8 - 17.5 m 12'-6" - 65'-0" 3.8 - 19.8 m 12'-6" - 68'-7"	11.6 34400 15.6 40100 18.2 42500	11.0 32800 14.9 38100 17.3 40600	10.2 30400 13.8 35300 16.0 37700	9.2 27600 12.5 32200 14.6 34400	8.1 23400 10.6 27100 12.3 29100	7.4 20300 9.2 25100 11.4 26900	6.4 19000 8.6 22000 10.0 23400	13200 6.0 18100 8.2 21400 9.7 22800	11900 5.4 16500 7.5 19400 8.8 20700	9300 4.2 12800 5.8 15200 6.9 16300	3.9 11900 5.4 13900 6.3 15000	3.6 11000 5.0 12800 5.8 14100	3.3 10100 4.6 11900	3.1 9500 4.3 11200	2.8 8800	2.7 8400		
L4 L3	215'-11" 65.8 196'-10" 60.0 177'-10" 54.2	3.8 - 13.9 m 12'-6" - 57'-5" 3.8 - 17.5 m 12'-6" - 65'-0" 3.8 - 19.8 m 12'-6" - 68'-7" 3.8 - 20.9 m	11.6 34400 15.6 40100 18.2 42500 19.3	11.0 32800 14.9 38100 17.3 40600 18.4	10.2 30400 13.8 35300 16.0 37700 17.1	9.2 27600 12.5 32200 14.6 34400 15.6	8.1 23400 10.6 27100 12.3 29100 13.2	7.4 20300 9.2 25100 11.4 26900 12.2	6.4 19000 8.6 22000 10.0 23400 10.6	13200 6.0 18100 8.2 21400 9.7 22800 10.3	11900 5.4 16500 7.5 19400 8.8 20700 9.4	9300 4.2 12800 5.8 15200 6.9 16300 7.4	3.9 11900 5.4 13900 6.3	3.6 11000 5.0 12800 5.8 14100	3.3 10100 4.6 11900	3.1 9500 4.3 11200	2.8 8800	2.7 8400		
L4 L3	215'-11" 65.8 196'-10" 60.0 177'-10" 54.2 158'-10"	3.8 - 13.9 m 12'-6" - 57'-5" 3.8 - 17.5 m 12'-6" - 65'-0" 3.8 - 19.8 m 12'-6" - 68'-7" 3.8 - 20.9 m 12'-6" - 70'-10"	11.6 34400 15.6 40100 18.2 42500 19.3 44000	11.0 32800 14.9 38100 17.3 40600 18.4 42100	10.2 30400 13.8 35300 16.0 37700 17.1 39000	9.2 27600 12.5 32200 14.6 34400 15.6 35700	8.1 23400 10.6 27100 12.3 29100 13.2 30200	7.4 20300 9.2 25100 11.4 26900 12.2 28000	6.4 19000 8.6 22000 10.0 23400 10.6 24300	13200 6.0 18100 8.2 21400 9.7 22800 10.3 23700	11900 5.4 16500 7.5 19400 8.8 20700 9.4 21800	9300 4.2 12800 5.8 15200 6.9 16300 7.4 17000	3.9 11900 5.4 13900 6.3 15000	3.6 11000 5.0 12800 5.8 14100	3.3 10100 4.6 11900	3.1 9500 4.3 11200	2.8 8800	2.7 8400		
L4 L3	215'-11" 65.8 196'-10" 60.0 177'-10" 54.2 158'-10" 48.4	3.8 - 13.9 m 12'-6" - 57'-5" 3.8 - 17.5 m 12'-6" - 65'-0" 3.8 - 19.8 m 12'-6" - 68'-7" 3.8 - 20.9 m 12'-6" - 70'-10" 3.8 - 21.6 m	11.6 34400 15.6 40100 18.2 42500 19.3 44000 20.0	11.0 32800 14.9 38100 17.3 40600 18.4 42100 19.1	10.2 30400 13.8 35300 16.0 37700 17.1 39000 17.7	9.2 27600 12.5 32200 14.6 34400 15.6 35700 16.2	8.1 23400 10.6 27100 12.3 29100 13.2 30200 13.7	7.4 20300 9.2 25100 11.4 26900 12.2 28000 12.7	6.4 19000 8.6 22000 10.0 23400 10.6 24300 11.0	13200 6.0 18100 8.2 21400 9.7 22800 10.3 23700 10.8	11900 5.4 16500 7.5 19400 8.8 20700 9.4	9300 4.2 12800 5.8 15200 6.9 16300 7.4 17000	3.9 11900 5.4 13900 6.3 15000	3.6 11000 5.0 12800 5.8 14100	3.3 10100 4.6 11900	3.1 9500 4.3 11200	2.8 8800	2.7 8400		
L4 L3	215'-11" 65.8 196'-10" 60.0 177'-10" 54.2 158'-10" 48.4	3.8 - 13.9 m 12'-6" - 57'-5" 3.8 - 17.5 m 12'-6" - 65'-0" 3.8 - 19.8 m 12'-6" - 68'-7" 3.8 - 20.9 m 12'-6" - 70'-10"	11.6 34400 15.6 40100 18.2 42500 19.3 44000 20.0	11.0 32800 14.9 38100 17.3 40600 18.4 42100 19.1	10.2 30400 13.8 35300 16.0 37700 17.1 39000 17.7 41000	9.2 27600 12.5 32200 14.6 34400 15.6 35700 16.2 37500	8.1 23400 10.6 27100 12.3 29100 13.2 30200 13.7 31700	7.4 20300 9.2 25100 11.4 26900 12.2 28000 12.7 29300	6.4 19000 8.6 22000 10.0 23400 10.6 24300 11.0 25600	13200 6.0 18100 8.2 21400 9.7 22800 10.3 23700 10.8 24900	11900 5.4 16500 7.5 19400 8.8 20700 9.4 21800	9300 4.2 12800 5.8 15200 6.9 16300 7.4 17000	3.9 11900 5.4 13900 6.3 15000	3.6 11000 5.0 12800 5.8 14100	3.3 10100 4.6 11900	3.1 9500 4.3 11200	2.8 8800	2.7 8400		

Speeds

•															
FU 8-200/4	♣₽	v = 0	\rightarrow	~ 265 fpm (80 m / min.)				1 x 10.2 HP 1 x 7.5 kW						
SR 10-190/3															
K WB 150/4	v = 0 1.0 rpm (min -1) $1.3, 1.4, 1.5, 1.6$									2 x 12.24 HP 2 x 9 kW 3 x 12.24 HP 3 x 9 kW					
2-Part Line	HK max. :	= 820'	(250 m)	5- Layers					480 V / 60 Hz / 3	3 ph					
		A	2-Part Line	→ 444 fpm 134 m/min	5 500 lbs 2 500 kg	4-Part Line	▶ 222 fpm 67 m/min	11 000 lbs 5 000 kg	Total motor output	~155					
Type SR WB 66-	소 [1	*	3	276 fpm 84 m/min	9 300 lbs 4 200 kg		→ 138 fpm 42 m/min	18 600 lbs 8 400 kg	without	HP ∼114					
100/4F	└	└ → I	└ ↓	└	→	~	~		→ 180 fpm 54 m/min	15 700 lbs 7 100 kg		➤ 90 fpm 27 m/min	31 400 lbs 14 200 kg	SR 10-190/3	kW
[108 HP] [79 kW]				→ 108 fpm 34 m/min	22 000 lbs 10 000 kg		► 54 fpm 17 m/min	44 000 lbs 20 000 kg	Connected power	170 kVA					
2-Part Line	HK max. =	= 985'	(300 m)	6- Layers											
		4	2-Part Line	◆ 444 fpm 134 m/min	7 700 lbs 3 500 kg	4-Part Line	▶ 222 fpm 67 m/min	15 400 lbs 7 000 kg	Total motor output	~213					
Type SR WB 102-	스 1	*	3	276 fpm 84 m/min	13 200 lbs 6 000 kg		→ 138 fpm 42 m/min	26 400 lbs 12 000 kg	without	HP ∼157					
125/4F		~		► 180 fpm 54 m/min	22 000 lbs		▶ 90 fpm 27 m/min	44 000 lbs	SR 10-190/3	kW					
[167 HP] [122 kW]				→ 108 fpm 34 m/min	10 000 kg		→ 54 fpm 17 m/min	20 000 kg	Connected power	240 kVA					

Counterweight

Jib		L 1	L 2	L 3	L 4	L 5	L 6
	BG	30 400 lbs 13 850 kg	40 400 lbs 18 400 kg	47 200 lbs 21 500 kg	47 200 lbs 21 500 kg	50 400 lbs 22 950 kg	50 800 lbs 23 150 kg
Counterweight 66 WB	[lbs]	4 x 6 800 1 x 3 200	5 x 6 800 2 x 3 200	6 x 6 800 2 x 3 200	6 x 6 800 2 x 3 200	6 x 6 800 3 x 3 200	7 x 6 800 1 x 3 200
	[t]	4 x 3.10 1 x 1.45	5 x 3.10 2 x 1.45	6 x 3.10 2 x 1.45	6 x 3.10 2 x 1.45	6 x 3.10 3 x 1.45	7 x 3.10 1 x 1.45
	BG	30 400 lbs 13 850 kg	37 200 lbs 16 950 kg	44 000 lbs 20 050 kg	44 000 lbs 20 050 kg	47 200 lbs 21 500 kg	47 600 lbs 21 700 kg
Counterweight 102 WB	[lbs]	4 x 6 800 1 x 3 200	5 x 6 800 1 x 3 200	6 x 6 800 1 x 3 200	6 x 6 800 1 x 3 200	6 x 6 800 2 x 3 200	7 x 6 800
	[t]	4 x 3.10 1 x 1.45	5 x 3.10 1 x 1.45	6 x 3.10 1 x 1.45	6 x 3.10 1 x 1.45	6 x 3.10 2 x 1.45	7 x 3.10

	Designation			Dime	nsions (f	ît / m)	Weight	Volume
				I	b	h	lbs / t	ft³/m³
1	Jib Section I Section II Section III Section IV Section V Section VI Section VIII Jib tip X		- L	38.72 11.80 38.72 11.80 38.72 11.80 38.72 11.80 19.69 6.00 19.69 6.00 19.69 6.00 26.08 7.95 10.17 3.10	6.14 1.87 6.04 1.84 6.04 1.84 6.04 1.84 6.04 1.84 6.04 1.84 5.97 1.82	7.12 2.17 5.97 1.82 5.97 1.82 5.97 1.82 5.97 1.82 6.00 1.83 6.00 1.83 6.40 1.95	7 030 3.19 6 660 3.02 3 660 1.66 4 410 2.00 1 980 0.90 1 430 0.65 1 230 0.56 1 390 0.63 990 0.45	1 693 47.9 1 396 39.4 1 396 39.4 710 20.0 716 20.1 716 20.1 716 20.1 745 20.7 388 11.0
2	Tower top compl.			29.36 8.95	7.05 2.15	8.96 2.73	8 600 3.90	1855 52.5
3	Turntable with slewing ring sumotors	pport and		9.68 2.95	7.71 2.35	7.55 2.30	21 720 9.85	563 15.9
4	Cabin Support, railing, electrical panel			5.41 1.65	3.61 1.10 6.56	7.15 2.18 7.87	1 040 0.47 2 050	139 3.9 436
	Support, railing, electrical parier	Г		8.46 2.58	2.00	2.40	0.93	12.4
	Counter jib with hoist winch + electrical panel	G2		38.06 11.60	9.02 2.75	5.57 1.70	15 810 7.17 23130 * 10.49 *	1912 52.3
5		G1	b	31.86 9.71	6.50 1.98	2.33 0.71	4 740 2.15	482 13.6
	Hoist winch	66 WB 102 WB*		7.51 2.29 11.48 3.50	5.45 1.66 7.41 2.26	3.28 1.00 3.94 1.20	5 400 2.45 12720 * 5.77 *	134 8.4 335 9.5
6	Counter jib ballast	BG	b.	5.08 1.55 3.94 1.20	0.63 0.19 0.46 0.14	14.76 4.50 9.00 2.74	6 800 3.10 3 200 1.45	47 1.3 16 0.5
		TS 212.1		19.52 5.95	7.78 2.37	8.01 2.45	9 130 4.14	1 216 34.4
7	Tower section	TSV 212 with struts		31.17 9.50	9.84 3.00	10.00 3.05	20 330 9.22	3 067 86.9
		TSK 212.1		6.63 2.02	7.87 2.40	9.84 3.00	6 170 2.80	513 14.5
8	Traveling base, folded	UF 821		41.01 12.5	9.74 2.97	7.05 2.15	35 050 15.90	2 816 79.8
9	Stationary base, folded	U 821	- h	34.55 10.53	9.06 2.76	2.79 0.85	17 130 7.77	873 24.7
10	Central ballast block	BZ		4.50 14.77	2.05 6.73	0.40 1.31	6.60 14.55	3.7 130
11	Foundation pad	BF	E b	9.84 3.00	3.94 1.20	0.75 2.46	6.00 13.22	2.7 95
12	Accessories						13 140 5.96	

For more information, product demonstration, or details on lease and rental plans, please contact your local Terex Towers Distributor.

We reserve the right to amend these specifications at any time without notice. The only warranty applicable is our standard written warranty applicable to the particular product and sale. We make no other warranty, expressed or implied.



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