

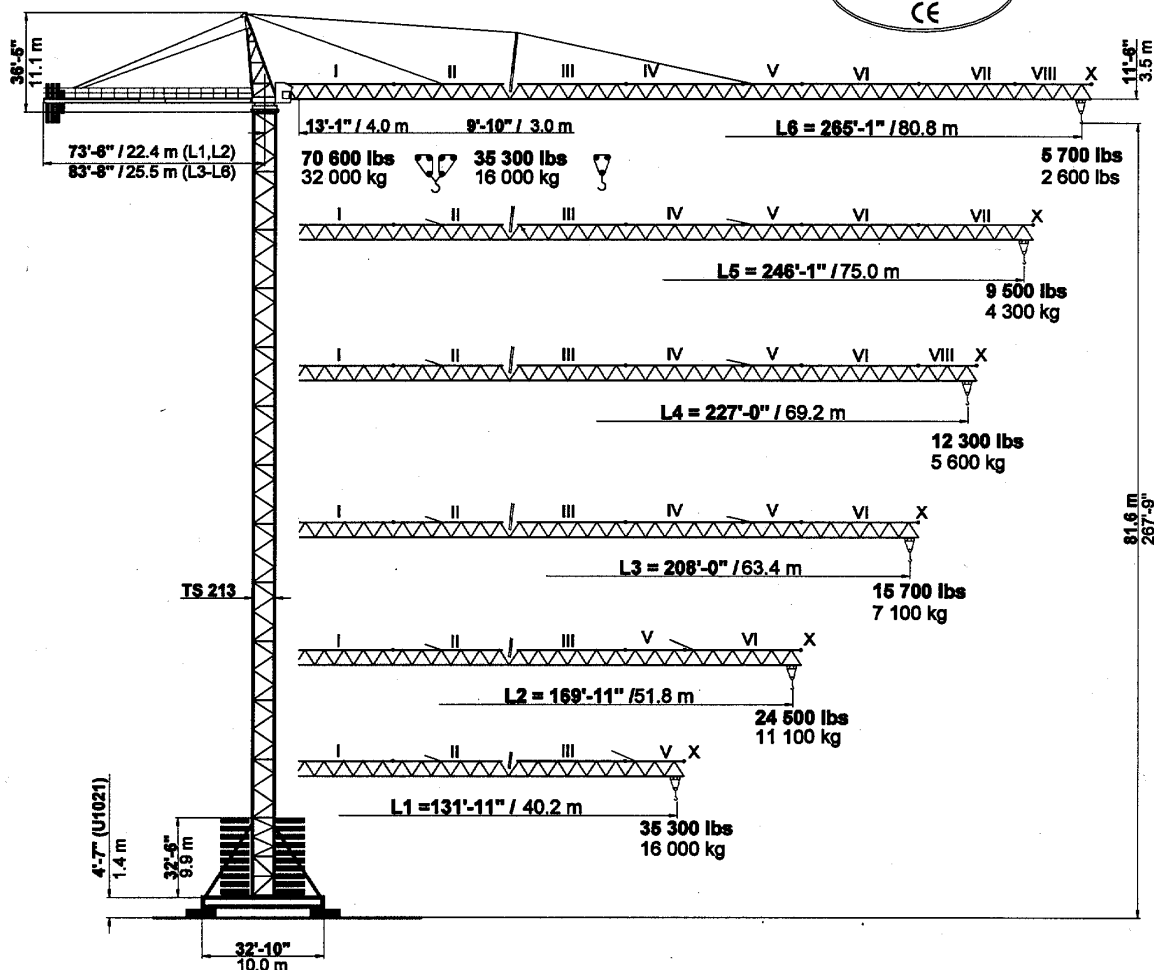
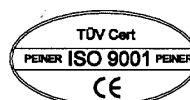
PEINER SK 565

FEM 1001/3

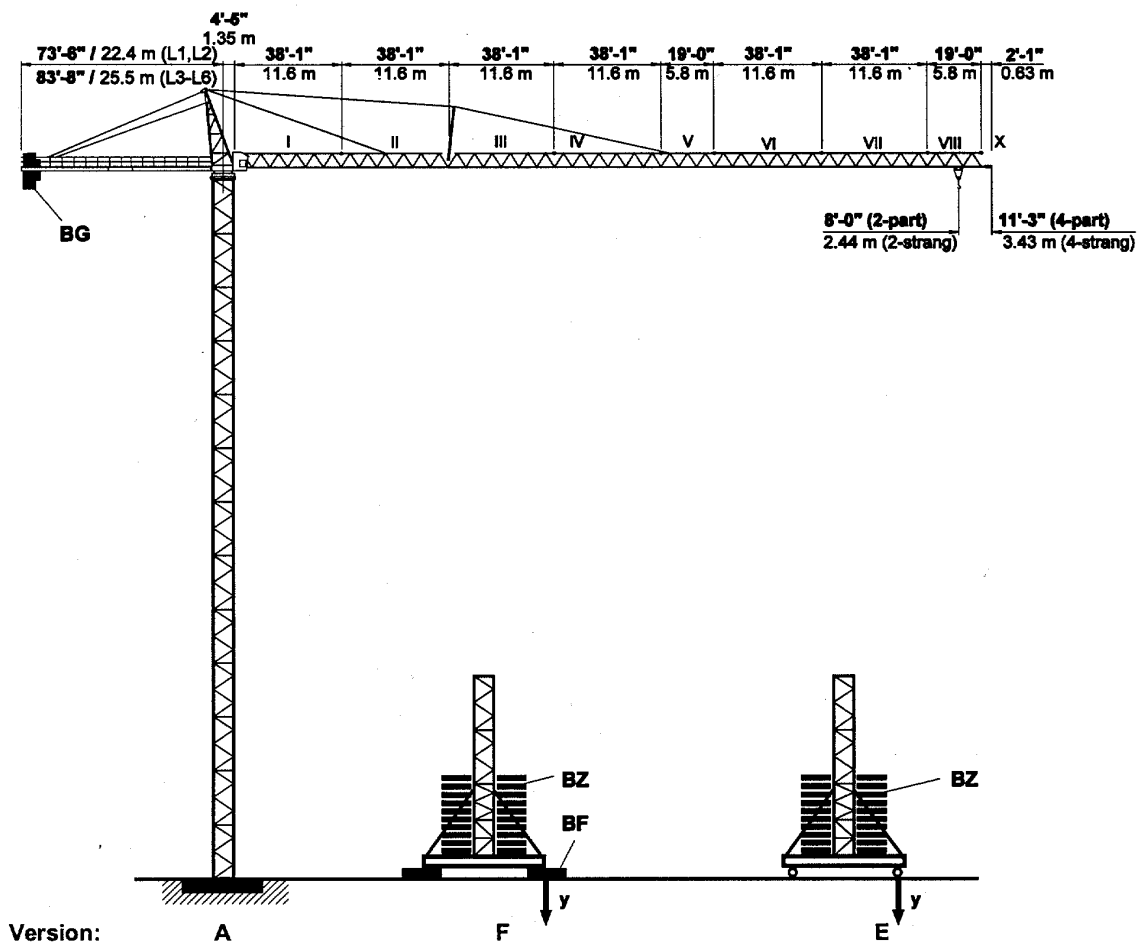
A3

USA

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



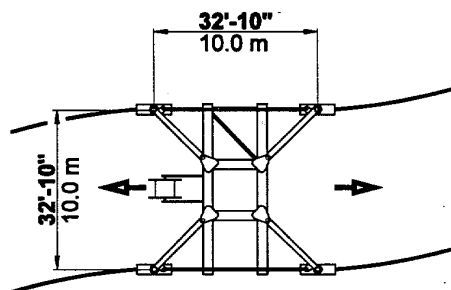
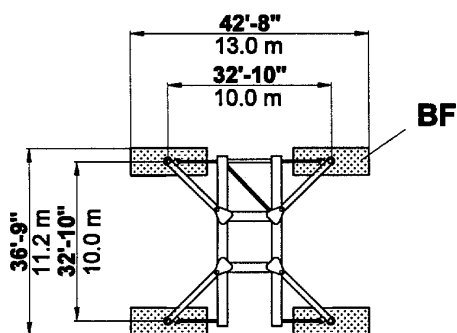
SK 565 Combinations of tower section, hook heights, forces acting per corner, base ballast Turmkombinationen, Hakenhöhen, Eckkräfte, Zentralballast



Version:

Version F - U 1021

Version E - UF 1021



Ground support
Bodenauflagen

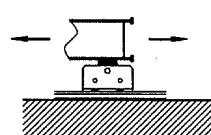
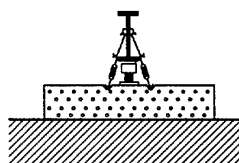
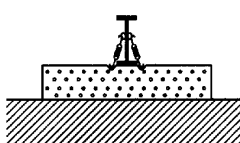
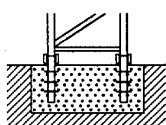
Version:

A

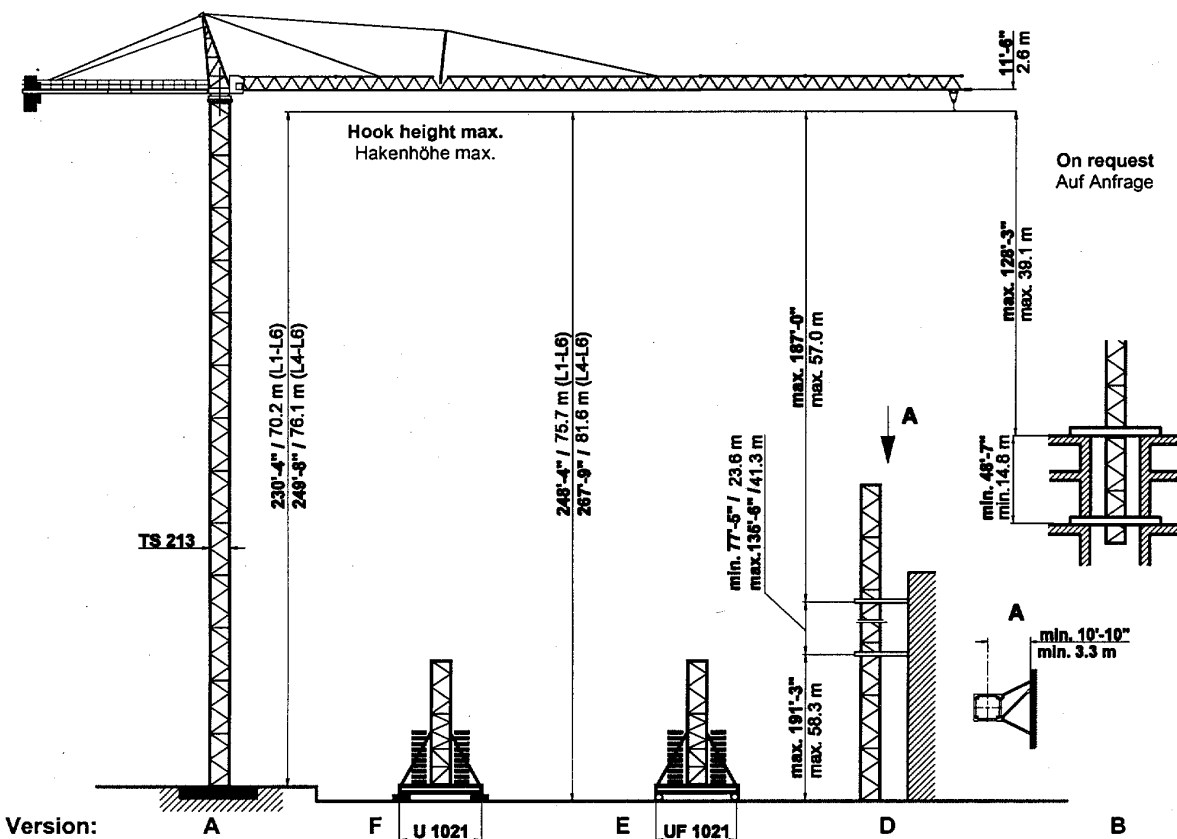
F

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	L4-L6 lbs t	y (L1-L3) i.B. kips kN	a.B. kips kN	y (L4-L6) i.B. kips kN	a.B. kips kN	BZ L1-L3 lbs t	L4-L6 lbs t	y (L1-L3) i.B. kips kN	a.B. kips kN	y (L4-L6) i.B. kips kN	a.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, kurvenfahrbar 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.

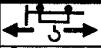
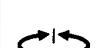
TS 213.1 = 19'-4 1/4" / 5.9 m

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" 21.4	78'-9" 24.0	85'-4" 26.0	91'-10" 28.0	105'-0" 32.0	111'-7" 34.0	118'-1" 36.0	131'-11" 40.2	144'-4" 44.0	157'-6" 48.0	169'-11" 51.8	190'-3" 58.0	208'-0" 63.4	216'-6" 66.0	227'-0" 69.2	236'-3" 72.0	246'-1" 75.0	255'-11" 78.0	265'-1" 80.8	
L6 265'-1" 80.8	9'-10" - 65'-0" 3.0 - 19.8 m	32000 14.5	27800 12.6	25400 11.5	23200 10.5	19900 9.0	18300 8.3	17200 7.8	15000 6.8	13500 6.1	11900 5.4	10800 4.9	9300 4.2	8200 3.7	7700 3.5	7300 3.3	6800 3.1	6400 2.9	6200 2.8	5700 2.6	
L5 246'-1" 75.0	9'-10" - 84'-0" 3.0 - 25.6 m	35300 16.0	35300 16.0	34600 15.6	31800 14.4	27100 12.3	25400 11.5	23600 10.7	20900 9.5	18500 8.4	16800 7.6	15200 6.9	13200 6.0	11900 5.4	11200 5.1	10600 4.8	9900 4.5	9500 4.3			
L4 227'-0" 69.2	9'-10" - 94'-6" 3.0 - 28.8 m	35300 16.0	35300 16.0	35300 16.0	35300 16.0	31100 14.1	29100 13.2	27100 12.3	23800 10.8	21400 9.7	19400 8.8	17700 8.0	15400 7.0	13700 6.2	13200 6.0	12300 5.6					
L3 208'-0" 63.4	9'-10" - 104'-4" 3.0 - 31.8 m	35300 16.0	35300 16.0	35300 16.0	35300 16.0	34800 15.8	32600 14.8	30400 13.8	26900 12.2	24300 11.0	21900 9.9	20100 9.1	17500 7.9	15700 7.1							
L2 169'-11" 51.8	9'-10" - 124'-0" 3.0 - 37.8 m	35300 16.0	35300 16.0	35300 16.0	35300 16.0	35300 16.0	35300 16.0	35300 16.0	32600 14.8	29500 13.4	26700 12.1	24500 11.1									
L1 131'-11" 40.2	9'-10" - 131'-11" 3.0 - 40.2 m	35300 16.0	35300 16.0	35300 16.0	35300 16.0	35300 16.0	35300 16.0	35300 16.0	35300 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" 79.8	13'-1" - 34'-5" 4.0 - 10.5 m	28900 13.1	24700 11.2	22300 10.1	20100 9.1	16800 7.6	15200 6.9	14100 6.4	11900 5.4	10400 4.7	8800 4.0	7700 3.5	6200 2.8	5100 2.3	4600 2.1	4200 1.9	3700 1.7	3300 1.5	3100 1.4	2600 1.2	
L5 242'-9" 74.0	13'-1" - 44'-0" 4.0 - 13.4 m	40100 18.2	32200 14.6	31300 14.2	28700 13.0	24000 10.9	22300 10.1	20500 9.3	17600 8.0	15400 7.0	13700 6.2	12100 5.5	8600 4.6	8200 4.3	7500 3.7	6800 3.4	6400 3.1	6000 2.9			
L4 223'-9" 68.2	13'-1" - 48'-11" 4.0 - 14.9 m	45900 20.8	40100 18.2	36400 16.5	32200 14.6	28000 12.7	26000 11.8	24000 10.9	20700 9.4	18300 8.3	16300 7.4	14600 6.6	12300 5.6	10600 4.8	10100 4.6	9300 4.2					
L3 204'-9" 62.4	13'-1" - 53'-10" 4.0 - 16.4 m	54500 24.7	45000 20.4	40800 18.5	37300 16.9	31700 14.4	31700 14.4	27300 12.4	23800 10.8	21200 9.6	18700 8.5	17000 7.7	14300 6.5	12600 5.7							
L2 166'-8" 50.8	13'-1" - 53'-0" 4.0 - 19.2 m	62800 28.5	54900 24.9	50000 22.7	58900 20.8	39000 17.7	36200 16.4	32200 14.6	29500 13.4	26500 12.0	23600 10.7	21200 9.6									
L1 128'-7" 39.2	13'-1" - 70'-3" 4.0 - 21.4 m	70600 32.0	61700 28.0	56200 25.5	51400 23.3	43900 19.9	40800 18.5	38100 17.3	34000 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 Anschlußleistung 240 kVA

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		38.72	6.07	6.24	10 360	1 467
	Section / Schuss	I	11.80	1.85	1.90	4.70	41.5
	Section / Schuss	II	38.72	6.07	6.24	8 200	1 467
	Section / Schuss	III	11.80	1.85	1.90	3.72	41.5
	Section / Schuss	IV	38.72	6.07	6.07	5 000	1 427
	Section / Schuss	V	11.80	1.85	1.85	2.27	40.4
	Section / Schuss	VI	38.72	6.07	6.07	4 650	1 427
	Section / Schuss	VII	11.80	1.85	1.85	2.11	40.4
	Section / Schuss	VIII	19.69	6.07	6.07	2 530	726
	Section / Schuss	IX	6.00	1.85	1.85	1.15	20.5
	Section / Schuss	X	38.72	6.07	5.91	3 860	1 389
2	Jib tip / Seilstation		11.80	1.85	1.80	1.75	39.3
			11.80	1.85	1.80	1.15	39.3
			19.69	6.07	5.91	1 210	706
			6.00	1.85	1.80	0.55	19.9
			4.92	6.76	1.67	490	56
			1.50	2.06	0.51	0.22	1.6
3	Tower top compl. Turmspitze kpl.		29.86 9.10	7.22 2.20	8.86 2.70	8 270 3.75	1 910 54.0
4	Turntable with slewing ring support and motors Drehbühne mit Drehkranzauflage u. Motoren		10.50 3.20	8.20 2.50	8.86 2.70	26 890 12.20	763 21.6
5	Cabin / Kabine		5.41 1.65	3.61 1.10	7.15 2.18	1 040 0.47	139 3.9
	Support, railing, electrical panel Podest, Geländer, Schaltschrank		11.65 3.55	6.56 2.00	6.40 1.95	3 220 1.46	489 13.8
6	Counter jib with hoist winch Gegenausleger mit Hubwinde	G1	38.55 11.75	8.20 2.50	5.84 1.78	19 400 8.80	1 846 52.3
		G2	10.34 3.15	6.63 2.02	5.25 1.60	2 160 0.98	360 10.2
		G3	30.74 9.37	6.63 2.02	5.25 1.60	6 280 2.85	1 070 30.3
	Hoist winch Hubwinde	102 WB	11.48 3.50	7.41 2.26	3.94 1.20	12 720 5.77	335 9.5
7	Counterweight Gegengewicht	BG	5.08 1.55	0.19 0.63	14.76 4.50	6 800 3.10	47 1.3
			5.08 1.55	0.14 0.46	8.99 2.74	3 200 1.45	21 0.6
8	Tower section Turmschuss	TS 213.1	19.52 5.95	7.84 2.39	7.81 2.81	9 790 4.44	1 195 33.8
	with struts mit Streben	TSV 213	39.37 12.00	10.34 3.15	10.34 3.15	31 090 14.10	4 209 119.0
9	Movable undercarriage, folded Unterwagen, kurvenfahrb., geklappt	UF 1021	43.96 13.40	9.51 2.90	3.77 1.55		1 576 85.2
			8.20 2.50	2.69 0.89	2.82 0.89	37 700 17.10	64 1.8
10	Central ballast block Zentralballaststein	BZ	14.77 4.50	6.73 2.05	1.31 0.40	14 550 6.60	130 3.7
11	Foundation pad Fundamentblock	BF	9.84 3.00	3.94 1.20	2.46 0.75	13 230 6.00	95 2.7
12	Accessories Diverse Montageteile						