



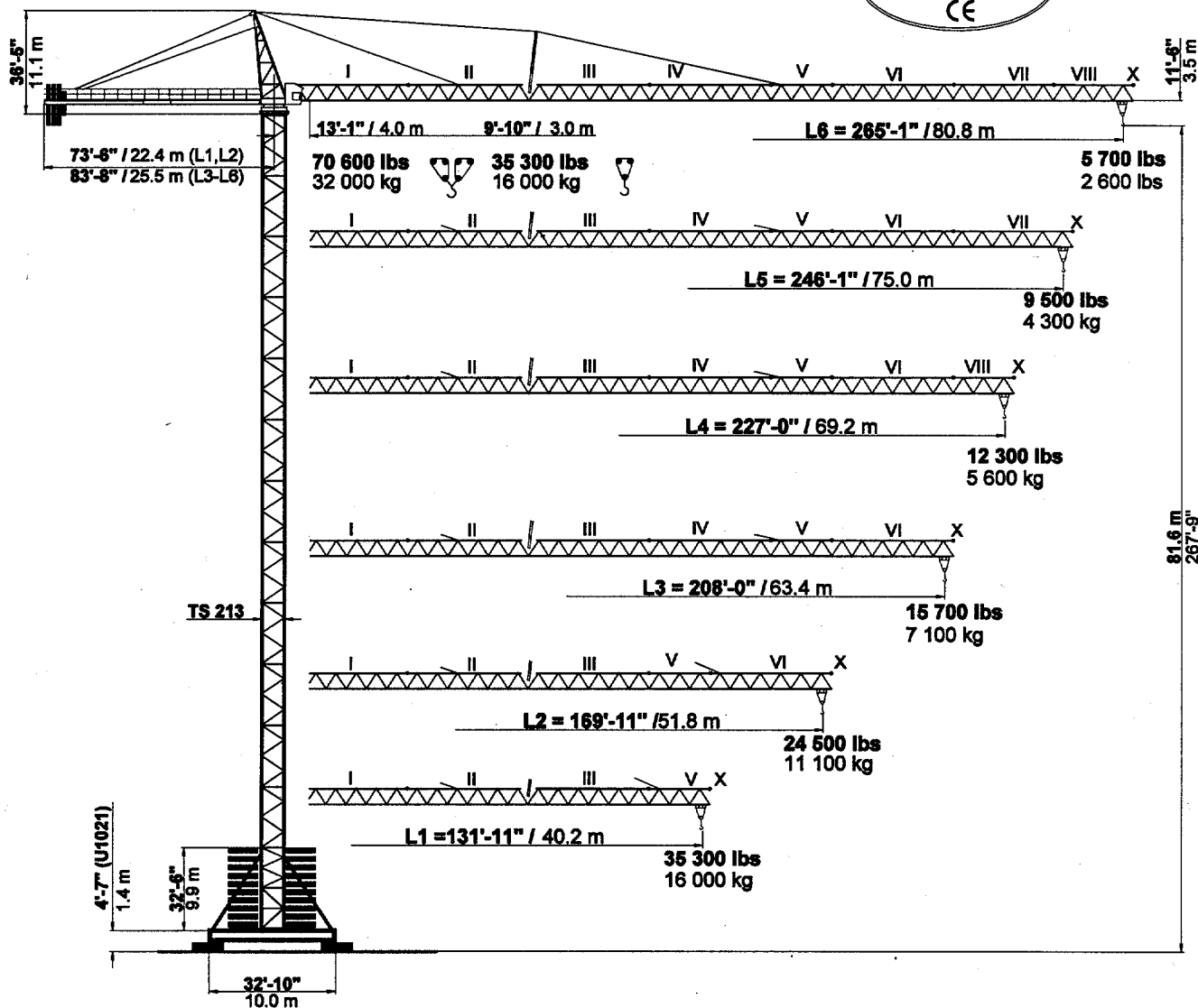
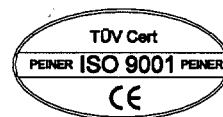
FEM 1001/3

A3

USA

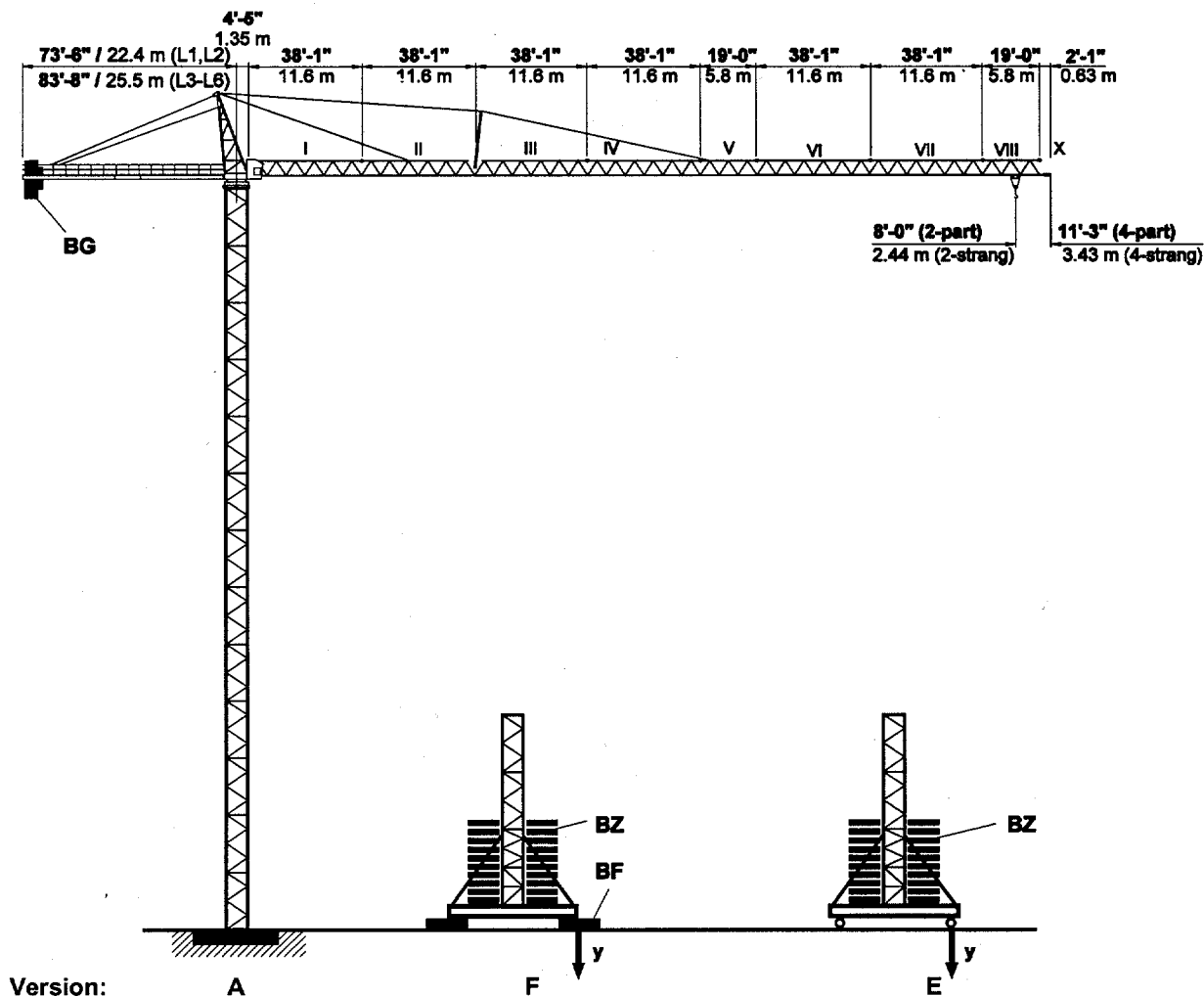
Lifting capacity **35 300/70 600 lbs**
Max. Tragfähigkeit **16.0 / 32.0 t**

PEINER SK 565





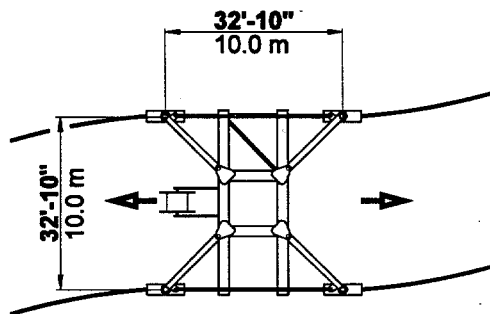
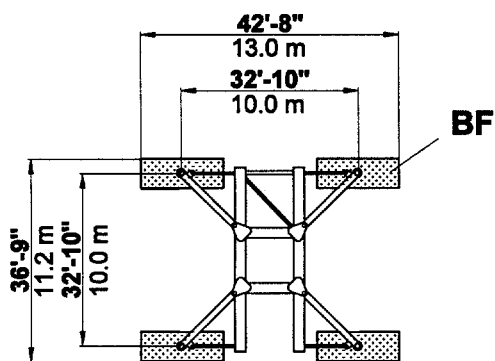
SK 565 Combinations of tower section, hook heights, forces acting per corner, base ballast Turmkombinationen, Hakenhöhen, Eckkräfte, Zentralballast



Version:

Version F - U 1021

Version E - UF 1021



Ground support
Bodenauflagen

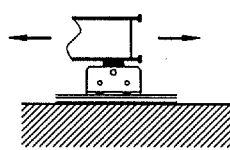
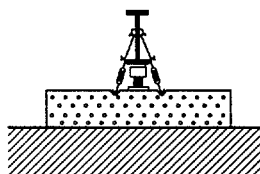
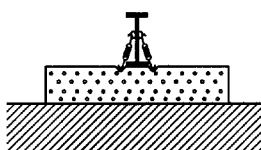
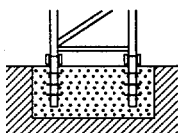
Version:

A

F

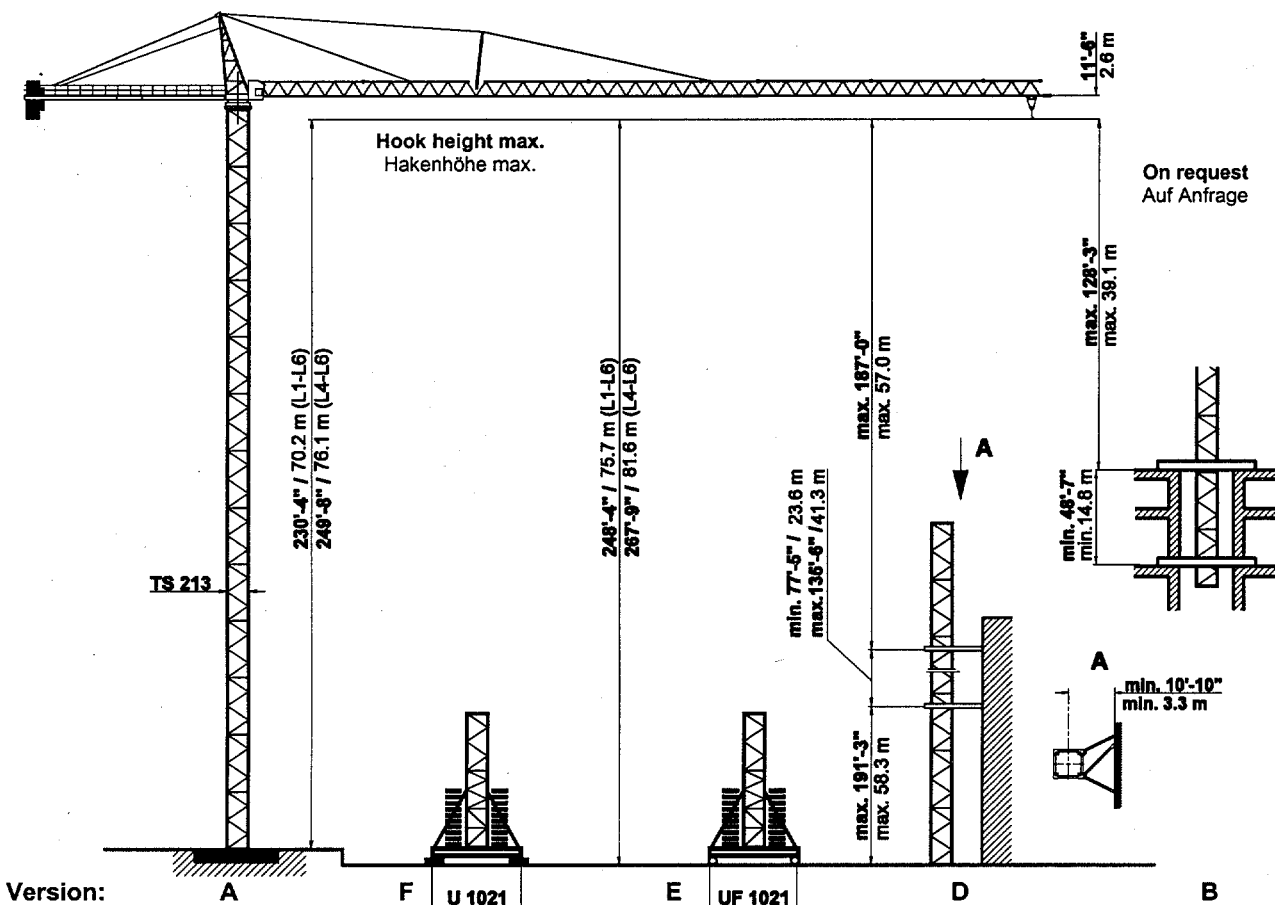
F / SP

E





SK 565 Tower / Turm TS 213



TS 213	Version A					Version F						Version E					
Tower Turm TS 213.1	HH ft m	Tower Turm TSV 213 TS 213.1	HH ft m	BZ + BF L1-L3 lbs t		y (L1-L3) i.B. kips kN		y (L4-L6) i.B. kips kN		BZ L1-L3 lbs t		y (L1-L3) i.B. kips kN		y (L4-L6) i.B. kips kN			
13 x TS 213.1	249'-8" 76.1*	1 x TSV 213 12 x TS 213.1	267'-9" 81.6*							-	203 700 92.4	-	-	280 1244	302 1345		
12 x TS 213.1	230'-4" 70.2	1 x TSV 213 11 x TS 213.1	248'-4" 75.7							203 700 92.4	203 700 92.4	270 1203	255 1136	272 1209	307 1364		
11 x TS 213.1	210'-11" 64.3	1 x TSV 213 10 x TS 213.1	229'-0" 69.8							203 700 92.4	145 500 66.0	263 1168	252 1123	254 1130	264 1176		
10 x TS 213.1	191'-7" 58.4	1 x TSV 213 9 x TS 213.1	209'-8" 63.9							145 500 66.0	116 400 52.8	246 1092	223 991	236 1052	234 1042		
9 x TS 213.1	172'-3" 52.5	1 x TSV 213 8 x TS 213.1	190'-3" 58.0							116 400 52.8	87 300 39.6	229 1018	194 864	219 976	205 914		
8 x TS 213.1	152'-11" 46.6	1 x TSV 213 7 x TS 213.1	170'-11" 52.1							87 300 39.6	87 300 39.6	215 956	172 767	210 933	185 824		
7 x TS 213.1	133'-6" 40.7	1 x TSV 213 6 x TS 213.1	151'-7" 46.2							87 300 39.6	87 300 39.6	207 919	162 722	201 892	166 740		
6 x TS 213.1	114'-2" 34.8	1 x TSV 213 5 x TS 213.1	132'-3" 40.3							87 300 39.6	87 300 39.6	200 888	160 711	192 852	150 669		
5 x TS 213.1	94'-10" 28.9	1 x TSV 213 4 x TS 213.1	112'-10" 34.4							87 300 39.6	87 300 39.6	193 860	157 699	183 813	143 637		
4 x TS 213.1	75'-6" 23.0	1 x TSV 213 3 x TS 213.1	93'-6" 28.5							87 300 39.6	87 300 39.6	187 832	155 688	174 775	143 636		
3 x TS 213.1	56'-1" 17.1	1 x TSV 213 2 x TS 213.1	74'-2" 22.6							87 300 39.6	87 300 39.6	181 806	152 677	168 747	138 615		
2 x TS 213.1	36'-9" 11.2	1 x TSV 213 1 x TS 213.1	54'-9" 16.7							87 300 39.6	87 300 39.6	169 751	144 640	156 963	130 578		
1 x TS 213.1	17'-5" 5.3	1 x TSV 213	35'-5" 10.8							87 300 39.6	87 300 39.6	164 729	141 629	151 670	127 567		
Foundation Fundament 27'-11" x 27'-11" x 5'-7" 8.5 x 8.5 x 1.7 m				Stationary base Unterwagen U 1021						Railgoing base Unterwagen, kurvenfahbar UF 1021							
Fundamentfüße Fixing angles 4 x FF 213				BF 4 x 13 220 lbs 4 x 6.0 t		BZ Block 14 550 lbs Block 6.6 t		Bogie / Fahrschemel Curve / Kurve 2 x F 400									

* Lower climbing section after erection. / Klettereinrichtung nach Montage ablassen.

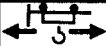
TS 213.1 = 19'4 1/4" / 5.9 m

TSV 213 = 32'-5 3/4" / 9.9 m

**SK 565 Radius and capacity / Ausladung und Tragfähigkeit**

Jib Ausleger	Max. capacity max. Tragfähigkeit	Radius (ft) and capacity (lbs) Ausladung (m) und Tragfähigkeit (t)																		
		 max. 35 300 lbs max. 16.0 t																		
ft m	35 300 lbs 16.0 t	70'-3"	78'-9"	85'-4"	91'-10"	105'-0"	111'-7"	118'-1"	131'-11"	144'-4"	157'-6"	169'-11"	190'-3"	208'-0"	216'-6"	227'-0"	236'-3"	246'-1"	255'-11"	265'-1"
		21.4	24.0	26.0	28.0	32.0	34.0	36.0	40.2	44.0	48.0	51.8	58.0	63.4	66.0	69.2	72.0	75.0	78.0	80.8
L6 265'-1"	9'-10" - 65'-0"	3200	2780	2540	2320	1990	1830	1720	1500	1350	1190	1080	930	820	770	730	680	640	620	570
80.8	3.0 - 19.8 m	14.5	12.6	11.5	10.5	9.0	8.3	7.8	6.8	6.1	5.4	4.9	4.2	3.7	3.5	3.3	3.1	2.9	2.8	2.6
L5 246'-1"	9'-10" - 84'-0"	3530	3530	3460	3180	2710	2540	2360	2090	1850	1680	1520	1320	1190	1120	1060	990	950		
75.0	3.0 - 25.6 m	16.0	16.0	15.6	14.4	12.3	11.5	10.7	9.5	8.4	7.6	6.9	6.0	5.4	5.1	4.8	4.5	4.3		
L4 227'-0"	9'-10" - 94'-6"	3530	3530	3530	3530	3110	2910	2710	2380	2140	1940	1770	1540	1370	1320	1230				
69.2	3.0 - 28.8 m	16.0	16.0	16.0	16.0	14.1	13.2	12.3	10.8	9.7	8.8	8.0	7.0	6.2	6.0	5.6				
L3 208'-0"	9'-10" - 104'-4"	3530	3530	3530	3530	3480	3260	3040	2690	2430	2190	2010	1750	1570						
63.4	3.0 - 31.8 m	16.0	16.0	16.0	16.0	15.8	14.8	13.8	12.2	11.0	9.9	9.1	7.9	7.1						
L2 169'-11"	9'-10" - 124'-0"	3530	3530	3530	3530	3530	3530	3530	3260	2950	2670	2450								
51.8	3.0 - 37.8 m	16.0	16.0	16.0	16.0	16.0	16.0	16.0	14.8	13.4	12.1	11.1								
L1 131'-11"	9'-10" - 131'-11"	3530	3530	3530	3530	3530	3530	3530	3530											
40.2	3.0 - 40.2 m	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0											
ft m	70 600 lbs 32.0 t	 max. 70 600 lbs max. 32.0 t																		
		Radius / Ausladung -3'-3" (- 1.0 m)																		
L6 261'-10"	13'-1" - 34'-5"	2890	2470	2230	2010	1680	1520	1410	1190	1040	880	770	620	510	460	420	370	330	310	260
79.8	4.0 - 10.5 m	13.1	11.2	10.1	9.1	7.6	6.9	6.4	5.4	4.7	4.0	3.5	2.8	2.3	2.1	1.9	1.7	1.5	1.4	1.2
L5 242'-9"	13'-1" - 44'-0"	4010	3220	3130	2870	2400	2230	2050	1760	1540	1370	1210	3220	860	820	750	680	640		
74.0	4.0 - 13.4 m	18.2	14.6	14.2	13.0	10.9	10.1	9.3	8.0	7.0	6.2	5.5	4.6	3.9	3.7	3.4	3.1	2.9		
L4 223'-9"	13'-1" - 48'-11"	4590	4010	3640	3220	2800	2600	2400	2070	1830	1630	1460	1230	1060	1010	930				
68.2	4.0 - 14.9 m	20.8	18.2	16.5	14.6	12.7	11.8	10.9	9.4	8.3	7.4	6.6	5.6	4.8	4.6	4.2				
L3 204'-9"	13'-1" - 53'-10"	5450	4500	4080	3730	3170	3170	2730	2380	2120	1870	1700	1430	1260						
62.4	4.0 - 16.4 m	24.7	20.4	18.5	16.9	14.4	14.4	12.4	10.8	9.6	8.5	7.7	6.5	5.7						
L2 166'-8"	13'-1" - 53'-0"	6280	5490	5000	5890	3900	3620	3220	2950	2650	2360	2120								
50.8	4.0 - 19.2 m	28.5	24.9	22.7	20.8	17.7	16.4	14.6	13.4	12.0	10.7	9.6								
L1 128'-7"	13'-1" - 70'-3"	7060	6170	5620	5140	4390	4080	3810	3400											
39.2	4.0 - 21.4 m	32.0	28.0	25.5	23.3	19.9	18.5	17.3	15.4											

Speeds / Geschwindigkeiten

FU 11-400/4		v = 0 → ~260 fpm (80 m / min.)		14.96 HP 11.0 kW					
SR 10-190/4		v = 0 → 115 fpm (36 m / min.)		4 x 12.24 HP 4 x 9.0 kW					
SR WB 150/4		v = 0 → 1.0 rpm (min ⁻¹)		L1, L2 L3, L4, L5, L6	2 x 12.24 HP 2 x 9.0 kW 3 x 12.24 HP 3 x 9.0 kW				
 HK max. = 722' (220 m) 5 - layers / 5 -Lagen					480 V / 60 Hz / 3 ph				
Type SR WB 102-160/4F 166.5 HP 122.4 kW				→ 492 fpm 150 m/min	7 700 lbs 3 500 kg		→ 246 fpm 75 m/min	15 400 lbs 7 000 kg	Total motor output Motorenleistung ges. ~140 HP without / ohne SR 10-190/4 ~105 kW
				→ 312 fpm 96 m/min	13 200 lbs 6 000 kg		→ 156 fpm 48 m/min	26 400 lbs 12 000 kg	
				→ 192 fpm 60 m/min	22 000 lbs 10 000 kg		→ 96 fpm 30 m/min	44 000 lbs 20 000 kg	
				→ 126 fpm 38 m/min	35 300 lbs 16 000 kg		→ 63 fpm 19 m/min	70 600 lbs 32 000 kg	Connected power 240 kVA Anschlußleistung

Counterweight / Gegengewicht

Jib / Ausleger		L 1	L 2	L 3*	L 4*	L 5*	L 6*
Counterweight Gegengewicht	BG	23 150 kg 50 800 lbs	24 800 kg 54 400 lbs	24 600 kg 54 000 lbs	24 800 kg 54 400 lbs	26 250 kg 57 600 lbs	26 250 kg 57 600 lbs
	[lbs]	7 x 6 800 1 x 3 200	8 x 6 800	7 x 6 800 2 x 3 200	8 x 6 800	8 x 6 800 1 x 3 200	8 x 6 800 1 x 3 200
	[t]	7 x 3.10 1 x 1.45	8 x 3.10	7 x 3.10 2 x 1.45	8 x 3.10	8 x 3.10 1 x 1.45	8 x 3.10 1 x 1.45

* with counter jib section 2 / mit Gegenausleger 2

**SK 565 Transportmaße und Transportgewichte**

Dimensions and weights of transport

Mounting weights see operating manual!
Montagegewichte siehe Betriebsanleitung!

	Designation Benennung		Dimensions (ft / m) Abmessungen (ft / m)			Weight Gewicht lbs / t	Volume Volume ft³ / m³
			l	b	h		
1	Jib / Ausleger						
	Section / Schuss	I	38.72	6.07	6.24	10 360	1 467
			11.80	1.85	1.90	4.70	41.5
	Section / Schuss	II	38.72	6.07	6.24	8 200	1 467
			11.80	1.85	1.90	3.72	41.5
	Section / Schuss	III	38.72	6.07	6.07	5 000	1 427
			11.80	1.85	1.85	2.27	40.4
	Section / Schuss	IV	38.72	6.07	6.07	4 650	1 427
			11.80	1.85	1.85	2.11	40.4
	Section / Schuss	V	19.69	6.07	6.07	2 530	726
			6.00	1.85	1.85	1.15	20.5
2	Tower top compl. Turmspitze kpl.						
			29.86	7.22	8.86	8 270	1 910
			9.10	2.20	2.70	3.75	54.0
3	Turntable with slewing ring support and motors Drehbühne mit Drehkranzauflage u. Motoren						
			10.50	8.20	8.86	26 890	763
4	Cabin / Kabine						
			5.41	3.61	7.15	1 040	139
5	Support, railing, electrical panel Podest, Geländer, Schaltschrank						
			11.65	6.56	6.40	3 220	489
5	Counter jib with hoist winch Gegenausleger mit Hubwinde	G1	38.55	8.20	5.84	19 400	1 846
			11.75	2.50	1.78	8.80	52.3
		G2	10.34	6.63	5.25	2 160	360
			3.15	2.02	1.60	0.98	10.2
		G3	30.74	6.63	5.25	6 280	1 070
			9.37	2.02	1.60	2.85	30.3
	Hoist winch Hubwinde	102 WB	11.48	7.41	3.94	12 720	335
			3.50	2.26	1.20	5.77	9.5
6	Counterweight Gegengewicht	BG	5.08	0.19	14.76	6 800	47
			1.55	0.63	4.50	3.10	1.3
			5.08	0.14	8.99	3 200	21
			1.55	0.46	2.74	1.45	0.6
7	Tower section Turmschuss	TS 213.1	19.52	7.84	7.81	9 790	1 195
			5.95	2.39	2.81	4.44	33.8
	with struts mit Streben	TSV 213	39.37	10.34	10.34	31 090	4 209
			12.00	3.15	3.15	14.10	119.0
8	Movable undercarriage, folded Unterwagen, kurvenföhrbar, geklappt	UF 1021	43.96	9.51	3.77	1 576	85.2
			13.40	2.90	1.55	37 700	85.2
			8.20	2.69	2.82	17.10	64
			2.50	0.89	0.89	1.8	1.8
9	Central ballast block Zentralballaststein	BZ	14.77	6.73	1.31	14 550	130
			4.50	2.05	0.40	6.60	3.7
10	Foundation pad Fundamentblock	BF	9.84	3.94	2.46	13 230	95
			3.00	1.20	0.75	6.00	2.7
11	Accessories Diverse Montageteile						