

Square Pole STEEL | TAPERED

PROJECT _____

TYPE _____

SPECIFICATION _____

QUICK FACTS

POLE SHAFT

The pole shaft is one or two section design, each section being fabricated from standard 11 gauge (0.1196"), 7 gauge (0.1793"), or 3 gauge (0.2391") steel. The pole shaft material is a weldable grade hot rolled commercial quality carbon steel with a guaranteed minimum yield strength of 55,000 psi after fabrication. Each section is one-piece construction with a full length longitudinal weld and is square in cross-section having a uniform taper of 0.10 inches of diameter change per foot of length.

BASE PLATE

The anchor base is fabricated from structural quality hot rolled carbon steel plate that meets or exceeds a minimum yield strength of 36,000 psi. The anchor base telescopes the pole shaft and is circumferentially welded top and bottom. All welds are performed in accordance with the American Welding Society specification AWS D1.1, latest edition.

HANDHOLE

An oval reinforced gasketed handhole, having a nominal 3" x 5" or 4" x 6-1/2" inside opening, located 1'-6" above base, is standard on all poles. Optional 5" x 8" and 4" x 10" handholes are available (see options). A grounding provision is located inside the handhole ring.

ANCHOR BOLTS

Anchor bolts are fabricated from commercial quality hot rolled carbon steel bar that meets or exceeds a minimum yield strength of 55,000 psi. Four properly sized anchor bolts, each with two regular hex nuts and washers, are furnished and shipped with all poles unless otherwise specified. Anchor bolts shall have the threaded end galvanized a minimum of 8 inches in accordance with ASTM A153. Fully galvanized anchor bolts are available upon request.

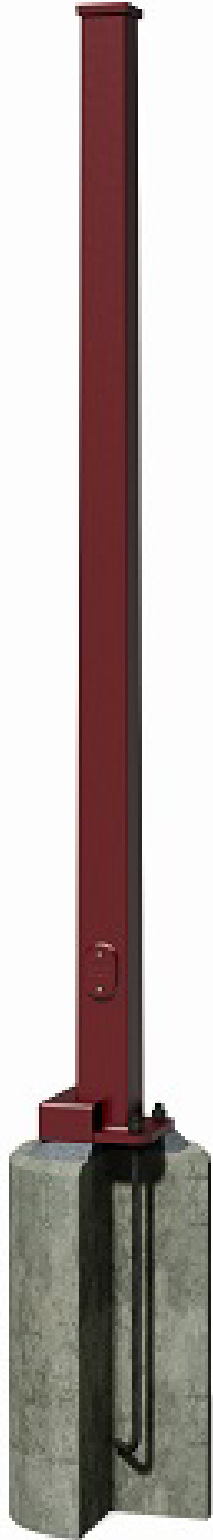
FINISHES

The Standard Finish is a polyester thermosetting powder coating applied to the surface of the substrate to a minimum of 3 mils for all color finishes. Hot dip Galvanized finish to a ASTM A123 specification or primed finish is also available. For optional finishes, consult factory.

ORDERING EXAMPLE

SERIES	HEIGHT	BASE DIAMETER	GAUGE	FINISH	MOUNTING DESIGNATION	OPTIONS
STSP	30	- 7.15	- 7	- BRZ	- DM10	- BC
				BRZ - Bronze BLK - Black G - Galvanized	<i>Tenon Mount</i> 2 - 2 3/8" x 4" tenon 3 - 2 3/4" x 4" tenon <i>Drill Mount</i> DM10 - 1 luminaire DM2090 - 2 luminaires @90° DM2180 - 2 luminaires @180° DM3090 - 3 luminaires @90° DM3120 - 3 luminaires @120° DM4090 - 4 luminaires @90°	BC - Base Cover NC - Nut Covers CPL - Threaded Coupling* NPL - Threaded Nipple* WPRP - Festoon Opening** CS - Climbing Steps SC - Safety Cable LAB - Less Anchor Bolt VDI - Vibration Damper Internal XHH - Extra Handhole* 58HH - 5" x 8" Handhole* 410HH - 4" x 10" Handhole* <i>Embedment Pole Options</i> E - Embedded Pole GS - Ground Sleeve CTE - Coal Tar Epoxy <i>Additional Simplex</i> 1S - 1 @ 0° * 2S - 2 @ 180° * 3S - 3 @ 90° * 4S - 4 @ 90° *

* Please advise size, location, and orientation. (Handholes are restricted by size of pole shaft diameter)
** Located 24" above baseplate and same side as handhole. (No electrical included)



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Catalog Number	Nominal Height	Pole Shaft	Gauge	Handhole Size	Anchor Bolt	Bolt Circle	80 mph	90 mph	100 mph	Ship Weight
STSP20-5.25-11	20	5.25 x 3.25 x 20.0	11	3 x 5	1.00 x 36 x 4	10.75	28	22	17.4	205
STSP25-6.25-11	25	6.25 x 3.75 x 25.0	11	4 x 6.5	1.00 x 36 x 4	12.5	25	18	13	282
STSP30-6.25-11	30	6.25 x 3.25 x 30.0	11	4 x 6.5	1.00 x 36 x 4	12.5	16.3	11.2	7.5	312
STSP30-7.15-11	30	7.15 x 4.15 x 30.0	11	4 x 6.5	1.00 x 36 x 4	13.5	19.5	13.5	9	357
STSP30-7.15-7	30	7.15 x 4.15 x 30.0	7	4 x 6.5	1.00 x 36 x 4	13.5	37	27	20.5	505
STSP35-7.15-11	35	7.15 x 3.65 x 35.0	11	4 x 6.5	1.00 x 36 x 4	13.5	18.5	13.2	9.1	419
STSP35-7.15-7	35	7.15 x 3.65 x 35.0	7	4 x 6.5	1.00 x 36 x 4	13.5	25.3	18.7	13.6	554
STSP35-8.00-7	35	8.00 x 4.5 x 35.0	7	4 x 6.5	1.25 x 42 x 6	14.75	14.3	8.4	3.9	715
STSP39-7.15-11	39	7.15 x 3.25 x 39.0	11	4 x 6.5	1.00 x 36 x 4	13.5	13.7	9.2	5.6	413
STSP39-7.15-7	39	7.15 x 3.25 x 39.0	7	4 x 6.5	1.00 x 36 x 4	13.5	19.4	13.8	9.4	589
STSP39-8.00-7	39	8.00 x 4.1 x 39.0	7	4 x 6.5	1.25 x 42 x 6	14.75	14.3	8.4	3.9	715
STSP39-9.00-7	39	9.00 x 5.1 x 39.0	7	4 x 6.5	1.25 x 42 x 6	16	18.9	11.4	5.7	862
STSP39-9.00-3	39	9.00 x 5.1 x 39.0	3	4 x 6.5	1.50 x 54 x 6	17	22	14.1	8.2	1312
STSP45-8.00-7	45	8.00 x 5.88 x 21.3 6.25 x 3.75 x 25.0	7 11	4 x 6.5	1.25 x 42 x 6	14.75	14.3	8.4	3.9	715
STSP45-9.00-7	45	9.00 x 5.88 x 31.3 6.25 x 4.75 x 15.0	7 11	4 x 6.5	1.25 x 42 x 6	16	18.9	11.4	5.7	862
STSP45-9.00-3	45	9.00 x 5.88 x 31.3 6.25 x 4.75 x 15.0	3 7	4 x 6.5	1.50 x 54 x 6	17	22	14.1	8.2	1312
STSP50-8.00-7	50	8.00 x 5.88 x 21.3 6.25 x 3.25 x 30.0	7 11	4 x 6.5	1.25 x 42 x 6	14.75	8.9	4.1	0	732
STSP50-9.00-7	50	9.00 x 5.88 x 31.3 6.25 x 4.25 x 20.0	7 11	4 x 6.5	1.25 x 42 x 6	16	11.9	5.8	1.1	883
STSP50-9.00-3	50	9.00 x 5.88 x 31.3 6.25 x 4.37 x 20.0	3 7	4 x 6.5	1.50 x 54 x 6	17	22	14.1	8.2	1312
STSP60-9.00-7	60	9.00 x 5.88 x 31.3 6.25 x 3.25 x 30.0	7 11	4 x 6.5	1.25 x 42 x 6	16	7.4	1.4	0	995
STSP60-9.00-3	60	9.00 x 5.88 x 31.3 6.37 x 3.37 x 30.0	3 7	4 x 6.5	1.50 x 54 x 6	17	10.5	4.4	0	1409