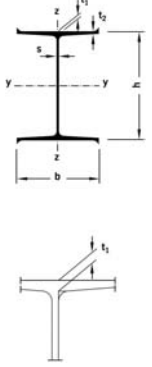
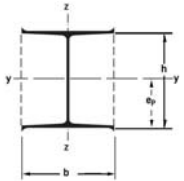


PEINE Steel Piles, Box Piles and Intermediate Sections PZ

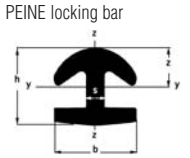
Section PSt	Weight kg/m	Dimensions					Circumference		Cross section		Axis y-y			Axis z-z		
		Height h mm	Flange width b mm	Web thick- ness s mm	Flange thick- ness		total cm	out- line cm	steel cm ²	out- line cm ²	I _y cm ⁴	W _y cm ³	i _y cm	I _z cm ⁴	W _z cm ³	i _z cm
					t ₁ mm	t ₂ mm										
300/ 80	80	305	305	9	13.9	9.2	181	128	102	930	18440	1209	13.4	6050	397	7.69
300/ 85	85	306	306	10	14.4	9.7	182	128.4	109	936	19492	1171	13.4	6416	419	7.68
300/ 95	95	308	308	12	15.4	10.7	183	130	122	949	21575	1401	13.3	7122	462	7.66
300/106	106	310	310	14	16.4	11.8	184	131.2	135	961	23767	1533	13.3	7906	510	7.66
370/107	107	366	379	9	15.2	12	227	158	136	1390	36489	1994	16.4	13176	695	9.84
370/116	116	366	382	12	15.2	12	229	159	148	1400	38148	2085	16	13827	724	9.66
370/122	122	370	380	10	17.2	14	229	160	155	1410	42274	2285	16.5	15192	800	9.89
370/132	132	369.4	383.7	13.7	16.9	13.8	230	161	168	1420	43594	2360	16.1	15790	823	9.69
370/153	153	374	386	16	19.2	16.1	232	162	196	1440	51212	2739	16.2	18555	961	9.75
400/100	100	392	379	10	13.2	10	233	163	127	1490	37668	1922	17.2	11380	601	9.45
400/119	119	396	381	12	15.2	12	234	165	151	1510	44969	2097	17.3	13568	712	9.48
400/127	127	400	380	11	17.2	14	235	165	162	1520	50469	2523	17.6	15210	801	9.69
400/175	175	408	387	18	21.2	18.2	239	170	223	1580	68363	3351	17.5	20748	1072	9.63
500/108	108	492	379	10	13.2	10	253	183	137	1870	61745	2510	21.2	11381	601	9.1
500/136	136	500	380	11	17.2	14	255	185	173	1900	81947	3278	21.8	15211	801	9.38
500/158	177	506	381	12	20.2	17	253	186	201	1930	97895	3869	22.3	18179	954	9.5
500/177	177	511	382	13	22.7	19.6	258	188	226	1950	111837	4377	22.3	20774	1088	9.59
600/159	159	592	460	12.5	17.25	12	300	219	203	2720	130820	4420	25.4	23174	1008	10.2



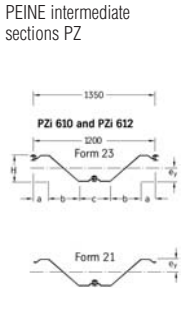
Section PSp	Section modulus		Weight kg/m	Width b mm	Height h mm	Circumference		Coating area m ² /m	Cross section area		Second moment of inertia		Radius of gyration		Distance of extr. fibres e _p cm
	W _y cm ³	W _z cm ³				total cm	outline cm		steel cm ²	outline cm ²	I _y cm ⁴	I _z cm ⁴	i _y cm	i _z cm	
370	2285	800	122	380	370	225	159	0.39	155	1421	42274	15192	16.5	9.90	18.5
400	2523	801	127	380	400	231	165	0.39	162	1535	50469	15210	17.7	9.69	20.0
500	3278	801	136	380	500	251	185	0.39	173	1915	81947	15211	21.8	9.38	25.0
600	5274	1169	188	460	600	301	221	0.47	239	2778	158226	26886	25.7	10.61	30.0
606	5847	1262	204	460	606	301	222	0.47	260	2806	177170	29035	26.1	10.57	30.3
700	6353	1169	199	460	700	321	241	0.47	253	3238	222343	26889	29.6	10.31	35.0
706	7028	1262	215	460	706	321	242	0.47	274	3266	248090	29037	30.1	10.29	35.3
800	7980	1216	221	460	800	339	261	0.47	281	3698	319198	27973	33.7	9.98	40.0
806	8754	1310	237	460	806	339	262	0.47	302	3726	352788	30122	34.2	9.99	40.3
900	9221	1216	232	460	900	359	281	0.47	295	4158	414958	27975	37.5	9.74	45.0
906	10098	1310	248	460	906	359	282	0.47	316	4186	457433	30124	38.0	9.76	45.3
1000	10509	1216	243	460	1000	379	301	0.47	309	4618	525471	27978	41.2	9.52	50.0
1006	11489	1310	259	460	1006	379	302	0.47	330	4646	577873	30126	41.8	9.55	50.3
1001	11912	1317	267	460	1000	377	301	0.47	340	4618	595586	30302	41.9	9.44	50.0
1013	12521	1369	277	460	1004	377	302	0.47	353	4637	628532	31495	42.2	9.45	50.2
1016	12882	1411	283	460	1006	377	302	0.47	361	4646	647988	32450	42.4	9.48	50.3
1017 S	16295	1680	362	460	1017	374	304	0.47	461	4697	828618	38631	42.4	9.15	50.9
1035 SL	15629	1627	334	460	1035	380	308	0.47	425	4779	808808	37422	43.6	9.38	51.8
1035 S	16656	1680	364	460	1035	378	308	0.47	464	4779	861951	38632	43.1	9.12	51.8



$$W_{yP} = \frac{I_y}{e_p}$$



Locking Bar P	Section modulus W _y cm ³	W _z cm ³	Weight kg/m	Dimensions			Circumference total cm	Cross section cm ²	Second mom. of inertia I _y cm ⁴	I _z cm ⁴	Dist. of extr. fibres a _z mm
				h mm	b mm	s mm					
	28	19.3	18.4	63.8	67	14	35.4	23.5	91.7	65.2	32.8



Section Pz	Form	Weight kg/m	Dimensions				Circumference total m	Cross section cm ²	Coating area m ² /m	Second moment of inertia I _y cm ⁴	Dist. of extr. fibres e _y cm
			a mm	b mm	c mm	H mm					
610	23	175	152	296	304	270	3.35	223	3.19	23400	15.0
612	23	195	152	296	304	272	3.35	249	3.19	25820	14.9
675-12	23	209	141	410	246	312	3.7	266	3.53	34642	15.8
610	21	138	152	296	304	270	2.95	176	2.95	16740	14.8
612	21	158	152	296	304	272	2.95	202	2.95	19030	14.9
675-12	21	172	141	410	246	312	3.27	219	3.29	27465	15.9