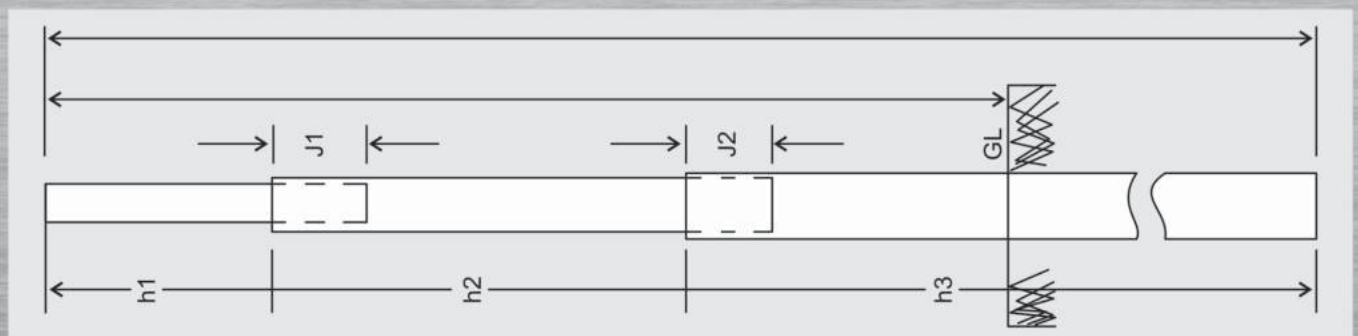


SWAGED TYPE STEEL TUBULAR POLES AS PER IS:2713 (PART II)-1980-410 SP-MPA

Designation	Overall Length	Planting Depth	Load Applied from Top at a Distance of	Height above ground H	Length of Sections			Outside Diameter and Thickness of Sections			Approx Weight of Pole	Breaking Load	Crippling Load	Working Load		Load for Permanent Set not Exceeding 13mm	Load for Temporary Deflection of 157.5mm
					Bottom h3	Middle h2	Top h1	Bottom h3	Middle h2	Top h1				Col 14 2	Col 13 2.5		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(mm)	(mm)	(mm)	(Kg)	(Kg)	N (Kg)	N (Kg)	N (Kg)	N (Kg)	N (Kg)
41OSP-1	7.00	1.25	0.30	5.75	4.00	1.50	1.50	114.3x3.65	88.9 x3.25	76.1X3.25	62	2570 (262)	1820(186)	912(93)	1030(105)	1245(127)	785(80)
41OSP-2	7.00	1.25	0.30	5.75	4.00	1.50	1.50	114.3x4.50	88.9 x4.05	76.1X3.25	73	3100(316)	2240(224)	1100(112)	1240(126)	1510(154)	941(96)
41OSP-3	7.00	1.25	0.30	5.75	4.00	1.50	1.50	114.3x5.40	88.9 x4.85	76.1X3.25	85	3630(370)	2580(263)	1280(131)	1450(148)	1760(180)	1090(111)
41OSP-4	7.50	1.25	0.30	6.25	4.50	1.50	1.50	114.3x3.65	88.9 x3.25	76.1X3.25	67	2350(240)	1670(170)	1320(135)	941(96)	1150(117)	627(64)
41OSP-5	7.50	1.25	0.30	6.25	4.50	1.50	1.50	114.3x4.50	88.9 x4.05	76.1X3.25	79	2760(281)	1960(200)	981(100)	1100(112)	1340(137)	745(76)
41OSP-6	7.50	1.25	0.30	6.25	4.50	1.50	1.50	114.3x5.40	88.9 x4.85	76.1X3.25	93	3320(339)	2360(241)	1180(120)	1330(136)	1620(165)	873(89)
41OSP-7	7.50	1.25	0.30	6.25	4.50	1.50	1.50	139.7x4.50	114.3x3.65	89.9X3.25	97	4330(442)	3080(314)	1540(157)	1740(177)	2110(215)	1400(143)
41OSP-8	7.50	1.25	0.30	6.25	4.50	1.50	1.50	139.7x4.85	114.3x3.65	89.9X3.25	103	4630(472)	3280(335)	1650(168)	1850(189)	2250(229)	1480(151)
41OSP-9	7.50	1.25	0.30	6.25	4.50	1.50	1.50	139.7x5.40	114.3x3.65	89.9X3.25	110	5100(520)	3620(369)	1810(185)	2040(208)	2480(253)	1600(163)
41OSP-10	8.00	1.50	0.30	6.50	4.50	1.75	1.75	114.3x3.65	88.9 x3.25	76.1X3.25	70	2260(230)	1600(163)	804(82)	902(92)	1110(112)	520(53)
41OSP-11	8.00	1.50	0.30	6.50	4.50	1.75	1.75	114.3x4.50	88.9 x4.05	76.1X3.25	83	2730(278)	1930(197)	971(99)	1090(111)	1320(135)	618(63)
41OSP-12	8.00	1.50	0.30	6.50	4.50	1.75	1.75	114.3x5.40	88.9 x4.85	76.1X3.25	97	3190(325)	2270(231)	1130(115)	1270(130)	1550(158)	725(74)
41OSP-13	8.00	1.50	0.30	6.50	4.50	1.75	1.75	139.7x4.50	114.3x3.65	89.9X3.25	101	4160(424)	2950(301)	1480(151)	1670(170)	2020(206)	1180(120)
41OSP-14	8.00	1.50	0.30	6.50	4.50	1.75	1.75	139.7x4.85	114.3x4.50	89.9X3.25	111	4440(453)	3160(322)	1580(161)	1770(181)	2160(220)	1280(131)
41OSP-15	8.00	1.50	0.30	6.50	4.50	1.75	1.75	139.7x5.40	114.3x4.50	89.9X3.25	109	4890(499)	3470(354)	1740(177)	1960(200)	2380(243)	1380(140)
41OSP-16	8.50	1.50	0.30	7.00	5.00	1.75	1.75	114.3x3.65	88.9 x3.25	76.1X3.25	75	2090(213)	1480(151)	745(76)	834(85)	1020(104)	432(44)
41OSP-17	8.50	1.50	0.30	7.00	5.00	1.75	1.75	114.3x4.50	88.9 x4.05	76.1X3.25	89	2520(257)	1790(182)	893(91)	1010(103)	1230(125)	510(52)
41OSP-18	8.50	1.50	0.30	7.00	5.00	1.75	1.75	114.3x5.40	88.9 x4.85	76.1X3.25	104	2950(301)	2100(214)	1050(107)	1180(120)	1430(146)	598(61)
41OSP-19	8.50	1.50	0.30	7.00	5.00	1.75	1.75	139.7x4.50	114.3x3.65	89.9X3.25	109	3844(392)	2730(278)	1360(139)	1540(157)	1800(191)	961(98)
41OSP-20	8.50	1.50	0.30	7.00	5.00	1.75	1.75	139.7x4.85	114.3x3.65	89.9X3.25	115	5110(419)	2910(297)	1460(140)	1650(168)	2000(204)	1010(103)
41OSP-21	8.50	1.50	0.30	7.00	5.00	1.75	1.75	139.7x5.40	114.3x4.50	89.9X3.25	129	4530(462)	3220(328)	1620(164)	1810(185)	2210(225)	1130(115)
41OSP-22	8.50	1.50	0.30	7.00	5.00	1.75	1.75	165.1x4.50	139.7x4.50	114.3x3.65	141	5450(556)	3870(395)	1930(197)	2180(222)	2650(270)	1730(176)
41OSP-23	8.50	1.50	0.30	7.00	5.00	1.75	1.75	165.1x4.85	139.7x4.50	114.3x3.65	148	5840(596)	4150(423)	2080(212)	2330(238)	2840(290)	1820(186)
41OSP-24	8.50	1.50	0.30	7.00	5.00	1.75	1.75	165.1x5.40	139.7x4.50	114.3x3.65	158	6450(658)	4580(467)	2340(234)	2579(263)	3140(320)	1970(201)
41OSP-25	9.00	1.50	0.30	7.50	5.00	2.00	2.00	114.3x3.65	88.9 x3.25	76.1X3.25	78	1940(198)	1380(141)	686(70)	775(79)	941(96)	333(34)
41OSP-26	9.00	1.50	0.30	7.50	5.00	2.00	2.00	114.3x4.50	88.9 x4.05	76.1X3.25	92	2340(239)	1670(170)	834(85)	941(96)	1140(116)	402(41)
41OSP-27	9.00	1.50	0.30	7.50	5.00	2.00	2.00	114.3x5.40	88.9 x4.85	76.1X3.25	108	2750(280)	1950(199)	971(99)	1100(112)	1330(136)	461(47)
41OSP-28	9.00	1.50	0.30	7.50	5.00	2.00	2.00	139.7x4.50	114.3x3.65	89.9X3.25	113	3580(365)	2540(259)	1270(130)	1430(146)	1740(117)	745(76)
41OSP-29	9.00	1.50	0.30	7.50	5.00	2.00	2.00	139.7x4.85	114.3x3.65	89.9X3.25	125	3820(390)	2728(277)	1350(138)	1530(156)	1860(190)	814(83)
41OSP-30	9.00	1.50	0.30	7.50	5.00	2.00	2.00	139.7x5.40	114.3x4.50	89.9X3.25	133	4220(430)	2990(305)	1500(153)	1690(172)	2050(209)	882(90)
41OSP-31	9.00	1.50	0.30	7.50	5.00	2.00	2.00	165.1x4.50	139.7x4.50	114.3x3.65	147	5070(517)	3600(367)	1800(184)	2030(207)	2460(251)	1360(139)
41OSP-32	9.00	1.50	0.30	7.50	5.00	2.00	2.00	165.1x4.85	139.7x4.50	114.3x3.65	154	5430(554)	3850(393)	1930(197)	2180(222)	2640(269)	1430(146)
41OSP-33	9.00	1.50	0.30	7.50	5.00	2.00	2.00	165.1x5.40	139.7x4.50	114.3x3.65	164	6000(612)	4270(435)	2130(217)	2410(245)	2910(297)	1540(157)



Weight: (-) 5% on lot basis & (-) 7.5% on individual Pole

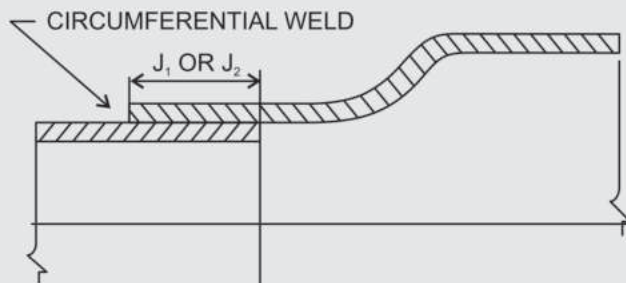
Straightness: The finished pole shall not out of straightness by more than 1/600 of 1st length

SWAGED TYPE STEEL TUBULAR POLES AS PER IS:2713 (PART II)-1980-410 SP-MPA



Designation	Overall Length	Planting Depth	Load Applied from Top at a Distance of	Height above ground H	Length of Sections			Outside Diameter and Thickness of Sections			Approx Weight of Pole	Breaking Load	Crippling Load	Working Load		Load for Permanent Set not Exceeding 13mm	Load for Temporary Deflection of 157.5mm
					Bottom h3	Middle h2	Top h1	Bottom h3	Middle h2	Top h1				Col 14 2	Col 13 2.5		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(mm)	(mm)	(mm)	(Kg)	(Kg)	N (Kg)	N (Kg)	N (Kg)	N (Kg)	N (Kg)
410SP-34	9.50	1.80	0.60	7.70	5.00	2.25	2.25	139.7x4.50	114.3x4.50	89.9X3.25	122	3630(370)	2580(263)	1280(131)	1450(148)	1760(180)	745(76)
410SP-35	9.50	1.80	0.60	7.70	5.00	2.25	2.25	139.7x4.85	114.3x4.50	89.9X3.25	129	3880(396)	2760(281)	1390(142)	1550(158)	1880(192)	784(80)
410SP-36	9.50	1.80	0.60	7.70	5.00	2.25	2.25	139.7x5.40	114.3x4.50	89.9X3.25	137	4280(436)	3040(310)	1520(155)	1710(174)	2080(212)	833(85)
410SP-37	9.50	1.80	0.60	7.70	5.00	2.25	2.25	165.1x4.50	139.7x4.50	114.3x3.65	153	5150(525)	3660(373)	1820(186)	2060(210)	2500(255)	1300(133)
410SP-38	9.50	1.80	0.60	7.70	5.00	2.25	2.25	165.1x4.85	139.7x4.50	114.3x3.65	160	5510(562)	3910(399)	1960(200)	2210(225)	2680(273)	1370(140)
410SP-39	9.50	1.80	0.60	7.70	5.00	2.25	2.25	165.1x5.40	139.7x4.50	114.3x3.65	170	6090(621)	4320(441)	2160(220)	2430(248)	2960(302)	1480(151)
410SP-40	10.00	1.80	0.60	8.20	5.20	2.40	2.40	139.7x4.50	114.3x4.50	89.9X3.25	128	3390(346)	2410(246)	1210(123)	1350(138)	1650(168)	608(62)
410SP-41	10.00	1.80	0.60	8.20	5.20	2.40	2.40	139.7x4.85	114.3x4.50	89.9X3.25	135	3630(370)	2580(263)	1280(131)	1450(148)	1760(180)	637(65)
410SP-42	10.00	1.80	0.60	8.20	5.20	2.40	2.40	139.7x5.40	114.3x4.50	89.9X3.25	144	3990(407)	2830(289)	1410(144)	1600(163)	1940(198)	677(69)
410SP-43	10.00	1.80	0.60	8.20	5.20	2.40	2.40	165.1x4.50	139.7x4.50	114.3x3.65	160	4810(490)	3410(348)	1710(174)	1920(196)	2330(238)	1060(108)
410SP-44	10.00	1.80	0.60	8.20	5.20	2.40	2.40	165.1x4.85	139.7x4.50	114.3x3.65	168	5150(525)	3660(373)	1820(186)	2060(210)	2500(255)	1120(114)
410SP-45	10.00	1.80	0.60	8.20	5.20	2.40	2.40	165.1x5.40	139.7x4.50	114.3x3.65	178	5690(580)	4040(412)	2020(206)	2280(232)	2760(282)	1200(122)
410SP-46	10.00	1.80	0.60	8.20	5.20	2.40	2.40	193.7x4.85	165.1x4.50	139.7x4.50	208	7210(735)	5120(522)	2560(261)	2880(294)	3500(357)	1850(189)
410SP-47	10.00	1.80	0.60	8.20	5.20	2.40	2.40	193.7x5.40	165.1x4.50	139.7x4.50	221	7910(807)	5620(573)	2800(286)	3170(323)	3840(392)	1990(203)
410SP-48	10.00	1.80	0.60	8.20	5.20	2.40	2.40	193.7x5.90	165.1x4.50	139.7x4.50	233	8620(879)	6120(624)	3060(312)	3450(352)	4190(427)	2110(215)
410SP-49	11.00	1.80	0.60	9.20	5.60	2.70	2.70	139.7x4.50	114.3x4.50	89.9X3.25	140	3000(306)	2130(217)	1070(109)	1200(122)	1460(149)	412(42)
410SP-50	11.00	1.80	0.60	9.20	5.60	2.70	2.70	139.7x4.85	114.3x4.50	89.9X3.25	147	3210(327)	2280(232)	1140(116)	1280(131)	1560(159)	431(44)
410SP-51	11.00	1.80	0.60	9.20	5.60	2.70	2.70	139.7x5.40	114.3x4.50	89.9X3.25	164	3530(360)	2510(256)	1260(128)	1410(144)	1720(175)	480(49)
410SP-52	11.00	1.80	0.60	9.20	5.60	2.70	2.70	165.1x4.50	139.7x4.50	114.3x3.65	175	4250(433)	3010(307)	1510(154)	1700(173)	2060(210)	726(74)
410SP-53	11.00	1.80	0.60	9.20	5.60	2.70	2.70	165.1x4.85	139.7x4.50	114.3x3.65	183	4550(464)	3230(329)	1620(165)	1820(186)	2220(226)	765(78)
410SP-54	11.00	1.80	0.60	9.20	5.60	2.70	2.70	165.1x5.40	139.7x4.50	114.3x3.65	194	5030(513)	3570(364)	1780(182)	2010(205)	2440(249)	814(83)
410SP-55	11.00	1.80	0.60	9.20	5.60	2.70	2.70	193.7x4.85	165.1x4.50	139.7x4.50	227	6370(650)	4530(462)	2260(231)	2550(260)	3100(316)	1270(130)
410SP-56	11.00	1.80	0.60	9.20	5.60	2.70	2.70	193.7x5.40	165.1x4.85	139.7x4.50	241	6990(713)	4820(502)	2480(253)	2790(285)	3400(347)	1370(140)
410SP-57	11.00	1.80	0.60	9.20	5.60	2.70	2.70	193.7x5.90	165.1x4.85	139.7x4.50	256	7620(777)	5410(552)	2710(276)	3050(311)	3710(378)	1470(150)
410SP-58	12.00	2.00	0.60	10.00	5.80	3.10	3.10	165.1x4.50	139.7x4.50	114.3x3.65	286	3880(396)	2760(281)	1380(141)	1550(158)	1880(192)	539(55)
410SP-59	12.00	2.00	0.60	10.00	5.80	3.10	3.10	165.1x4.85	139.7x4.50	114.3x3.65	297	4160(424)	2950(301)	1480(151)	1670(170)	2020(206)	569(58)
410SP-60	12.00	2.00	0.60	10.00	5.80	3.10	3.10	165.1x5.40	139.7x4.50	114.3x3.65	208	4600(469)	3270(333)	1630(166)	1840(188)	2240(228)	598(61)
410SP-61	12.00	2.00	0.60	10.00	5.80	3.10	3.10	193.7x4.85	165.1x4.50	139.7x4.50	245	5820(594)	4140(422)	2070(211)	2330(238)	2830(289)	951(97)
410SP-62	12.00	2.00	0.60	10.00	5.80	3.10	3.10	193.7x5.40	165.1x4.85	139.7x4.50	259	6390(652)	4540(463)	2270(231)	2560(261)	3110(317)	1010(103)
410SP-63	12.00	2.00	0.60	10.00	5.80	3.10	3.10	193.7x5.90	165.1x4.85	139.7x4.50	277	6960(710)	4940(504)	2470(252)	2709(284)	3390(345)	1090(111)
410SP-64	12.00	2.00	0.60	10.00	5.80	3.10	3.10	219.1x4.85	193.7x4.85	165.1x4.50	292	7490(764)	5320(542)	2660(271)	3000(306)	3640(371)	1460(140)
410SP-65	12.00	2.00	0.60	10.00	5.80	3.10	3.10	219.1x5.40	193.7x4.85	165.1x4.50	313	8530(871)	6060(618)	3030(309)	3410(348)	4150(423)	1610(164)
410SP-66	12.00	2.00	0.60	10.00	5.80	3.10	3.10	219.1x5.90	193.7x4.85	165.1x4.50	322	8980(916)	6370(560)	3190(325)	3590(366)	4360(445)	1660(169)

JINDAL-HISSAR MANUFACTURES POLES AS PER IS 2713 SIZE 410-SP-01 TO 410-SP-66, LICENCE NO CM/L 9908606



Outside Diameter of Smaller Tube in Joint	Length of Joint (J1 or J2)
mm	mm
76.1	200
88.9	230
114.3	300
139.7	350
165.1	400
193.7	450

Tolerances: Thickness Tolerance up to +/- 10%

Length: of any section +/- 40mm overall length of pole +/- 25 mm