

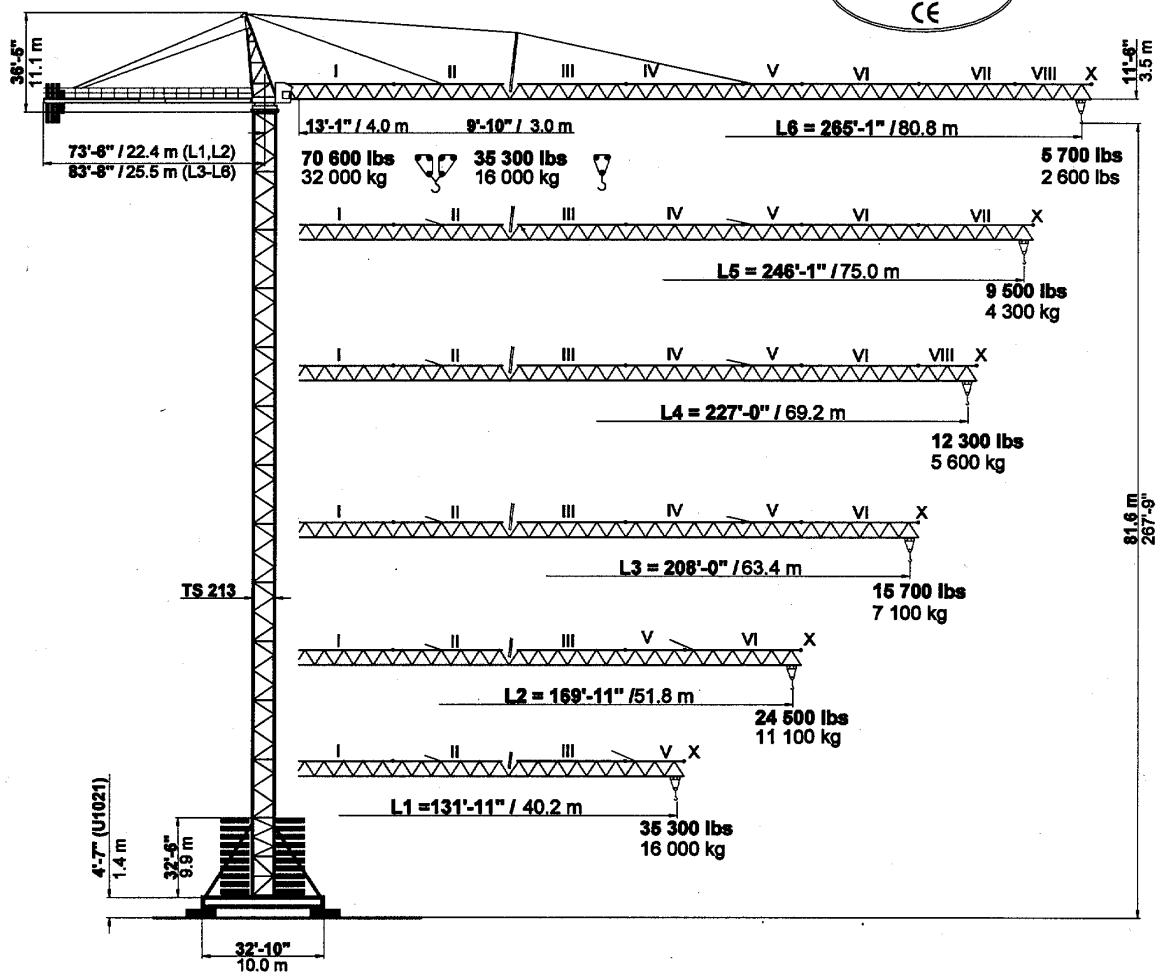
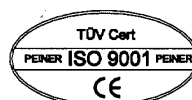
PEINER SK 565

FEM 1001/3

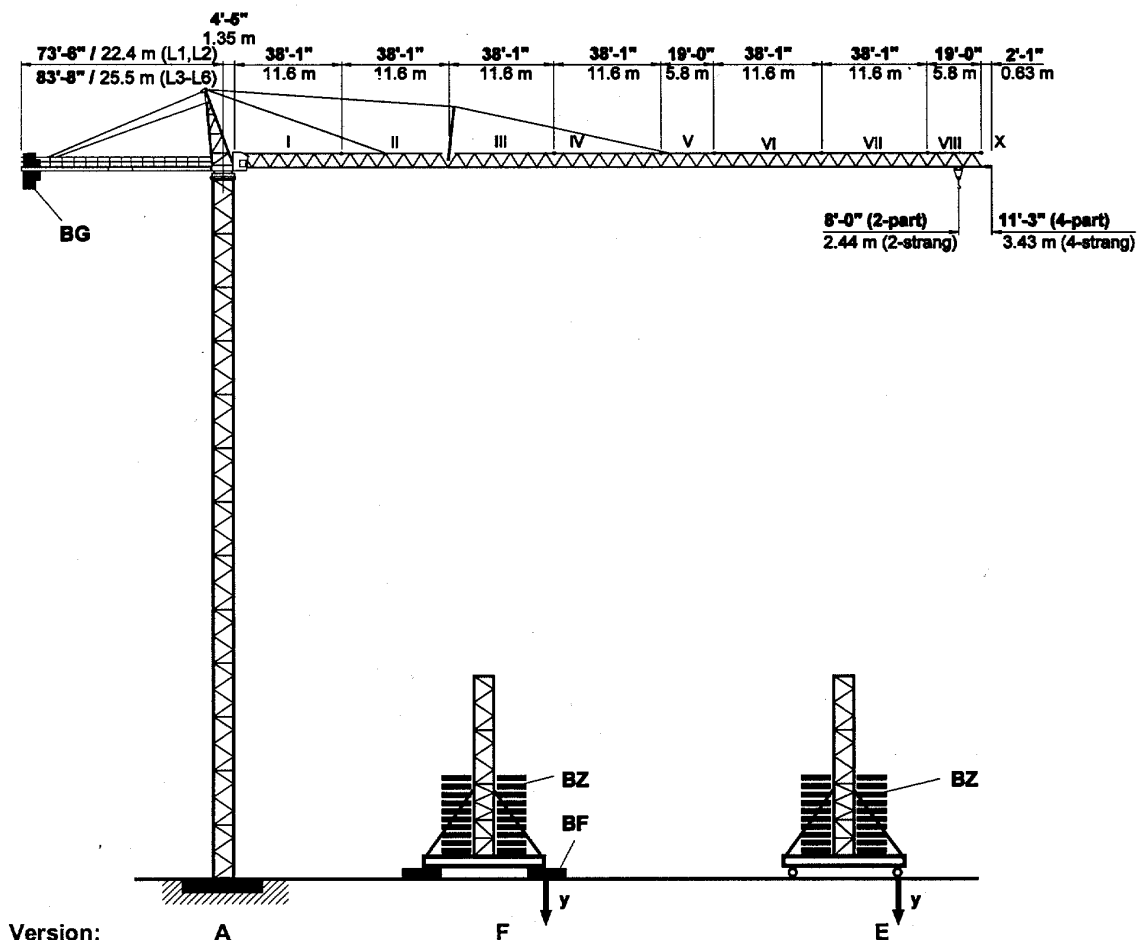
A3

USA

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



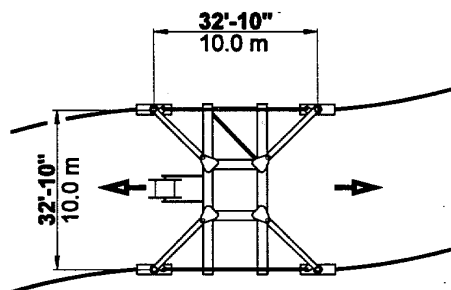
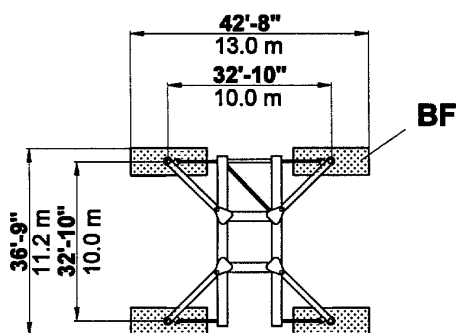
SK 565 Combinations of tower section, hook heights, forces acting per corner, base ballast
 Turmkombinationen, Hakenhöhen, Eckkräfte, Zentralballast



Version:

Version F - U 1021

Version E - UF 1021



Ground support
 Bodenauflagen

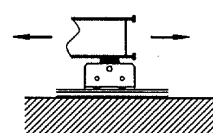
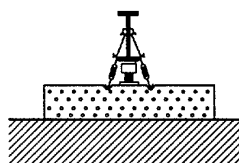
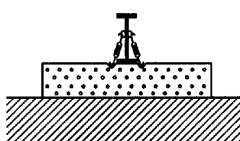
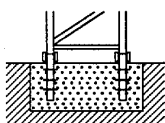
Version:

A

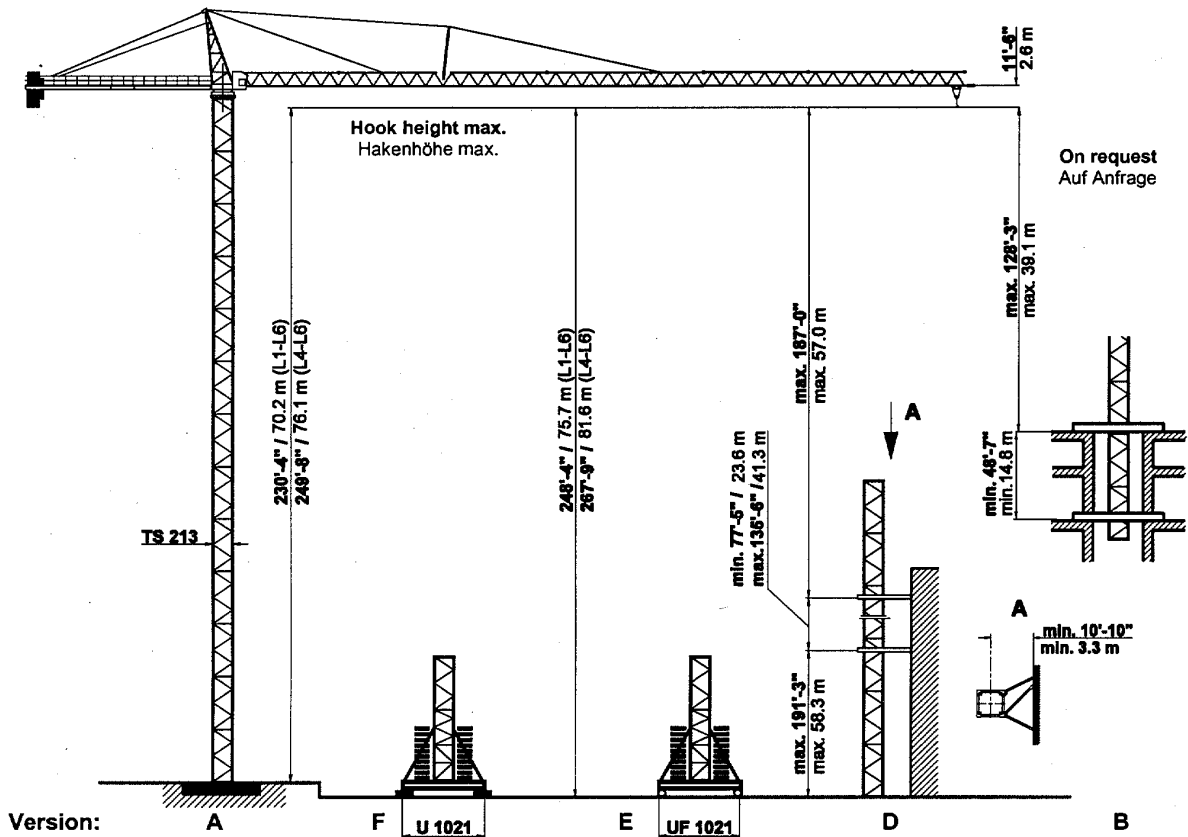
F

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
13 x TS 213.1	249'-8" * 76.1 *	1 x TSV 213 12 x TS 213.1	267'-9" * 81.6 *						
12 x TS 213.1	230'-4" 70.2	1 x TSV 213 11 x TS 213.1	248'-4" 75.7						
11 x TS 213.1	210'-11" 64.3	1 x TSV 213 10 x TS 213.1	229'-0" 69.8						
10 x TS 213.1	191'-7" 58.4	1 x TSV 213 9 x TS 213.1	209'-8" 63.9						
9 x TS 213.1	172'-3" 52.5	1 x TSV 213 8 x TS 213.1	190'-3" 58.0						
8 x TS 213.1	152'-11" 46.6	1 x TSV 213 7 x TS 213.1	170'-11" 52.1						
7 x TS 213.1	133'-6" 40.7	1 x TSV 213 6 x TS 213.1	151'-7" 46.2						
6 x TS 213.1	114'-2" 34.8	1 x TSV 213 5 x TS 213.1	132'-3" 40.3						
5 x TS 213.1	94'-10" 28.9	1 x TSV 213 4 x TS 213.1	112'-10" 34.4						
4 x TS 213.1	75'-6" 23.0	1 x TSV 213 3 x TS 213.1	93'-6" 28.5						
3 x TS 213.1	56'-1" 17.1	1 x TSV 213 2 x TS 213.1	74'-2" 22.6						
2 x TS 213.1	36'-9" 11.2	1 x TSV 213 1 x TS 213.1	54'-9" 16.7						
1 x TS 213.1	17'-5" 5.3	1 x TSV 213	35'-5" 10.8						
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	32200 4.6	8600 3.9	8200 3.7	7500 3.4	6800 3.1	6400 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 240 kVA Anschlußleistung								

Counterweight / Gegengewicht

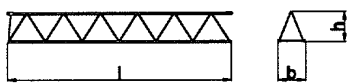
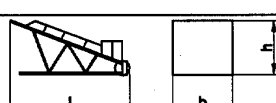
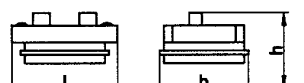
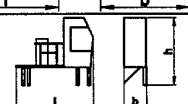
Jib / Ausleger		L 1	L 2	L 3*	L 4*	L 5*	L 6*
Counterweight Gegengewicht	BG	23 150 kg 50 800 lbs	24 800 kg 54 400 lbs	24 600 kg 54 000 lbs	24 800 kg 54 400 lbs	26 250 kg 57 600 lbs	26 250 kg 57 600 lbs
	[lbs]	7 x 6 800 1 x 3 200	8 x 6 800	7 x 6 800 2 x 3 200	8 x 6 800	8 x 6 800 1 x 3 200	8 x 6 800 1 x 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 11.80	6.07 1.85	6.24 1.90	10 360 4.70	1 467 41.5
	Section / Schuss II		38.72 11.80	6.07 1.85	6.24 1.90	8 200 3.72	1 467 41.5
	Section / Schuss III		38.72 11.80	6.07 1.85	6.07 1.85	5 000 2.27	1 427 40.4
	Section / Schuss IV		38.72 11.80	6.07 1.85	6.07 1.85	4 650 2.11	1 427 40.4
	Section / Schuss V		19.69 6.00	6.07 1.85	6.07 1.85	2 530 1.15	726 20.5
	Section / Schuss VI		38.72 11.80	6.07 1.85	5.91 1.80	3 860 1.75	1 389 39.3
	Section / Schuss VII		38.72 11.80	6.07 1.85	5.91 1.80	2 530 1.15	1 389 39.3
	Section / Schuss VIII		19.69 6.00	6.07 1.85	5.91 1.80	1 210 0.55	706 19.9
	Jib tip / Seilstation X		4.92 1.50	6.76 2.06	1.67 0.51	490 0.22	56 1.6
2	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
3	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
4	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
5	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
6	Counterweight Gegengewicht	BG	5.08 1.55 5.08 1.55	0.19 0.63 0.14 0.46	14.76 4.50 8.99 2.74	6 800 3.10 3 200 1.45	47 1.3 21 0.6
7	Tower section Turmschuss with struts mit Streben	TS 213.1	19.52 5.95	7.84 2.39	7.81 2.81	9 790 4.44	1 195 33.8
		TSV 213	39.37 12.00	10.34 3.15	10.34 3.15	31 090 14.10	4 209 119.0
8	Movable undercarriage, folded Unterwagen, kurvenfahrb., geklappt	UF 1021	43.96 13.40 8.20 2.50	9.51 2.90 2.69 0.89	3.77 1.55 2.82 0.89	37 700 17.10	1 576 85.2 64 1.8
9	Central ballast block Zentralballaststein	BZ	14.77 4.50	6.73 2.05	1.31 0.40	14 550 6.60	130 3.7
10	Foundation pad Fundamentblock	BF	9.84 3.00	3.94 1.20	2.46 0.75	13 230 6.00	95 2.7
11	Accessories Diverse Montageteile						