

Designation	Over All Len. L	Plan-ting Dpth	Load App-plied from Top at a Dist-ance of	Hgt. abv. grd. H	Lgth. of Sections			Out-side Diameter and Thick-ness of Sections			App. Wgt. of Pole	Break-ing Load	Cripp-ling Load	Work-ing Load		Load for Perm-enant Set not Exce-eding 13 mm
					Btm h3	Mdl h2	Top h1	Btm h3	Mdl h2	Top h1				Col 14 2	Col 13 2.5	
1 (m)	2 (m)	3 (m)	4 (m)	5 (m)	6 (m)	7 (m)	8 (m)	9 (mm)	10 (mm)	11 (mm)	12 (kg)	13 (kg)	14 N (kg)	15 n (kg)	16 N (kg)	17 N (kg)

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	224.3 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	1.25	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)	1110 (112)	520 (53)
410SP-11	8.00	1.25	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 3.65	88.9 x 3.25	76.1 x 3.25	89	2520 (257)	1790 (182)	893 (91)	1010 (103)	1230 (125)	510 (52)



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 5.40	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)	4820 (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)
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)	2709(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 (140)
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 (560)	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 (590)	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 1.85	193.7 x 4.85	165.1 x 4.50	312	6780 (691)	6820 (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 (515)	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 (561)	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)	568 (60)