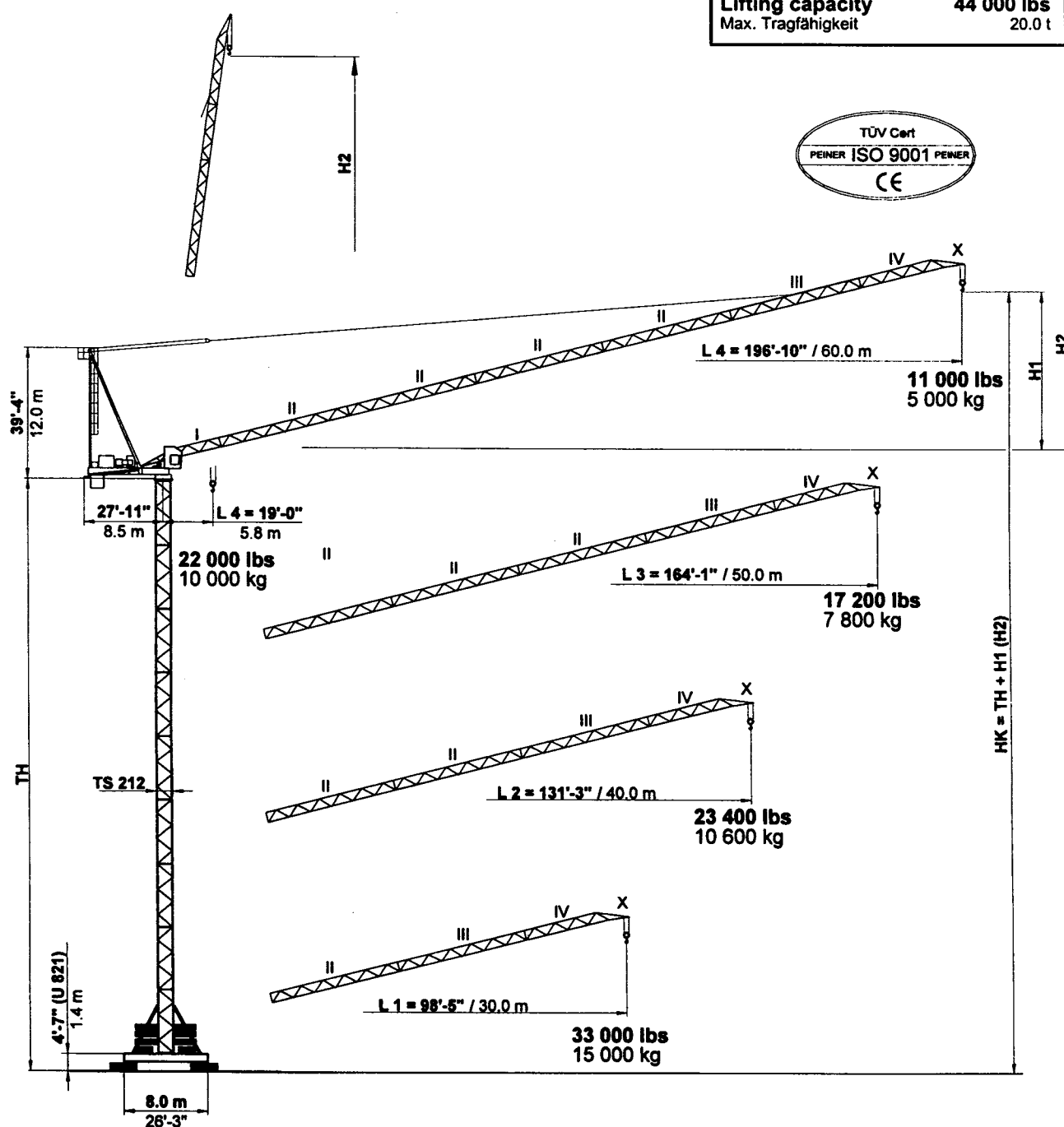
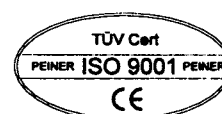




PEINER SN 406

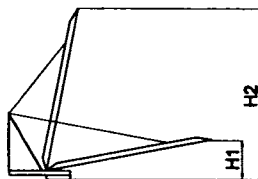
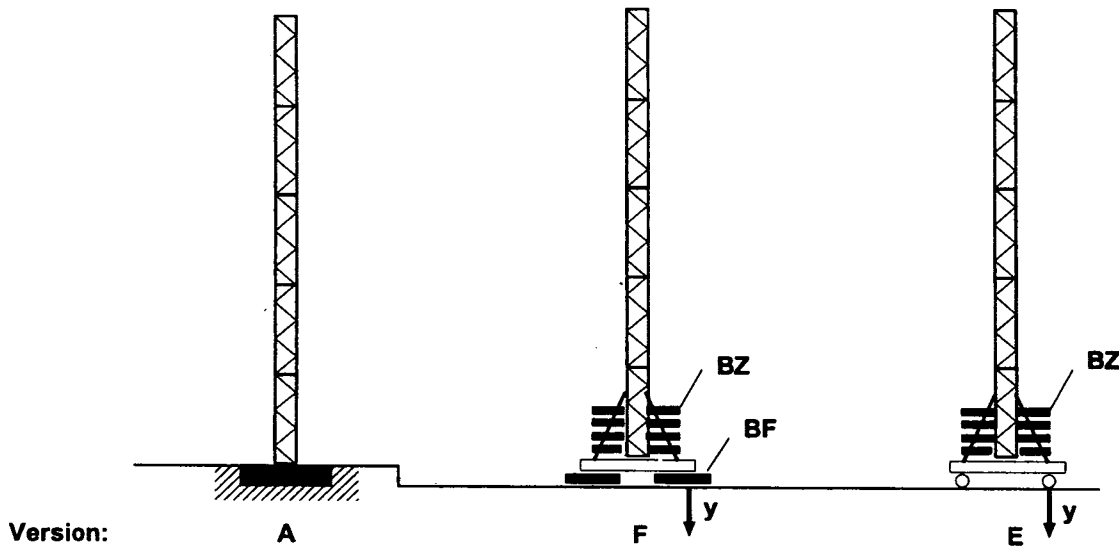
FEM 1001/3 USA	A3
Lifting capacity Max. Tragfähigkeit	44 000 lbs 20.0 t





SN 406 Combinations of tower section, hook heights, forces acting per corner, base ballast

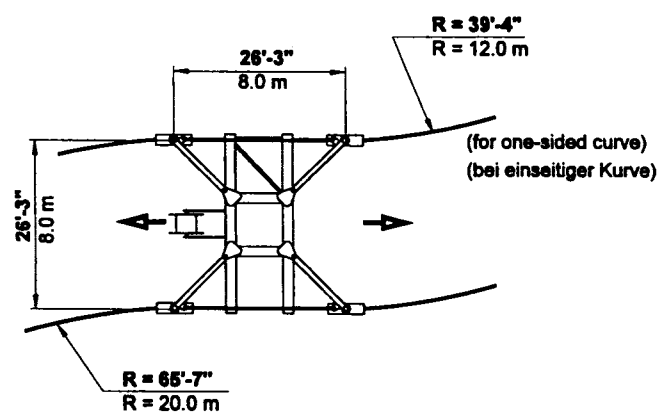
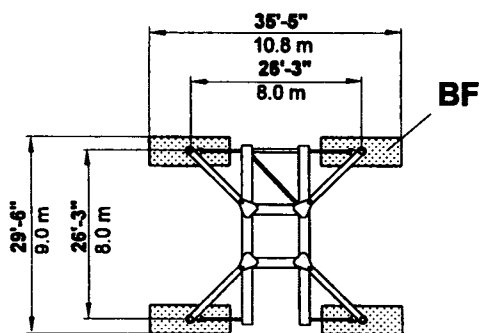
Turmkombinationen, Hakenhöhen, Eckkräfte, Zentralballast



U 821

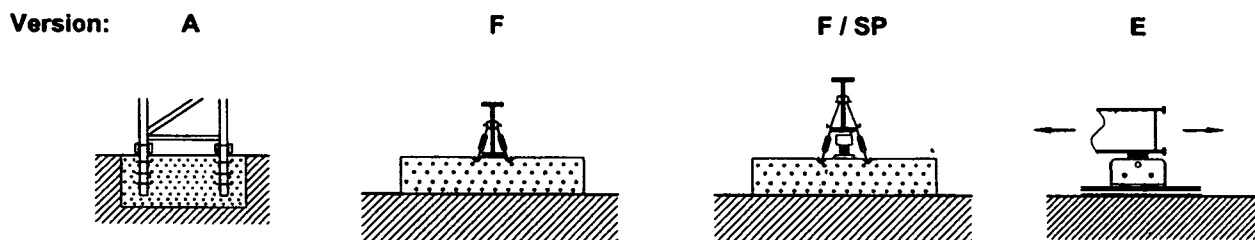
Hook height HK = Tower height TH + H1 (= TH + H2) Hakenhöhe HK = Turmhöhe TH + H1 (= TH + H2)				
	L 1	L 2	L 3	L 4
H1	20'-0" 6.1 m	29'-10" 9.1 m	39'-8" 12.1 m	49'-6" 15.1 m
H2	82'-4" 25.1 m	118'-1" 36.0 m	150'-7" 45.9 m	183'-1" 55.8 m

UF 821



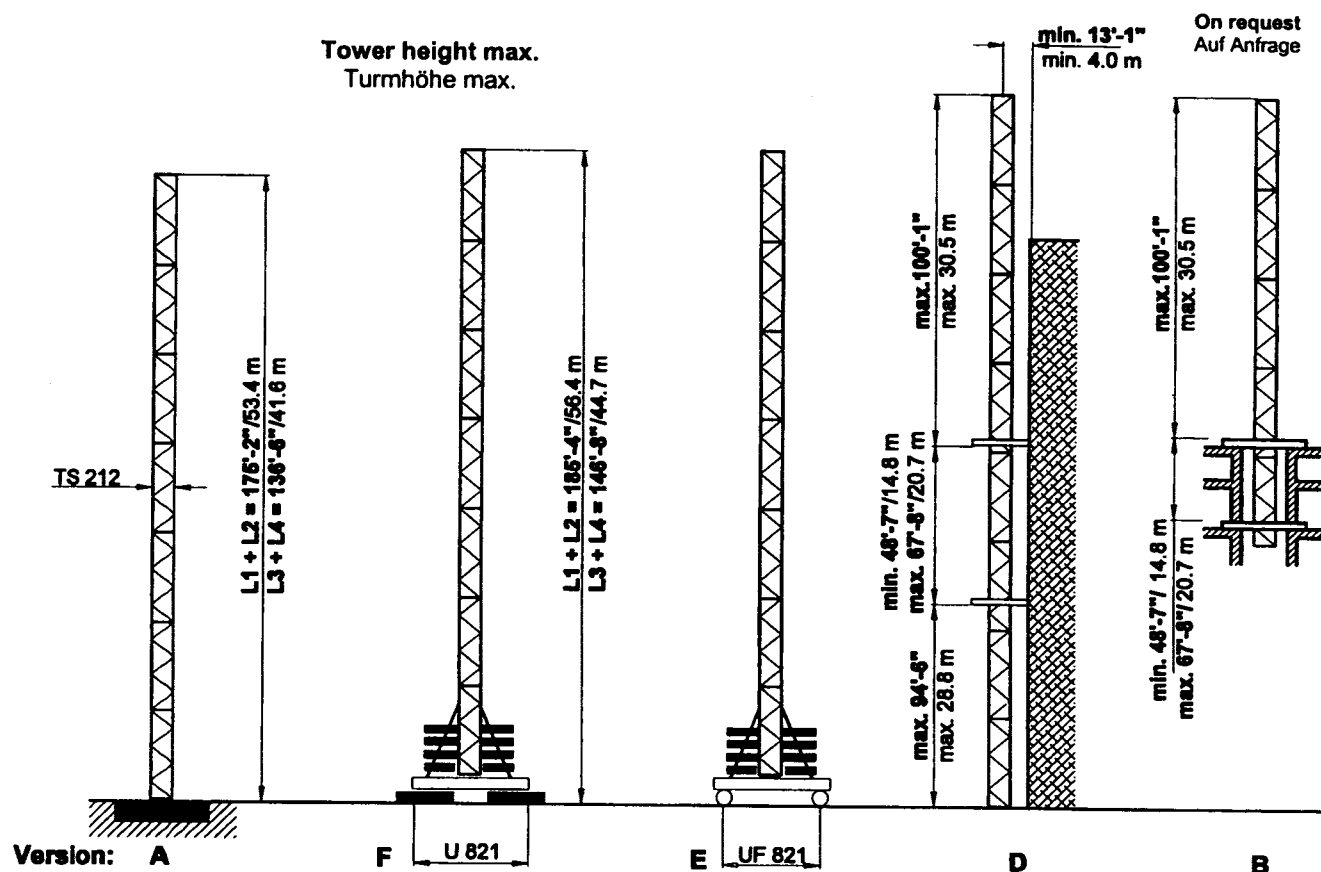
Ground support

Bodenauflagen





SN 406 Turm / Tower / Tour TS 212



TS 212	Version A			Version F			Version E					
Tower Turn	TH	Tower Turn	TH	BZ + BF	y		BZ	y		BZ	y	
					in service	out of service		in service	out of service		in service	out of service
TS 212.1	ft m	TSV 212 TS 212.1	ft m	kips t	kips kN	kips kN	kips t	kips kN	kips kN	kips	kips kN	kips kN
9 x TS 212.1	175'-2" * 53.4 *	1 x TSV 212 8 x TS 212.1	185'-4" 56.5				203 92.4	244 1084	259 1150			
8 x TS 212.1	156'-10" * 47.5 *	1 x TSV 212 7 x TS 212.1	166'-0" 50.6				203 92.4	248 1101	254 1129			
7 x TS 212.1	136'-6" 41.6	1 x TSV 212 6 x TS 212.1	147'-8" 44.7				174 79.2	231 1028	222 986	203 92.4	220 979	271 1206
6 x TS 212.1	117'-2" 35.7	1 x TSV 212 5 x TS 212.1	127'-4" 38.8	On request Auf Anfrage			145 66,0	215 956	191 848	203 92.4	223 992	254 1128
5 x TS 212.1	98'-9" 29.8	1 x TSV 212 4 x TS 212.1	108'-11" 32.9				116 52.8	195 867	166 740	145 66.0	200 891	214 953
4 x TS 212.1	78'-5" 23.9	1 x TSV 212 3 x TS 212.1	89'-7" 27.0				87 39.6	184 819	153 679	116 52.8	185 825	184 819
3 x TS 212.1	59'-1" 18.0	1 x TSV 212 2 x TS 212.1	69'-3" 21.1				87 39.6	176 785	145 649	87 39.6	170 760	153 679
2 x TS 212.1	40'-8" 12.1	1 x TSV 212 1 x TS 212.1	50'-10" 15.2				87 39.6	163 724	134 596	87 39.6	157 700	136 605
1 x TS 212.1	20'-4" 6.2	1 x TSV 212	31'-6" 9.3				87 39.6	157 699	129 575	87 39.6	151 674	130 580
Foundation Fundament 25'-3" x 25'-3" x 3'-9" 7.7 x 7.7 x 1.7 m				Stationary base Unterwagen U 821			Travelling base Unterwagen, kurvenfahrbar UF 821					
Anchor stools Fundamentfüße 4 x FF 212				BF 4 x 8.82 kips 4 x 4.0 t		BZ block 14.55 kips Block 6.6 t		Bogie / curve Fahrschemel / Kurve F 500				

* only for L1 and L2; nur bei L1 und L2

TS 212.1 = 5.9 m / 19'-4 1/4"

TSV 212 = 7.9 m / 25'-11"

**SN 406 Radius and capacity / Ausladung und Tragfähigkeit**

Boom Ausleger	ft m	max. capacity max. Tragfähigkeit	Radius [ft] and capacity [kips] Ausladung [m] und Tragfähigkeit [t]															
			 44.0 kips 20.0 t															
			65.6 20.0	75.5 23.0	82.0 25.0	98.4 30.0	103.0 31.4	114.8 35.0	129.6 39.5	131.2 40.0	139.4 42.5	147.6 45.0	155.8 47.5	164.0 50.0	172.2 52.5	180.4 55.0	188.6 57.5	196.8 60.0
L4	196.8 60.0																	
L3	164.0 50.0																	
L2	131.2 40.0	10.5 – 72.2 3.2 – 22.0	44.0 20.0	42.1 19.1	38.6 17.5	31.7 14.4	30.2 13.7	26.9 12.2	23.6 10.7	23.4 10.6								
L1	98.4 30.0	6.6 – 75.6 2.0 – 23.0	44.0 20.0	44.0 20.0	40.1 18.2	33.0 15.0												
			 22.0 kips 10.0 t															
L4	196.8 60.0	19.0 – 103.0 5.8 – 31.4	22.0 10.0	22.0 10.0	22.0 10.0	22.0 10.0	22.0 10.0	19.6 8.9	17.2 7.8	17.0 7.7	15.9 7.2	15.0 6.8	14.1 6.4	13.4 6.1	12.8 5.8	12.1 5.5	11.5 5.2	11.0 5.0
L3	164.0 50.0	17.8 – 129.6 4.5 – 39.5	22.0 10.0	22.0 10.0	22.0 10.0	22.0 10.0	22.0 10.0	22.0 10.0	22.0 10.0	21.8 9.9	20.5 9.3	19.2 8.7	18.1 8.2	17.2 7.8				
L2	131.2 40.0	10.5 – 131.2 3.2 – 40.0	22.0 10.0	22.0 10.0	22.0 10.0	22.0 10.0	22.0 10.0	22.0 10.0	22.0 10.0	22.0 10.0								
L1	98.4 30.0	6.6 – 98.4 2.0 – 30.0	22.0 10.0	22.0 10.0	22.0 10.0	22.0 10.0												

Speeds / Geschwindigkeiten

SR WB 66-125/4		t = 3.1 min				108 HP 79 kW			
SR 10-190/3		v = 0 → 96 fpm (30 m)				2 x 16 HP 2 x 12 kW			
SR WB 150/4		v = 0 → 1.02 rpm (min ⁻¹)				L 1, L 2	1 x 12 HP 1 x 9 kW		
						L 3, L 4	2 x 12 HP 2 x 9 kW		
 HK max. = 820 ft / 250 m 6 - layers / 6 - Lagen							480 V / 60 Hz / 3 ph		
Type SR WB 66-100/4F [108 HP] [79 kW]				➤ 450 fpm 134 m / min	5 500 lbs 2 500 kg		➤ 225 fpm 67 m / min	11 000 lbs 5 000 kg	Total motor output 240 HP Motorenleistung ges. 180 kW without / ohne SR 10-190/3
				➤ 290 fpm 85 m / min	9 200 lbs 4 200 kg		➤ 145 fpm 43 m / min	18 500 lbs 8 400 kg	
				➤ 180 fpm 54 m / min	15 600 lbs 7 100 kg		➤ 90 fpm 27 m / min	31 300 lbs 14 200 kg	
				➤ 115 fpm 34 m / min	22 000 lbs 10 000 kg		➤ 58 fpm 17 m / min	44 000 lbs 20 000 kg	
									Connected power Anschlußleistung

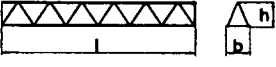
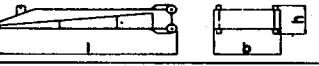
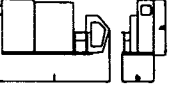
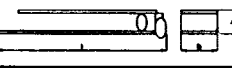
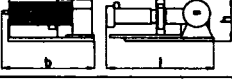
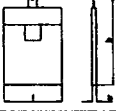
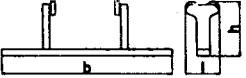
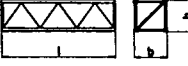
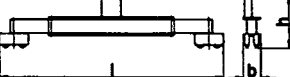
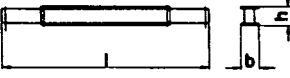
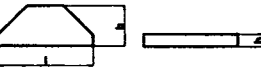
Counterweight / Gegengewichtsballast

Boom / Ausleger			L 1	L 2	L 3	L 4
Counterweight Gegengewicht	BG	[kips]	66.0	66.0	70.4	70.4
		[t]	30.0	30.0	32.0	32.0
		[kips]	6 x 11.0	6 x 11.0	2 x 2.2 6 x 11.0	2 x 2.2 6 x 11.0
		[t]	6 x 5.0	6 x 5.0	2 x 1.0 6 x 5.0	2 x 1.0 6 x 5.0

**SN 356/406 Dimensions and weights of transport**

Transportmaße und Transportgewichte

Mounting weights see operating manual!
Montagegewichte siehe Betriebsanleitung!

	Designation Benennung			Dimensions [ft] Abmessungen [m]			Weight Gewicht kips / t	Volume Volumen ft ³ / m ³
				l	b	h		
1	Boom section I Auslegerschuss I			19.8	7.4	5.9	3.6	864
				6.03	2.25	1.79	1.64	24.3
2	Boom section II Auslegerschuss II			34.51	7.28	5.77	3.4	1449
	Section L1 - L2 Schuss L1 - L2			10.52	2.22	1.76	1.54	41.1
	Section L2 - L3 Schuss L2 - L3			34.51	7.28	5.77	3.1	1449
	Section L3 - L4 Schuss L3 - L4			10.52	2.22	1.76	1.39	41.1
	Section L2 - L3 Schuss L2 - L3			34.51	7.28	5.77	2.9	1449
	Section L3 - L4 Schuss L3 - L4			10.52	2.22	1.76	1.32	41.1
	Section L2 - L3 Schuss L2 - L3			34.51	7.28	5.77	3.0	1449
	Section L3 - L4 Schuss L3 - L4			10.52	2.22	1.76	1.35	41.1
	Boom section III Auslegerschuss III			34.91	7.28	6.07	3.7	1543
	Boom section III Auslegerschuss III			10.64	2.22	1.85	1.66	43.7
3	Boom section IV Auslegerschuss IV			22.15	5.61	6.89	2.6	856
				6.75	1.71	2.10	1.19	24.2
4	Turntable with DA and slewing gear Drehbühne mit DA und Drehwerk			13.19	8.33	7.71	29.5	847
				4.02	2.54	2.35	13.4	24.0
5	Counter jib Gegenausleger			19.75	7.28	4.99	15.1	717
				6.02	2.22	1.52	6.88	20.3
6	Cab with support, railing, electrical panel Kabine mit Podest, Geländer, Schaltschrank			20.73	6.23	7.55	6.1	975
				6.32	1.90	2.30	2.78	27.6
7	A-frame with ladder Bockspitze mit Leiter			38.39	6.86	3.22	9.8	848
				11.70	2.09	0.98	4.47	24.0
8	Hoist winch with rope Hubwinde mit Seil	66 WB		6.23	8.23	3.97	9.0	204
				1.90	2.51	1.21	4.10	5.8
9	Luffing winch with rope Verstellwinde mit Seil	66 WB		9.68	6.92	3.97	7.6	266
				2.95	2.11	1.21	3.43	7.5
10	Counterweight ballast Gegengewichtsballast	BG		5.58	0.46	7.48	2.2	19
				1.70	0.14	2.28	1.00	0.5
				5.58	1.44	10.10	11.0	81
				1.70	0.44	3.08	5.00	2.3
11	Counterweight carriage Ballastwagen			18.11	2.95	4.36	2.9	233
				5.52	0.90	1.33	1.34	6.6
12	Tower section Turmschuss with struts mit Streben	TS 212.1		19.52	7.78	8.01	9.13	1216
				5.95	2.37	2.45	4.14	34.4
		TSV 212		31.17	9.84	10.00	20.33	3067
				9.50	3.00	3.05	9.22	86.9
13	Travelling base, folded Unterwagen, kurvenfahrb., geklappt	UF 821		41.01	9.74	7.05	35.05	2816
				12.50	2.97	2.15	15.90	79.8
14	Stationary base Unterwagen, stationär	U 821		34.55	9.06	2.79	17.13	873
				10.53	2.76	0.85	7.77	24.7
15	Central ballast block Zentralballaststein	BZ		14.77	6.73	1.31	14.55	130
				4.50	2.05	0.40	6.60	3.7
16	Foundation pad Fundamentblock	BF		9.84	3.94	2.46	13.22	95
				3.00	1.20	0.75	6.00	2.7
17	Accessoires Diverse Montageteile							



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