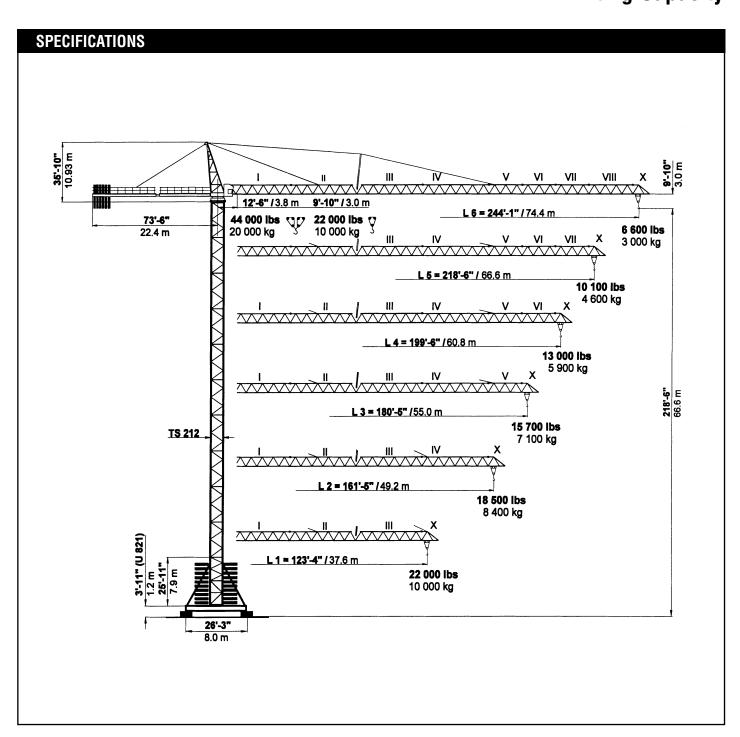




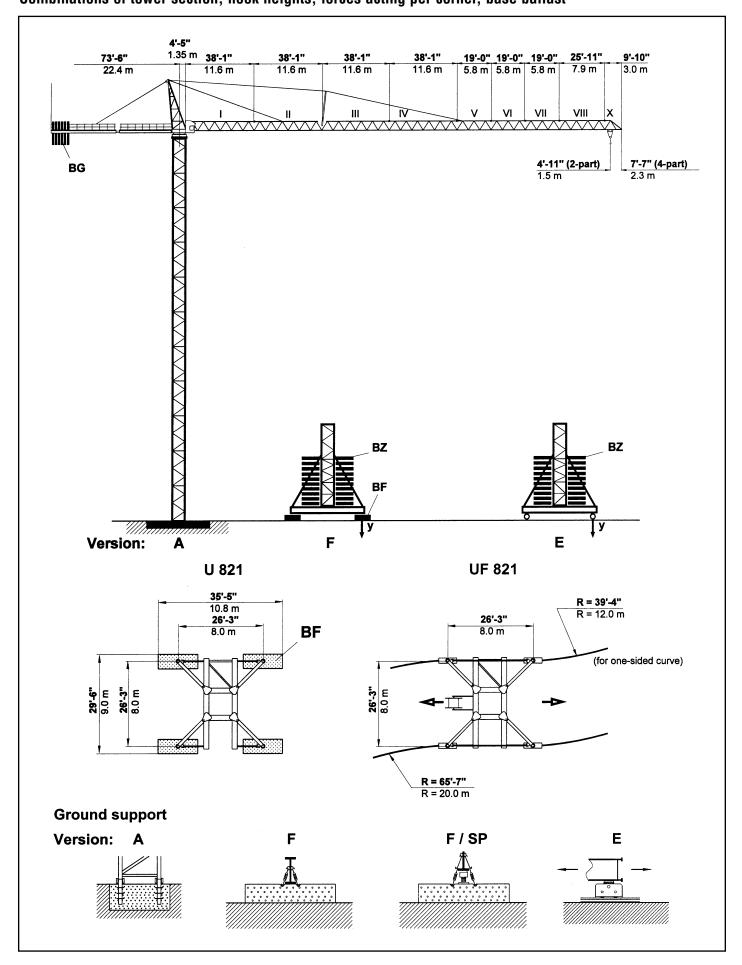
PEINER SK 405

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



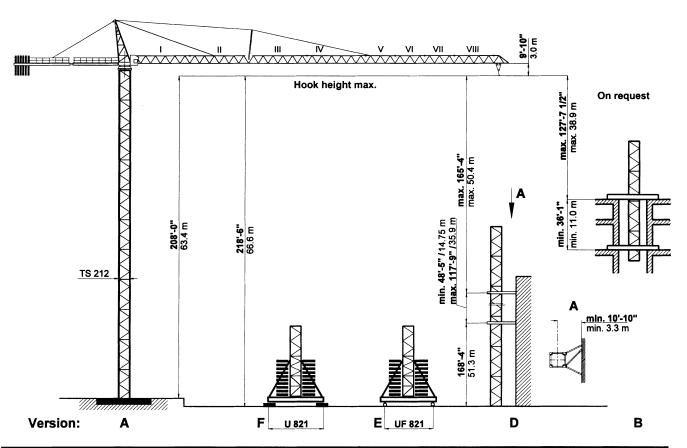
simple, available and cost effectiveTM

PEINER SK 405
Combinations of tower section, hook heights, forces acting per corner, base ballast





PEINER SK 405 Tower TS 212



TS 212	Version A				Version F		Version E			
Tower	нн	Tower	нн	BZ		у	BZ	,	1	
TS 212.1	ft m	TSV 212 TS 212.1	ft m	+ BF kips / t	in service kips / kN	out of service kips / kN	kips / t	in service kips / kN	out of service kips / kN	
11 x TS 212.1	208'-0"* 63.4*	1 x TSV 212 10 x TS 212.1	218'-6"* 66.6*	239.0 228 108.4 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	
9 x TS 212.1	169'-3" 51.6	1 x TSV 212 8 x TS 212.1	179'-9'' 54.8	180.8 82.0	198 882	198 879	203.7 92.4	217 963	209 929	
8 x TS 212.1	149'-11" 45.7	1 x TSV 212 7 x TS 212.1	160'-5" 48.9	151.7 184 68.8 817		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	1 70 754	144 642	174.6 79.2	193 860	163 725	
6 x TS 212.1	111'-3" 33.9	1 x TSV 212 121'-9" 122		122.6 55.6	163 725	127 566	145.5 66.0	178 794	138 615	
5 x TS 212.1	91'-10" 28.0	1 x TSV 212 4 x TS 212.1	102'-4" 31.2	122.6 55.6	157 697	111 495	145.5 66.0	172 763	122 544	
4 x TS 212.1	72'-6" 22.1	1 x TSV 212 3 x TS 212.1	83'-0" 25.3	93.5 42.4	143 638	105 469	116.4 52.8	157 700	108 480	
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	221 408 1 x TSV 212 441 28 122 6		140 105 622 469		116.4 52.8	145 645	108 480			
Founda	Foundation			Stationary base			1	ravelling bas	е	
6.9 x 6.9 x	22'-8" x 22'-8" x 5'-7" 6.9 x 6.9 x 1.7 m			U 821			UF 821			
Anchor stools 4 x FF 212				BF BZ 4 x 8.82 kips Block 14.55 kips 4 x 4.0 t Block 6.6 t		Bogie 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.		Radius – ft./m Capacity – lbs./mt 2-Part Line max. 22,000 lbs max. 10.0 t 0'-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"																
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"			199'-6"		218'-6"		244'-1"
<u>L</u>	m	10.0 t	21.6			26.0	30.0	32.0		37.6	40.0		52.0	55.0	58.0	60.8	64.0	66.6	70.0	74.4
L6	244'-1"	9'-10" - 88'-7"	22000	22000	22000	22000							10400	9800	9000			7700	7100	
_	74.4	3.0 - 27.0 m	10.0										4.7	4.4	4.1	3.9			3.2	3.0
L5		9'-10" - 105'-0"																		
	66.6	3.0 - 32.0 m	10.0								8.2	6.6		5.8			4.8	4.6		
L4		9'-10" - 123'-4"																		
_	60.8	3.0 - 37.6 m	10.0										7.1	6.6	6.2	5.9				
L3		9'-10" - 131'-3"																		
	55.0	3.0 - 40.0 m	10.0										7.6	7.1						
12	49.2	9'-10" - 137'-9" 3.0 - 42.0 m	10.0																	
1.4		9'-10" - 123'-4"										0.4					_			
ľ'	37.6	3.0 - 37.6 m		10.0		10.0														
\vdash			10.0	10.0	10.0	10.0						00 11-							(0 0	,
l	ft	44,000 lbs					4-Pa	rt Line	• 🕠	max			5			Rad	ius -	2'-7''	(- 0.8	m)
┕	m	20.0 t							3		. 20.0									
L6		12'-6" - 45'-7"																		
<u> </u>	73.6	3.8 - 13.9 m	11.6					7.4										2.7	2.6	2.2
L5		12'-6" - 57'-5"									16500 7.5		11900 5.4	11000 5.0	4.6			8400 3.8		
<u>.</u>	65.8	3.8 - 17.5 m 12'-6" - 65'-0"	15.6									5.8					4.0	3.0		
L4	60.0	3.8 - 19.8 m	18.2								8.8		6.3	5.8	5.4	5.1				
1 2		12'-6" - 68'-7"													3.4	5.1				
Ľ	54.2	3.8 - 20.9 m	19.3								9.4	7.4	6.8							
12		12'-6" - 70'-10"											- 0.0	J. 1						
	48.4	3.8 - 21.6 m	20.0					12.7	11.0											
L1		12'-6" - 73'-10"																		
l .	36.8	3.8 - 22.5 m					14.4		11.6											

Speeds

opoodo											
FU 8-200/4		1 x 10.2 HP 1 x 7.5 kW									
SR 10-190/3		2 x 16.3 HP 2 x 12.0 kW									
K WB 150/4		v = 0	→	1.0 rpm (mi	2 x 12.24 HP 2 x 9 kW 3 x 12.24 HP 3 x 9 kW						
2-Part Line	480 V / 60 Hz / 3	3 ph									
		À	2-Part Line	◆ 444 fpm 134 m/min	5 500 lbs 2 500 kg	4-Part Line	→ 222 f 67 m/		11 000 lbs 5 000 kg	Total motor output	~155
Type SR WB 66-	소 11	***	3	276 fpm 84 m/min	9 300 lbs 4 200 kg		→ 138 f 42 m/	. ,	18 600 lbs 8 400 kg	without	HP ∼114
100/4F	└] ▼ I		► 180 fpm 54 m/min	15 700 lbs 7 100 kg		→ 90 f 27 m/	• .	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 f 17 m/	• 1	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 f 67 m/	• 1	15 400 lbs 7 000 kg	Total motor output	~213
Type SR WB 102-	스 1	*	5	276 fpm 84 m/min	13 200 lbs 6 000 kg		→ 138 f 42 m/		26 400 lbs 12 000 kg	without	HP ∼157
125/4F	\	~		► 180 fpm 54 m/min	22 000 lbs		→ 90 f 27 m/		44 000 lbs	SR 10-190/3	kW
[167 HP] [122 kW]				→ 108 fpm 34 m/min	10 000 kg		• 1	20 000 kg	Connected power	240 kVA	

Counterweight

Jib		L1	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	[ibs]	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



PEINER SK 405 Dimensions and transport weights

See operating manual for mounting weights

	Designation			Dime	nsions (1	ft / m)	Weight	Volume
				ı	b	h	lbs / t	ft ³ / m ³
	Jib Section I			38.72 11.80	6.14 1.87	7.12 2.17	7 030 3.19	1 693 47.9
	Section II			38.72	6.04	5.97	6 660	1 396
	Section III			11.80 38.72	1.84 6.04	1.82 5.97	3.02 3 660	39.4 1 396
			✓ ✓ ✓ ✓ ✓	11.80	1.84	1.82	1.66	39.4
1	Section IV			38.72 11.80	6.04 1.84	5.97 1.82	4 410 2.00	1 396 39.4
	Section V			19.69 6.00	6.04 1.84	5.97 1.82	1 980 0.90	710 20.0
	Section VI			19.69	6.04	6.00	1 430	716
	Section VII			6.00 19.69	1.84 6.04	1.83 6.00	0.65 1 230	20.1 716
				6.00	1.84	1.83	0.56	20.1
	Section VIII			26.08 7.95	6.04 1.84	6.00 1.83	1 390 0.63	945 26.7
	Jib tip X			10.17 3.10	5.97 1.82	6.40 1.95	990 0.45	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
	Cabin			5.41	3.61	7.15	1 040	139
			│ <u></u>	1.65	1.10	2.18	0.47	3.9
4	Support, railing, electrical panel			8.46 2.58	6.56 2.00	7.87 2.40	2 050 0.93	436 12.4
	Counter jib with hoist winch +			38.06	9.02	5.57	15 810 7.17	1912
	electrical panel	G2	l b	11.60	2.75	1.70	23130 *	52.3
5	5 G1 Hoist winch 66 WB		<u> </u>	31.86 9.71	6.50 1.98	2.33 0.71	10.49 * 4 740 2.15	482 13.6
				7.51 2.29	5.45 1.66	3.28 1.00	5 400 2.45	134 8.4
	Tiolst Willon	102 WB*		11.48	7.41	3.94	12720 *	335
			#==# [1]	3.50	2.26 0.63	1.20 14.76	5.77 *	9.5 47
6	Counter jib ballast	BG		5.08 1.55	0.63	4.50	6 800 3.10	1.3
ľ	Counter Jib banast	_ BG		3.94 1.20	0.46 0.14	9.00 2.74	3 200 1.45	16 0.5
			<u> </u>	1.20	0.14	2.14	1.45	0.5
		TO 040 4		19.52	7.78	8.01	9 130	1 216
		TS 212.1		5.95	2.37	2.45	4.14	34.4
		T01/5/5						
7	Tower section	TSV 212 with		31.17 9.50	9.84 3.00	10.00 3.05	20 330 9.22	3 067 86.9
		struts	<u> </u>	3.50	3.00	3.03	3.22	00.9
		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			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		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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