

(Ref: Para 4.1.4 in Salient Details)

**DIMENSIONS AND STRUCTURAL PROPERTIES OF SWAGED POLES MADE FROM STEEL OF
YSt 240, UTS 410 Mpa (42 kgf/mm²)**

Designation	Over all Length L	Planting Depth	Load applied from top at a Distance	Height above ground H	Length of sections			Outside Diameter & 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				Col14 2	Col13 2.5		
					(M)	(M)	(M)	(mm)	(mm)	(mm)				(kgf)	(kgf)		
410SP-1	7.00	1.25	0.30	5.75	4.00	1.50	1.50	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	62	2570(262)	1820(186)	912(93)	1030(105)	1245(127)	785(80)
410SP-2	7.00	1.25	0.30	5.75	4.00	1.50	1.50	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	73	3100(316)	2240(224)	1100(112)	1240(126)	1510(154)	941(96)
410SP-3	7.00	1.25	0.30	5.75	4.00	1.50	1.50	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	85	3630(370)	2580(263)	1280(131)	1450(148)	1760(180)	1090(111)
410SP-4	7.50	1.25	0.30	6.25	4.50	1.50	1.50	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	67	2350(240)	1670(170)	1320(135)	941(96)	1150(117)	627(64)
410SP-5	7.50	1.25	0.30	6.25	4.50	1.50	1.50	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	79	2760(281)	1960(200)	981(100)	1100(112)	1340(137)	745(76)
410SP-6	7.50	1.25	0.30	6.25	4.50	1.50	1.50	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	93	3320(339)	2360(241)	1180(120)	1330(136)	1620(165)	873(89)
410SP-7	7.50	1.25	0.30	6.25	4.50	1.50	1.50	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	97	4330(442)	3080(314)	1540(157)	1740(177)	2110(215)	1400(143)
410SP-8	7.50	1.25	0.30	6.25	4.50	1.50	1.50	139.7 x 4.85	114.3 x 3.65	88.9 x 3.25	103	4630(472)	3280(335)	1650(168)	1850(189)	2250(229)	1480(151)
410SP-9	7.50	1.25	0.30	6.25	4.50	1.50	1.50	139.7 x 5.40	114.3 x 3.65	88.9 x 3.25	110	5100(520)	3620(369)	1810(185)	2040(208)	2480(253)	1600(163)
410SP-10	8.00	1.50	0.30	6.50	4.50	1.75	1.75	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	70	2260(230)	1600(163)	804(82)	902(92)	1100(112)	520(53)
410SP-11	8.00	1.50	0.30	6.50	4.50	1.75	1.75	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	83	2730(278)	1930(197)	971(99)	1090(111)	1320(135)	618(63)
410SP-12	8.00	1.50	0.30	6.50	4.50	1.75	1.75	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	97	3190(325)	2270(231)	1130(115)	1270(130)	1550(158)	725(74)
410SP-13	8.00	1.50	0.30	6.50	4.50	1.75	1.75	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	101	4160(424)	2950(301)	1480(151)	1670(170)	2020(206)	1180(120)
410SP-14	8.00	1.50	0.30	6.50	4.50	1.75	1.75	139.7 x 4.85	114.3 x 4.50	88.9 x 3.25	111	4440(453)	3160(322)	1580(161)	1770(181)	2160(220)	1280(131)
410SP-15	8.00	1.50	0.30	6.50	4.50	1.75	1.75	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	119	4890(499)	3470(354)	1740(177)	1960(200)	2380(243)	1380(140)
410SP-16	8.50	1.50	0.30	7.00	5.00	1.75	1.75	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	75	2090(213)	1480(151)	745(76)	834(85)	1020(104)	432(44)
410SP-17	8.50	1.50	0.30	7.00	5.00	1.75	1.75	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	89	2520(257)	1790(182)	893(91)	1010(103)	1230(125)	510(52)
410SP-18	8.50	1.50	0.30	7.00	5.00	1.75	1.75	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	104	2950(301)	2100(214)	1050(107)	1180(120)	1430(146)	598(61)
410SP-19	8.50	1.50	0.30	7.00	5.00	1.75	1.75	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	109	3844(392)	2730(278)	1360(139)	1540(157)	1800(191)	961(98)
410SP-20	8.50	1.50	0.30	7.00	5.00	1.75	1.75	139.7 x 4.85	114.3 x 3.65	88.9 x 3.25	115	4110(419)	2910(297)	1460(149)	1650(168)	2000(204)	1010(103)
410SP-21	8.50	1.50	0.30	7.00	5.00	1.75	1.75	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	129	4530(462)	3220(328)	1620(164)	1810(185)	2210(225)	1130(115)
410SP-22	8.50	1.50	0.30	7.00	5.00	1.75	1.75	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	141	5450(556)	3870(395)	1930(197)	2180(222)	2650(270)	1730(176)
410SP-23	8.50	1.50	0.30	7.00	5.00	1.75	1.75	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	148	5840(596)	4150(423)	2080(212)	2330(238)	2840(290)	1820(186)
410SP-24	8.50	1.50	0.30	7.00	5.00	1.75	1.75	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	158	6450(658)	4580(467)	2340(234)	2579(263)	3140(320)	1970(201)
410SP-25	9.00	1.50	0.30	7.50	5.00	2.00	2.00	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	78	1940(198)	1380(141)	686(70)	775(79)	941(96)	333(34)
410SP-26	9.00	1.50	0.30	7.50	5.00	2.00	2.00	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	92	2340(239)	1670(170)	834(85)	941(96)	1140(116)	402(41)
410SP-27	9.00	1.50	0.30	7.50	5.00	2.00	2.00	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	108	2750(280)	1950(199)	971(99)	1100(112)	1330(136)	461(47)

(Ref: Para 4.1.4 in Salient Details)

DIMENSIONS AND STRUCTURAL PROPERTIES OF SWAGED POLES MADE FROM STEEL OF YSt 240, UTS 410 Mpa (42 kgf/mm²)

Designation	Over all Length L	Planting Depth	Load applied from top at a Distance	Height above ground H	Length of sections			Outside Diameter & 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				Col14 2	Col13 2.5		
	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(mm)	(mm)	(mm)	(kgs)	N(kgf)	N(kgf)	N(kgf)	N(kgf)	N(kgf)	N(kgf)
410 SP-28	9.00	1.50	0.30	7.50	5.00	2.00	2.00	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	113	3580(365)	2540(259)	1270(130)	1430(146)	1740(177)	745(76)
410 SP-29	9.00	1.50	0.30	7.50	5.00	2.00	2.00	139.7 x 4.85	114.3 x 4.50	88.9 x 3.25	125	3820(390)	2720(277)	1350(138)	1530(156)	1860(190)	814(83)
410 SP-30	9.00	1.50	0.30	7.50	5.00	2.00	2.00	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	133	4220(430)	2990(305)	1500(153)	1690(172)	2050(209)	882(90)
410 SP-31	9.00	1.50	0.30	7.50	5.00	2.00	2.00	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	147	5070(517)	3600(367)	1800(184)	2030(207)	2460(251)	1360(139)
410 SP-32	9.00	1.50	0.30	7.50	5.00	2.00	2.00	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	154	5430(554)	3850(393)	1930(197)	2180(222)	2640(269)	1430(146)
410 SP-33	9.00	1.50	0.30	7.50	5.00	2.00	2.00	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	164	6000(612)	4270(435)	2130(217)	2410(245)	2910(297)	1540(157)
410 SP-34	9.50	1.80	0.60	7.70	5.00	2.25	2.25	139.7 x 4.50	114.3 x 4.50	88.9 x 3.25	122	3630(370)	2580(263)	1280(131)	1450(148)	1760(180)	745(76)
410 SP-35	9.50	1.80	0.60	7.70	5.00	2.25	2.25	139.7 x 4.85	114.3 x 4.50	88.9 x 3.25	129	3880(396)	2760(281)	1390(142)	1550(158)	1880(192)	784(80)
410 SP-36	9.50	1.80	0.60	7.70	5.00	2.25	2.25	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	137	4280(436)	3040(310)	1520(155)	1710(174)	2080(212)	833(85)
410 SP-37	9.50	1.80	0.60	7.70	5.00	2.25	2.25	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	153	5150(525)	3660(373)	1820(186)	2060(210)	2500(255)	1300(133)
410 SP-38	9.50	1.80	0.60	7.70	5.00	2.25	2.25	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	160	5510(562)	3910(399)	1960(200)	2210(225)	2680(273)	1370(140)
410 SP-39	9.50	1.80	0.60	7.70	5.00	2.25	2.25	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	170	6090(621)	4320(441)	2160(220)	2430(248)	2960(302)	1480(151)
410 SP-40	10.00	1.80	0.60	8.20	5.20	2.40	2.40	139.7 x 4.50	114.3 x 4.50	88.9 x 3.25	128	3390(346)	2410(246)	1210(123)	1350(138)	1650(168)	608(62)
410 SP-41	10.00	1.80	0.60	8.20	5.20	2.40	2.40	139.7 x 4.85	114.3 x 4.50	88.9 x 3.25	135	3630(370)	2580(263)	1280(131)	1450(148)	1760(180)	637(65)
410 SP-42	10.00	1.80	0.60	8.20	5.20	2.40	2.40	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	144	3990(407)	2830(289)	1410(144)	1600(163)	1940(198)	677(69)
410 SP-43	10.00	1.80	0.60	8.20	5.20	2.40	2.40	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	160	4810(490)	3410(348)	1710(174)	1920(196)	2330(238)	1060(108)
410 SP-44	10.00	1.80	0.60	8.20	5.20	2.40	2.40	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	168	5150(525)	3660(373)	1820(186)	2060(210)	2500(255)	1120(114)
410 SP-45	10.00	1.80	0.60	8.20	5.20	2.40	2.40	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	178	5690(580)	4040(412)	2020(206)	2280(232)	2760(282)	1200(122)
410 SP-46	10.00	1.80	0.60	8.20	5.20	2.40	2.40	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	208	7210(735)	5120(522)	2560(261)	2880(294)	3500(357)	1850(189)
410 SP-47	10.00	1.80	0.60	8.20	5.20	2.40	2.40	193.7 x 5.40	165.1 x 4.50	139.7 x 4.50	221	7910(807)	5620(573)	2800(286)	3170(323)	3840(392)	1990(203)
410 SP-48	10.00	1.80	0.60	8.20	5.20	2.40	2.40	193.7 x 5.90	165.1 x 4.50	139.7 x 4.50	233	8620(879)	6120(624)	3060(312)	3450(352)	4190(427)	2110(215)
410 SP-49	11.00	1.80	0.60	9.20	5.60	2.70	2.70	139.7 x 4.50	114.3 x 4.50	88.9 x 3.25	140	3000(306)	2130(217)	1070(109)	1200(122)	1460(149)	412(42)
410 SP-50	11.00	1.80	0.60	9.20	5.60	2.70	2.70	139.7 x 4.85	114.3 x 4.50	88.9 x 3.25	147	3210(327)	2280(232)	1140(116)	1280(131)	1560(159)	431(44)
410 SP-51	11.00	1.80	0.60	9.20	5.60	2.70	2.70	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	164	3530(360)	2510(256)	1260(128)	1410(144)	1720(175)	480(49)
410 SP-52	11.00	1.80	0.60	9.20	5.60	2.70	2.70	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	175	4250(433)	3010(307)	1510(154)	1700(173)	2060(210)	726(74)
410 SP-53	11.00	1.80	0.60	9.20	5.60	2.70	2.70	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	183	4550(464)	3230(329)	1620(165)	1820(186)	2220(226)	765(78)
410 SP-54	11.00	1.80	0.60	9.20	5.60	2.70	2.70	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	194	5030(513)	3570(364)	1780(182)	2010(205)	2440(249)	814(83)
410 SP-55	11.00	1.80	0.60	9.20	5.60	2.70	2.70	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	227	6370(650)	4530(462)	2260(231)	2550(260)	3100(316)	1270(130)
410 SP-56	11.00	1.80	0.60	9.20	5.60	2.70	2.70	193.7 x 5.40	165.1 x 4.50	139.7 x 4.50	241	6990(713)	4920(502)	2480(253)	2790(285)	3400(347)	1370(140)
410 SP-57	11.00	1.80	0.60	9.20	5.60	2.70	2.70	193.7 x 5.90	165.1 x 4.85	139.7 x 4.50	256	7620(777)	5410(552)	2710(276)	3050(311)	3710(378)	1470(150)

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YSt 240, UTS 410 Mpa (42 kgf/mm²)**

Designation	Over all Length L	Planting Depth	Load applied from top at a Distance	Height above ground H	Length of sections			Outside Diameter & 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				Col14 2	Col13 2.5		
					(M)	(M)	(M)	(mm)	(mm)	(mm)				(kgs)	N(kgf)		
410 SP-58	12.00	2.00	0.60	10.00	5.80	3.10	3.10	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	186	3880(396)	2760(281)	1380(141)	1550(158)	1880(192)	539(55)
410 SP-59	12.00	2.00	0.60	10.00	5.80	3.10	3.10	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	197	4160(424)	2950(301)	1480(151)	1670(170)	2020(206)	569(58)
410 SP-60	12.00	2.00	0.60	10.00	5.80	3.10	3.10	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	208	4600(469)	3270(333)	1630(166)	1840(188)	2240(228)	598(61)
410 SP-61	12.00	2.00	0.60	10.00	5.80	3.10	3.10	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	245	5820(594)	4140(422)	2070(211)	2330(238)	2830(289)	951(97)
410 SP-62	12.00	2.00	0.60	10.00	5.80	3.10	3.10	193.7 x 5.40	165.1 x 4.50	139.7 x 4.50	259	6390(652)	4540(463)	2270(231)	2560(261)	3110(317)	1010(103)
410 SP-63	12.00	2.00	0.60	10.00	5.80	3.10	3.10	193.7 x 5.90	165.1 x 4.85	139.7 x 4.50	277	6960(710)	4940(504)	2470(252)	2790(284)	3390(345)	1090(111)
410 SP-64	12.00	2.00	0.60	10.00	5.80	3.10	3.10	219.1 x 4.85	193.7 x 4.85	165.1 x 4.50	292	7490(764)	5320(542)	2660(271)	3000(306)	3640(371)	1460(149)
410 SP-65	12.00	2.00	0.60	10.00	5.80	3.10	3.10	219.1 x 5.60	193.7 x 4.85	165.1 x 4.50	313	8530(871)	6060(618)	3030(309)	3410(348)	4150(423)	1610(164)
410 SP-66	12.00	2.00	0.60	10.00	5.80	3.10	3.10	219.1 x 5.90	193.7 x 4.85	165.1 x 4.50	322	8980(916)	6370(650)	3190(325)	3590(366)	4360(445)	1660(169)
410 SP-67	13.00	2.00	0.60	11.00	5.80	3.60	3.60	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	261	5270(537)	3740(381)	1870(191)	2110(215)	2560(261)	677(69)
410 SP-68	13.00	2.00	0.60	11.00	5.80	3.60	3.60	193.7 x 5.40	165.1 x 4.85	139.7 x 4.50	281	5790(590)	4110(419)	2050(209)	2310(236)	2810(287)	735(75)
410 SP-69	13.00	2.00	0.60	11.00	5.80	3.60	3.60	193.7 x 5.90	165.1 x 5.40	139.7 x 4.50	302	6300(642)	4470(456)	2240(228)	2520(257)	3060(312)	794(81)
410 SP-70	13.00	2.00	0.60	11.00	5.80	3.60	3.60	219.1 x 4.85	193.7 x 4.85	165.1 x 4.50	312	6780(691)	4820(491)	2400(245)	2710(276)	3300(336)	1060(108)
410 SP-71	13.00	2.00	0.60	11.00	5.80	3.60	3.60	219.1 x 5.60	193.7 x 4.85	165.1 x 4.50	333	7720(787)	5480(559)	2740(279)	3090(315)	3750(382)	1160(118)
410 SP-72	13.00	2.00	0.60	11.00	5.80	3.60	3.60	219.1 x 5.90	193.7 x 4.85	165.1 x 4.50	343	8120(828)	5770(588)	2880(294)	3250(331)	3940(402)	1190(121)
410 SP-73	14.50	2.00	0.60	12.50	6.50	4.00	4.00	193.7 x 5.40	165.1 x 4.85	139.7 x 4.50	312	5050(366)	3590(366)	1790(183)	2020(206)	2450(250)	500(51)
410 SP-74	14.50	2.00	0.60	12.50	6.50	4.00	4.00	193.7 x 5.90	165.1 x 5.40	139.7 x 4.50	336	5500(561)	3900(398)	1950(199)	2200(224)	2680(273)	539(55)
410 SP-75	14.50	2.00	0.60	12.50	6.50	4.00	4.00	219.1 x 5.60	193.7 x 4.85	165.1 x 4.50	370	6750(688)	4790(488)	2390(244)	2700(275)	3780(334)	775(79)
410 SP-76	14.50	2.00	0.60	12.50	6.50	4.00	4.00	219.1 x 5.90	193.7 x 4.85	165.1 x 4.50	380	7100(724)	5040(514)	2520(257)	2840(290)	3450(352)	794(81)
410 SP-77	16.00	2.30	0.60	13.70	7.00	4.50	4.50	193.7 x 5.40	165.1 x 4.85	139.7 x 4.50	341	4590(468)	3260(332)	1630(166)	1830(187)	2230(227)	363(37)
410 SP-78	16.00	2.30	0.60	13.70	7.00	4.50	4.50	193.7 x 5.90	165.1 x 5.40	139.7 x 4.50	367	5000(510)	3550(362)	1780(181)	2000(204)	2430(248)	392(40)
410 SP-79	16.00	2.30	0.60	13.70	7.00	4.50	4.50	219.1 x 5.60	193.7 x 4.85	165.1 x 4.50	405	6130(625)	4350(444)	2180(222)	2450(250)	2980(304)	569(58)
410 SP-80	16.00	2.30	0.60	13.70	7.00	4.50	4.50	219.1 x 5.90	193.7 x 4.85	165.1 x 4.50	416	6440(657)	4570(466)	2280(233)	2580(263)	3130(319)	588(60)

ANNEXURE - I

(Ref: Para 4.1.4 in Salient Details)
DIMENSIONS AND STRUCTURAL PROPERTIES OF SWAGED POLES MADE FROM STEEL OF YSt 310, UTS 540 Mpa (55 kgf/mm²)

Designation	Over all Length L	Planting Depth	Load applied from top at a Distance	Height above ground H	Length of sections			Outside Diameter & 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				Col14 2	Col13 2.5		
	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(mm)	(mm)	(mm)	(kgs)	N(kgf)	N(kgf)	N(kgf)	N(kgf)	N(kgf)	N(kgf)
540 SP-1	7.00	1.25	0.30	5.75	4.00	1.50	1.50	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	62.0	3360(343)	2390(244)	1200(122)	1340(137)	1640(167)	785(80)
540 SP-2	7.00	1.25	0.30	5.75	4.00	1.50	1.50	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	73.0	4060(414)	2880(294)	1440(147)	1630(166)	1970(201)	941(96)
540 SP-3	7.00	1.25	0.30	5.75	4.00	1.50	1.50	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	85.0	4750(484)	3370(344)	1690(172)	1900(194)	2300(235)	1090(111)
540 SP-4	7.50	1.25	0.30	6.25	4.50	1.50	1.50	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	67.0	3080(314)	2190(223)	1090(111)	1240(126)	1500(153)	628(64)
540 SP-5	7.50	1.25	0.30	6.25	4.50	1.50	1.50	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	79.0	3720(379)	2640(269)	1320(135)	1490(152)	1800(184)	745(76)
540 SP-6	7.50	1.25	0.30	6.25	4.50	1.50	1.50	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	93.0	4350(444)	3090(315)	1550(158)	1750(178)	2120(216)	873(89)
540 SP-7	7.50	1.25	0.30	6.25	4.50	1.50	1.50	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	97.0	5680(579)	4030(411)	2020(206)	2280(232)	2760(281)	1400(143)
540 SP-8	7.50	1.25	0.30	6.25	4.50	1.50	1.50	139.7 x 4.85	114.3 x 3.65	88.9 x 3.25	103	6060(618)	4300(439)	2150(219)	2420(247)	2940(300)	1480(151)
540 SP-9	7.50	1.25	0.30	6.25	4.50	1.50	1.50	139.7 x 5.40	114.3 x 3.65	88.9 x 3.25	110	6680(681)	4750(484)	2370(242)	2670(272)	3250(331)	1600(163)
540 SP-10	8.00	1.50	0.30	6.50	4.50	1.75	1.75	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	70.0	2960(302)	2090(214)	1050(107)	1190(121)	1440(147)	520(53)
540 SP-11	8.00	1.50	0.30	6.50	4.50	1.75	1.75	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	83.0	3620(369)	2570(262)	1280(131)	1450(148)	1760(179)	619(63)
540 SP-12	8.00	1.50	0.30	6.50	4.50	1.75	1.75	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	97.0	4180(426)	2960(302)	1480(151)	1670(170)	2030(207)	726(74)
540 SP-13	8.00	1.50	0.30	6.50	4.50	1.75	1.75	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	101	5440(555)	3860(394)	1930(197)	2180(222)	2650(270)	1180(120)
540 SP-14	8.00	1.50	0.30	6.50	4.50	1.75	1.75	139.7 x 4.85	114.3 x 4.50	88.9 x 3.25	111	5820(593)	4130(421)	2070(211)	2320(237)	2820(288)	1280(131)
540 SP-15	8.00	1.50	0.30	6.50	4.50	1.75	1.75	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	119	6410(654)	4550(464)	2280(232)	2570(262)	3120(318)	1370(140)
540 SP-16	8.50	1.50	0.30	7.00	5.00	1.75	1.75	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	75.0	2740(279)	1940(198)	971(99)	1100(112)	1330(136)	431(44)
540 SP-17	8.50	1.50	0.30	7.00	5.00	1.75	1.75	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	89.0	3300(337)	2340(239)	1180(120)	1320(135)	1610(164)	510(52)
540 SP-18	8.50	1.50	0.30	7.00	5.00	1.75	1.75	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	104	3860(394)	2750(280)	1370(140)	1550(158)	1870(191)	598(61)
540 SP-19	8.50	1.50	0.30	7.00	5.00	1.75	1.75	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	109	5040(514)	3580(365)	1780(182)	2020(206)	2450(250)	961(98)
540 SP-20	8.50	1.50	0.30	7.00	5.00	1.75	1.75	139.7 x 4.85	114.3 x 3.65	88.9 x 3.25	115	5380(549)	3820(390)	1910(195)	2160(220)	2620(267)	1010(103)
540 SP-21	8.50	1.50	0.30	7.00	5.00	1.75	1.75	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	129	5930(605)	4220(430)	2110(215)	2370(242)	2880(294)	1130(115)
540 SP-22	8.50	1.50	0.30	7.00	5.00	1.75	1.75	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	141	7140(728)	5070(517)	2530(258)	2850(291)	3570(354)	1730(176)
540 SP-23	8.50	1.50	0.30	7.00	5.00	1.75	1.75	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	148	7650(780)	5430(554)	2720(277)	3060(312)	3720(379)	1820(186)
540 SP-24	8.50	1.50	0.30	7.00	5.00	1.75	1.75	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	158	8450(862)	6000(612)	3000(306)	3380(345)	4110(419)	1970(201)
540 SP-25	9.00	1.50	0.30	7.50	5.00	2.00	2.00	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	78	2550(260)	1810(185)	902(92)	1020(104)	1240(126)	333(34)
540 SP-26	9.00	1.50	0.30	7.50	5.00	2.00	2.00	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	92	3070(313)	2180(222)	1090(111)	1230(125)	1490(152)	402(41)
540 SP-27	9.00	1.50	0.30	7.50	5.00	2.00	2.00	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	108	3600(367)	2560(261)	1280(130)	1440(147)	1750(178)	461(47)

(Ref: Para 4.1.4 in Salient Details)

DIMENSIONS AND STRUCTURAL PROPERTIES OF SWAGED POLES MADE FROM STEEL OF YSt 310, UTS 540 Mpa (55 kgf/mm²)

Designation	Over all Length L	Planting Depth	Load applied from top at a Distance	Height above ground H	Length of sections			Outside Diameter & 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				Col14 2	Col13 2.5		
					(M)	(M)	(M)	(mm)	(mm)	(mm)				(kgs)	N(kgf)		
540 SP-28	9.00	1.50	0.30	7.50	5.00	2.00	2.00	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	113	4690(478)	3320(339)	1670(170)	1870(191)	2280(232)	745(76)
540 SP-29	9.00	1.50	0.30	7.50	5.00	2.00	2.00	139.7 x 4.85	114.3 x 4.50	88.9 x 3.25	125	5010(511)	3560(363)	1780(181)	2000(204)	2430(248)	814(83)
540 SP-30	9.00	1.50	0.30	7.50	5.00	2.00	2.00	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	133	5520(563)	3920(400)	1960(200)	2210(225)	2690(274)	883(90)
540 SP-31	9.00	1.50	0.30	7.50	5.00	2.00	2.00	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	147	6650(678)	4720(481)	2360(241)	2660(271)	3240(330)	1360(139)
540 SP-32	9.00	1.40	0.30	7.50	5.00	2.00	2.00	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	154	7120(726)	5050(515)	2530(258)	2840(290)	3460(353)	1430(146)
540 SP-33	9.00	1.40	0.30	7.50	5.00	2.00	2.00	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	164	7860(802)	5580(569)	2800(285)	3150(321)	3820(390)	1540(157)
540 SP-34	9.50	1.80	0.60	7.70	5.00	2.25	2.25	139.7 x 4.50	114.3 x 4.50	88.9 x 3.25	122	4760(485)	3370(344)	1690(172)	1900(194)	2310(236)	745(76)
540 SP-35	9.50	1.80	0.60	7.70	5.00	2.25	2.25	139.7 x 4.85	114.3 x 4.50	88.9 x 3.25	129	5080(518)	3610(368)	1800(184)	2030(207)	2470(252)	785(80)
540 SP-36	9.50	1.80	0.60	7.70	5.00	2.25	2.25	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	137	5600(571)	3970(405)	1990(203)	2240(228)	2730(278)	834(85)
540 SP-37	9.50	1.80	0.60	7.70	5.00	2.25	2.25	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	153	6740(637)	4790(488)	2390(244)	2700(275)	3280(334)	1300(133)
540 SP-38	9.50	1.80	0.60	7.70	5.00	2.25	2.25	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	160	7200(736)	5130(523)	2560(261)	2880(294)	3510(358)	1370(140)
540 SP-39	9.50	1.80	0.60	7.70	5.00	2.25	2.25	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	170	7970(813)	5660(577)	2830(289)	3190(325)	3870(395)	1480(151)
540 SP-40	10.00	1.80	0.60	8.20	5.20	2.40	2.40	139.7 x 4.50	114.3 x 4.50	88.9 x 3.25	128	4440(453)	3160(322)	1580(161)	1780(181)	2160(220)	608(62)
540 SP-41	10.00	1.80	0.60	8.20	5.20	2.40	2.40	139.7 x 4.85	114.3 x 4.50	88.9 x 3.25	135	4750(484)	3370(344)	1690(172)	1900(194)	2300(235)	637(65)
540 SP-42	10.00	1.80	0.60	8.20	5.20	2.40	2.40	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	144	5230(533)	3710(378)	1850(189)	2090(213)	2540(259)	677(69)
540 SP-43	10.00	1.80	0.60	8.20	5.20	2.40	2.40	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	160	6300(642)	4470(456)	2240(228)	2520(257)	3060(312)	1060(108)
540 SP-44	10.00	1.80	0.60	8.20	5.20	2.40	2.40	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	168	6750(688)	4790(488)	2390(244)	2700(275)	3280(334)	1120(114)
540 SP-45	10.00	1.80	0.60	8.20	5.20	2.40	2.40	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	178	7450(760)	5300(540)	2650(270)	2980(304)	3620(369)	1200(122)
540 SP-46	10.00	1.80	0.60	8.20	5.20	2.40	2.40	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	208	9440(963)	6710(684)	3350(342)	3780(385)	4590(468)	1850(189)
540 SP-47	10.00	1.80	0.60	8.20	5.20	2.40	2.40	193.7 x 5.40	165.1 x 4.50	139.7 x 4.50	221	10400(1057)	7350(750)	3680(375)	4150(423)	5040(514)	1990(203)
540 SP-48	10.00	1.80	0.60	8.20	5.20	2.40	2.40	193.7 x 5.90	165.1 x 4.50	139.7 x 4.50	233	11300(1151)	8010(817)	4010(409)	4510(460)	5480(559)	2110(215)
540 SP-49	11.00	1.80	0.60	9.20	5.60	2.70	2.70	139.7 x 4.50	114.3 x 4.50	88.9 x 3.25	140	3920(400)	2790(284)	1390(142)	1570(160)	1900(194)	412(42)
540 SP-50	11.00	1.80	0.60	9.20	5.60	2.70	2.70	139.7 x 4.85	114.3 x 4.50	88.9 x 3.25	147	4200(428)	2980(304)	1490(152)	1680(171)	2040(208)	431(44)
540 SP-51	11.00	1.80	0.60	9.20	5.60	2.70	2.70	139.7 x 5.40	114.3 x 5.40	88.9 x 3.25	164	4620(471)	3280(334)	1640(167)	1840(188)	2250(229)	480(49)
540 SP-52	11.00	1.80	0.60	9.20	5.60	2.70	2.70	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	175	5560(567)	3950(403)	1970(201)	2230(227)	2710(276)	726(74)
540 SP-53	11.00	1.80	0.60	9.20	5.60	2.70	2.70	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	183	5960(608)	4240(432)	2120(216)	2380(243)	2890(295)	765(78)
540 SP-54	11.00	1.80	0.60	9.20	5.60	2.70	2.70	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	194	6590(672)	4680(477)	2340(239)	2640(269)	2310(327)	814(83)
540 SP-55	11.00	1.80	0.60	9.20	5.60	2.70	2.70	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	227	8340(851)	5920(604)	2960(302)	3330(340)	4060(414)	1270(130)
540 SP-56	11.00	1.80	0.60	9.20	5.60	2.70	2.70	193.7 x 5.40	165.1 x 4.50	139.7 x 4.50	241	9160(934)	6500(663)	3260(332)	3670(374)	4450(454)	1370(140)
540 SP-57	11.00	1.80	0.60	9.20	5.60	2.70	2.70	193.7 x 5.90	165.1 x 4.85	139.7 x 4.50	256	9970(1017)	7080(722)	3540(361)	3990(407)	4840(494)	1470(150)

(Ref: Para 4.1.4 in Salient Details)
DIMENSIONS AND STRUCTURAL PROPERTIES OF SWAGED POLES MADE FROM STEEL OF YSt 310, UTS 540 Mpa (55 kgf/mm²)

Designation	Over all Length L	Planting Depth	Load applied from top at a Distance	Height above ground H	Length of sections			Outside Diameter & 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				Col14 2	Col13 2.5		
	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(mm)	(mm)	(mm)	(kgs)	N(kgf)	N(kgf)	N(kgf)	N(kgf)	N(kgf)	N(kgf)
540 SP-58	12.00	2.00	0.60	10.00	5.80	3.10	3.10	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	186	5090(519)	3610(368)	1800(184)	2040(208)	2470(252)	539(55)
540 SP-59	12.00	2.00	0.60	10.00	5.80	3.10	3.10	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	197	5450(556)	3870(395)	1930(197)	2180(222)	2650(270)	569(58)
540 SP-60	12.00	2.00	0.60	10.00	5.80	3.10	3.10	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	208	6020(614)	4280(436)	2140(218)	2410(246)	2920(298)	598(61)
540 SP-61	12.00	2.00	0.60	10.00	5.80	3.10	3.10	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	245	7630(778)	5410(552)	2710(276)	3050(311)	3710(378)	951(97)
540 SP-62	12.00	2.00	0.60	10.00	5.80	3.10	3.10	193.7 x 5.40	165.1 x 4.50	139.7 x 4.50	259	8370(854)	5940(606)	2970(303)	3350(342)	4070(415)	1010(103)
540 SP-63	12.00	2.00	0.60	10.00	5.80	3.10	3.10	193.7 x 5.90	165.1 x 4.85	139.7 x 4.50	277	9120(930)	6470(660)	3240(330)	3650(372)	4430(452)	1090(111)
540 SP-64	12.00	2.00	0.60	10.00	5.80	3.10	3.10	219.1 x 4.85	193.7 x 4.85	165.1 x 4.50	292	9820(1001)	6970(711)	3480(355)	3920(400)	4770(486)	1460(149)
540 SP-65	12.00	2.00	0.60	10.00	5.80	3.10	3.10	219.1 x 5.60	193.7 x 4.85	165.1 x 4.50	313	11200(1141)	7940(810)	3970(405)	4470(456)	5440(555)	1610(164)
540 SP-66	12.00	2.00	0.60	10.00	5.80	3.10	3.10	219.1 x 5.90	193.7 x 4.85	165.1 x 4.50	322	11800(1199)	8340(851)	4180(426)	4710(480)	5720(583)	1660(169)
540 SP-67	13.00	2.00	0.60	11.00	5.80	3.60	3.60	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	261	6890(703)	4890(499)	2450(250)	2760(281)	3350(342)	677(69)
540 SP-68	13.00	2.00	0.60	11.00	5.80	3.60	3.60	193.7 x 5.40	165.1 x 4.85	139.7 x 4.50	281	7570(772)	5370(548)	2690(274)	3030(309)	3680(375)	735(75)
540 SP-69	13.00	2.00	0.60	11.00	5.80	3.60	3.60	193.7 x 5.90	165.1 x 5.40	139.7 x 4.50	302	8250(841)	5850(597)	2930(299)	3300(336)	4010(409)	794(81)
540 SP-70	13.00	2.00	0.60	11.00	5.80	3.60	3.60	219.1 x 4.85	193.7 x 4.85	165.1 x 4.50	312	8870(904)	6300(642)	3150(321)	3550(362)	4310(439)	1060(108)
540 SP-71	13.00	2.00	0.60	11.00	5.80	3.60	3.60	219.1 x 5.60	193.7 x 4.85	165.1 x 4.50	333	10100(1031)	7180(732)	3590(366)	4040(412)	4910(501)	1160(118)
540 SP-72	13.00	2.00	0.60	11.00	5.80	3.60	3.60	219.1 x 5.90	193.7 x 4.85	165.1 x 4.50	343	10600(1084)	7550(770)	3780(385)	4260(434)	5170(527)	1190(121)
540 SP-73	14.50	2.00	0.60	12.50	6.50	4.00	4.00	193.7 x 5.40	165.1 x 4.85	139.7 x 4.50	312	6620(675)	4700(479)	2350(240)	2650(270)	3220(328)	500(51)
540 SP-74	14.50	2.00	0.60	12.50	6.50	4.00	4.00	193.7 x 5.90	165.1 x 5.40	139.7 x 4.50	336	7210(735)	5120(522)	2560(261)	2880(294)	3500(357)	539(55)
540 SP-75	14.50	2.00	0.60	12.50	6.50	4.00	4.00	219.1 x 5.60	193.7 x 4.85	165.1 x 4.50	370	8840(901)	6280(640)	3140(320)	3530(360)	4300(438)	775(79)
540 SP-76	14.50	2.00	0.60	12.50	6.50	4.00	4.00	219.1 x 5.90	193.7 x 4.85	165.1 x 4.50	380	9290(947)	6590(672)	3300(336)	3720(379)	4510(460)	794(81)
540 SP-77	16.00	2.30	0.60	13.70	7.00	4.50	4.50	193.7 x 5.40	165.1 x 4.85	139.7 x 4.50	341	6010(613)	4270(435)	2140(218)	2400(245)	2920(298)	363(37)
540 SP-78	16.00	2.30	0.60	13.70	7.00	4.50	4.50	193.7 x 5.90	165.1 x 5.40	139.7 x 4.50	367	6550(668)	4650(474)	2320(237)	2620(267)	3190(325)	392(40)
540 SP-79	16.00	2.30	0.60	13.70	7.00	4.50	4.50	219.1 x 5.60	193.7 x 4.85	165.1 x 4.50	405	8030(819)	5700(581)	2850(291)	3200(328)	3900(398)	569(58)
540 SP-80	16.00	2.30	0.60	13.70	7.00	4.50	4.50	219.1 x 5.90	193.7 x 4.85	165.1 x 4.50	416	8440(861)	5990(611)	3000(306)	3370(344)	4100(418)	588(60)