

Technical Specification of TUBULAR Poles

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STEEL TUBULAR POLES SPECIFICATION

SWAGED POLES MADE FROM STEEL OF ULTIMATE TENSILE STRENGTH 410 MPa (42 kgf/mm²) AS PER IS: 2713 (1980)

Designation	Overall Length L	Planting Depth	Height above Ground H	Length of Sections			Outside Diameter and Thickness of Sections			Approx Weight of pole (kg)
				Bottom h ₃	Middle h ₂	Top h ₁	Bottom	Middle	Top	
1	2	3	5	(m)	(m)	(m)	(mm)	(mm)	(mm)	12
410 SP-1	7.00	1.25	5.75	4.00	1.50	1.50	114.3x3.65	88.9x3.25	76.1x3.25	62
410 SP-2	7.00	1.25	5.75	4.00	1.50	1.50	114.3x4.50	88.9x4.05	76.1x3.25	73
410 SP-3	7.00	1.25	5.75	4.00	1.50	1.50	114.3x5.40	88.9x4.85	76.1x3.25	85
410 SP-4	7.50	1.25	6.25	4.50	1.50	1.50	114.3x3.65	88.9x3.25	76.1x3.25	67
410 SP-5	7.50	1.25	6.25	4.50	1.50	1.50	114.3x4.50	88.9x4.05	76.1x3.25	79
410 SP-6	7.50	1.25	6.25	4.50	1.50	1.50	114.3x5.40	88.9x4.85	76.1x3.25	93
410 SP-7	7.50	1.25	6.25	4.50	1.50	1.50	139.7x4.50	114.3x3.65	88.9x3.25	97
410 SP-8	7.50	1.25	6.25	4.50	1.50	1.50	139.7x4.85	114.3x3.65	88.9x3.25	103
410 SP-9	7.50	1.25	6.25	4.50	1.50	1.50	139.7x5.40	114.3x3.65	88.9x3.25	110
410 SP-10	8.00	1.50	6.50	4.50	1.75	1.75	114.3x3.65	88.9x3.25	76.1x3.25	70
410 SP-11	8.00	1.50	6.50	4.50	1.75	1.75	114.3x4.50	88.9x4.05	76.1x3.25	83
410 SP-12	8.00	1.50	6.50	4.50	1.75	1.75	114.3x5.40	88.9x4.85	76.1x3.25	97
410 SP-13	8.00	1.50	6.50	4.50	1.75	1.75	139.7x4.50	114.3x3.65	88.9x3.25	101
410 SP-14	8.00	1.50	6.50	4.50	1.75	1.75	139.7x4.85	114.3x4.50	88.9x3.25	111
410 SP-15	8.00	1.50	6.50	4.50	1.75	1.75	139.7x5.40	114.3x4.50	88.9x3.25	119
410 SP-16	8.50	1.50	7.00	5.00	1.75	1.75	114.3x3.65	88.9x3.25	76.1x3.25	75
410 SP-17	8.50	1.50	7.00	5.00	1.75	1.75	114.3x4.50	88.9x4.05	76.1x3.25	89
410 SP-18	8.50	1.50	7.00	5.00	1.75	1.75	114.3x5.40	88.9x4.85	76.1x3.25	104
410 SP-19	8.50	1.50	7.00	5.00	1.75	1.75	139.7x4.50	114.3x3.65	88.9x3.25	109
410 SP-20	8.50	1.50	7.00	5.00	1.75	1.75	139.7x4.85	114.3x3.65	88.9x3.25	115
410 SP-21	8.50	1.50	7.00	5.00	1.75	1.75	139.7x5.40	114.3x4.50	88.9x3.25	129
410 SP-22	8.50	1.50	7.00	5.00	1.75	1.75	165.1x4.50	139.7x4.50	114.3x3.65	141
410 SP-23	8.50	1.50	7.00	5.00	1.75	1.75	165.1x4.85	139.7x4.50	114.3x3.65	148
410 SP-24	8.50	1.50	7.00	5.00	1.75	1.75	165.1x5.40	139.7x4.50	114.3x3.65	158
410 SP-25	9.00	1.50	7.50	5.00	2.00	2.00	114.3x3.65	88.9x3.25	76.1x3.25	78
410 SP-26	9.00	1.50	7.50	5.00	2.00	2.00	114.3x4.50	88.9x4.05	76.1x3.25	92
410 SP-27	9.00	1.50	7.50	5.00	2.00	2.00	114.3x5.40	88.9x4.85	76.1x3.25	108
410 SP-28	9.00	1.50	7.50	5.00	2.00	2.00	139.7x4.50	114.3x3.65	88.9x3.25	113
410 SP-29	9.00	1.50	7.50	5.00	2.00	2.00	139.7x4.85	114.3x4.50	88.9x3.25	125
410 SP-30	9.00	1.50	7.50	5.00	2.00	2.00	139.7x5.40	114.3x4.50	88.9x3.25	133
410 SP-31	9.00	1.50	7.50	5.00	2.00	2.00	165.1x4.50	139.7x4.50	114.3x3.65	147
410 SP-32	9.00	1.50	7.50	5.00	2.00	2.00	165.1x4.85	139.7x4.50	114.3x3.65	154
410 SP-33	9.00	1.50	7.50	5.00	2.00	2.00	165.1x5.40	139.7x4.50	114.3x3.65	164
410 SP-34	9.50	1.80	7.70	5.00	2.25	2.25	139.7x4.50	114.3x4.50	88.9x3.25	122
410 SP-35	9.50	1.80	7.70	5.00	2.25	2.25	139.7x4.85	114.3x4.50	88.9x3.25	129
410 SP-36	9.50	1.80	7.70	5.00	2.25	2.25	139.7x5.40	114.3x4.50	88.9x3.25	137
410 SP-37	9.50	1.80	7.70	5.00	2.25	2.25	165.1x4.50	139.7x4.50	114.3x3.65	153
410 SP-38	9.50	1.80	7.70	5.00	2.25	2.25	165.1x4.85	139.7x4.50	114.3x3.65	160
410 SP-39	9.50	1.80	7.70	5.00	2.25	2.25	165.1x5.40	139.7x4.50	114.3x3.65	170

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				Bottom h ₃	Middle h ₂	Top h ₁	Bottom	Middle	Top	
1	2	3	5	(m)	(m)	(m)	(mm)	(mm)	(mm)	12
410 SP-40	10.00	1.80	8.20	5.20	2.40	2.40	139.7x4.50	114.3x4.50	88.9x3.25	128
410 SP-41	10.00	1.80	8.20	5.20	2.40	2.40	139.7x4.85	114.3x4.50	88.9x3.25	135
410 SP-42	10.00	1.80	8.20	5.20	2.40	2.40	139.7x5.40	114.3x4.50	88.9x3.25	144
410 SP-43	10.00	1.80	8.20	5.20	2.40	2.40	165.1x4.50	139.7x4.50	114.3x3.65	160
410 SP-44	10.00	1.80	8.20	5.20	2.40	2.40	165.1x4.85	139.7x4.50	114.3x3.65	168
410 SP-45	10.00	1.80	8.20	5.20	2.40	2.40	165.1x5.40	139.7x4.50	114.3x3.65	178
410 SP-46	10.00	1.80	8.20	5.20	2.40	2.40	193.7x4.85	165.1x4.50	139.7x4.50	208
410 SP-47	10.00	1.80	8.20	5.20	2.40	2.40	193.7x5.40	165.1x4.50	139.7x4.50	221
410 SP-48	10.00	1.80	8.20	5.20	2.40	2.40	193.7x5.90	165.1x4.50	139.7x4.50	233
410 SP-49	11.00	1.80	9.20	5.60	2.70	2.70	139.7x4.50	114.3x4.50	88.9x3.25	140
410 SP-50	11.00	1.80	9.20	5.60	2.70	2.70	139.7x4.85	114.3x4.50	88.9x3.25	147
410 SP-51	11.00	1.80	9.20	5.60	2.70	2.70	139.7x5.40	114.3x5.40	88.9x3.25	164
410 SP-52	11.00	1.80	9.20	5.60	2.70	2.70	165.1x4.50	139.7x4.50	114.3x3.65	175
410 SP-53	11.00	1.80	9.20	5.60	2.70	2.70	165.1x4.85	139.7x4.50	114.3x3.65	183
410 SP-54	11.00	1.80	9.20	5.60	2.70	2.70	165.1x5.40	139.7x4.50	114.3x3.65	194
410 SP-55	11.00	1.80	9.20	5.60	2.70	2.70	193.7x4.85	165.1x4.50	139.7x4.50	227
410 SP-56	11.00	1.80	9.20	5.60	2.70	2.70	193.7x5.40	165.1x4.50	139.7x4.50	241
410 SP-57	11.00	1.80	9.20	5.60	2.70	2.70	193.7x5.90	165.1x4.85	139.7x4.50	256
410 SP-58	12.00	2.00	10.00	5.80	3.10	3.10	165.1x4.50	139.7x4.50	114.3x3.65	186
410 SP-59	12.00	2.00	10.00	5.80	3.10	3.10	165.1x4.85	139.7x4.50	114.3x3.65	197
410 SP-60	12.00	2.00	10.00	5.80	3.10	3.10	165.1x5.40	139.7x4.50	114.3x3.65	208
410 SP-61	12.00	2.00	10.00	5.80	3.10	3.10	193.7x4.85	165.1x4.50	139.7x4.50	245
410 SP-62	12.00	2.00	10.00	5.80	3.10	3.10	193.7x5.40	165.1x4.50	139.7x4.50	259
410 SP-63	12.00	2.00	10.00	5.80	3.10	3.10	193.7x5.90	165.1x4.85	139.7x4.50	277
410 SP-64	12.00	2.00	10.00	5.80	3.10	3.10	219.1x4.85	193.7x4.85	165.1x4.50	292
410 SP-65	12.00	2.00	10.00	5.80	3.10	3.10	219.1x5.60	193.7x4.85	165.1x4.50	313
410 SP-66	12.00	2.00	10.00	5.80	3.10	3.10	219.1x5.90	193.7x4.85	165.1x4.50	322
410 SP-67	13.00	2.00	11.00	5.80	3.60	3.60	193.7x4.85	165.1x4.50	139.7x4.50	261
410 SP-68	13.00	2.00	11.00	5.80	3.60	3.60	193.7x5.40	165.1x4.85	139.7x4.50	281
410 SP-69	13.00	2.00	11.00	5.80	3.60	3.60	193.7x5.90	165.1x5.40	139.7x4.50	302
410 SP-70	13.00	2.00	11.00	5.80	3.60	3.60	219.1x4.85	193.7x4.85	165.1x4.50	312
410 SP-71	13.00	2.00	11.00	5.80	3.60	3.60	219.1x5.60	193.7x4.85	165.1x4.50	333
410 SP-72	13.00	2.00	11.00	5.80	3.60	3.60	219.1x5.90	193.7x4.85	165.1x4.50	343
410 SP-73	14.50	2.00	12.50	6.50	4.00	4.00	193.7x5.40	165.1x4.85	139.7x4.50	312
410 SP-74	14.50	2.00	12.50	6.50	4.00	4.00	193.7x5.90	165.1x5.40	139.7x4.50	336
410 SP-75	14.50	2.00	12.50	6.50	4.00	4.00	219.1x5.60	193.7x4.85	165.1x4.50	370
410 SP-76	14.50	2.00	12.50	6.50	4.00	4.00	219.1x5.90	193.7x4.85	165.1x4.50	380
410 SP-77	16.00	2.30	13.70	7.00	4.50	4.50	193.7x5.40	165.1x4.85	139.7x4.50	341
410 SP-78	16.00	2.30	13.70	7.00	4.50	4.50	193.7x5.90	165.1x5.40	139.7x4.50	367
410 SP-79	16.00	2.30	13.70	7.00	4.50	4.50	219.1x5.60	193.7x4.85	165.1x4.50	405
410 SP-80	16.00	2.30	13.70	7.00	4.50	4.50	219.1x5.90	193.7x4.85	165.1x4.50	416