

## Round 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 cylindrical in cross-section having a uniform taper of 0.14 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
RTSP	30	7.5	11	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
RTSP10-4.5-11	10	4.5 x 3.1 x 10.0	11	3 x 5.0	0.75 x 17 x 3	8	45.6	37.2	30.7	72
RTSP12-4.8-11	12	4.8 x 3.1 x 12.0	11	3 x 5.0	0.75 x 17 x 3	8	42.3	34.6	28.6	84
RTSP14-5.1-11	14	5.1 x 3.1 x 14.0	11	3 x 5.0	0.75 x 17 x 3	8	40	32.7	27	96
RTSP15-5.4-11	15	5.4 x 3.3 x 15.0	11	3 x 5.0	0.75 x 17 x 3	8	33.5	27	22	104
RTSP16-5.4-11	16	5.4 x 3.1 x 16.0	11	3 x 5.0	0.75 x 17 x 3	8	32.3	26.3	21.6	109
RTSP18-5.6-11	18	5.6 x 3.1 x 18.0	11	3 x 5.0	0.75 x 17 x 3	8	28.6	23.1	18.9	122
RTSP20-5.9-11	20	6.1 x 3.3 x 20.0	11	3 x 5.0	0.75 x 30 x 3	9.5	22.7	18.1	14.6	149
RTSP20-6.1-11	20	6.1 x 3.3 x 20.0	11	3 x 5.0	0.75 x 30 x 3	9.5	22.7	18.1	14.6	173
RTSP20-6.5-11	20	6.5 x 3.7 x 20.0	11	4 x 6.5	1.00 x 36 x 4	9.5	42	34	27	188
RTSP25-6.1-11	25	6.1 x 2.6 x 25.0	11	3 x 5.0	0.75 x 30 x 3	9.5	16.7	13.3	10.6	173
RTSP25-6.6-11	25	6.8 x 3.3 x 25.0	11	4 x 6.5	0.75 x 30 x 3	10	18.9	14.8	11.6	190
RTSP25-6.8-11	25	6.8 x 3.3 x 25.0	11	4 x 6.5	0.75 x 30 x 3	10	27	21	15	213
RTSP25-7.0-11	25	6.8 x 3.3 x 25.0	11	4 x 6.5	1.00 x 36 x 4	10	35	24.6	20	230
RTSP25-7.5-11	25	7.5 x 4.0 x 25.0	11	4 x 6.5	1.00 x 36 x 4	10.5	42	32	26	253
RTSP30-6.8-11	30	6.8 x 2.6 x 30.0	11	4 x 6.5	0.75 x 30 x 3	10	14	10.8	8.3	213
RTSP30-7.5-11	30	7.5 x 3.3 x 30.0	11	4 x 6.5	1.00 x 36 x 4	10.5	22.1	17.5	13.9	265
RTSP30-8.0-11	30	8.1 x 3.9 x 30.0	11	4 x 6.5	1.00 x 36 x 4	11	24.8	19.4	15.3	293
RTSP30-8.5-11	30	8.5 x 4.3 x 30.0	11	4 x 6.5	1.00 x 36 x 4	11.5	29.1	22.8	18	309
RTSP30-9.0-11	30	9.0 x 4.8 x 30.0	11	4 x 6.5	1.00 x 36 x 4	12.5	32.5	25.5	20.1	331
RTSP30-9.0-7	30	9.0 x 4.8 x 30.0	7	4 x 6.5	1.25 x 42 x 6	12.5	54.5	43.6	35.3	493
RTSP30-10.0-11	30	10.0 x 5.8 x 30.0	11	4 x 6.5	1.00 x 36 x 4	13.5	41	31.5	24	388
RTSP30-11.0-7	30	11.0 x 6.8 x 30.0	7	4 x 6.5	1.25 x 42 x 6	15	62	47	37	720
RTSP35-7.5-11	35	7.5 x 2.6 x 35.0	11	4 x 6.5	1.00 x 36 x 4	10.5	15.7	12.3	9.7	283
RTSP35-8.0-11	35	8.1 x 3.2 x 35.0	11	4 x 6.5	1.00 x 36 x 4	11	17.3	13.4	10.4	311
RTSP35-8.5-11	35	8.5 x 3.6 x 35.0	11	4 x 6.5	1.00 x 36 x 4	11.5	21.8	16.9	13.1	338
RTSP35-9.0-11	35	9.0 x 4.1 x 35.0	11	4 x 6.5	1.00 x 36 x 4	12.5	24.6	19	14.7	358
RTSP35-9.0-7	35	9.0 x 4.1 x 35.0	7	4 x 6.5	1.25 x 42 x 6	12.5	42.3	33.7	27.1	534
RTSP35-10.0-11	35	10.0 x 4.5 x 35.0	11	4 x 6.5	1.00 x 36 x 4	13.5	31	23	17	480
RTSP35-11.0-7	35	11.0 x 6.1 x 35.0	7	4 x 6.5	1.25 x 42 x 6	15	62	47	37	720
RTSP39-8.1-11	39	8.1 x 2.6 x 39.0	11	4 x 6.5	1.00 x 36 x 4	11	13.7	10.5	8	327
RTSP39-9.0-11	39	9.0 x 3.5 x 39.0	11	4 x 6.5	1.00 x 36 x 4	12.5	19.6	14.9	11.2	376
RTSP39-9.0-7	39	9.0 x 3.5 x 39.0	7	4 x 6.5	1.25 x 42 x 6	12.5	37.5	29	22.5	597
RTSP39-10.0-11	39	10.0 x 4.5 x 39.0	11	4 x 6.5	1.00 x 36 x 4	13.5	26	18	17	480
RTSP39-11.0-7	39	11.0 x 5.5 x 39.0	7	4 x 6.5	1.25 x 42 x 6	15	47	36.5	28.4	720
RTSP39-14.0-7	39	14.0 x 8.5 x 39.0	7	4 x 6.5	1.50 x 54 x 6	20	101.8	80	63.5	1075

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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
RTSP45-10.0-11	45	10.0 x 4.6 x 39.0 5.02 x 3.9 x 7.75	11 11	4 x 6.5	1.00 x 36 x 4	13.5	18.3	13.2	9.3	488
RTSP45-11.0-7	45	11.0 x 5.5 x 39.0 6.10 x 4.9 x 8.30	7 11	4 x 6.5	1.25 x 42 x 6	15	36.8	28.5	22	800
RTSP45-12.0-7	45	12.0 x 7.8 x 30.0 8.5 x 5.95 x 18.25	7 11	4 x 6.5	1.5 x 54 x 6	16	66	50	39	1008
RTSP45-12.5-3	45	12.5 x 8.3 x 30.0 9.0 x 6.6 x 17.4	3 7	4 x 6.5	1.50 x 54 x 6	16.5	70	54	41	1342
RTSP45-14.0-7	45	14.0 x 8.3 x 41.0 9.0 x 8.0 x 7.0	7 11	4 x 6.5	1.50 x 54 x 6	20	80	60	45	1272
RTSP45-14.0-3	45	14.0 x 8.3 x 41.0 9.0 x 8.0 x 7.0	3 7	4 x 6.5	1.75 x 84 x 6	20	113	87	68	1729
RTSP50-10.0-11	50	10.0 x 4.6 x 39.0 5.02 x 3.2 x 12.75	11 11	4 x 6.5	1.00 x 36 x 4	13.5	12.9	8.9	5.7	510
RTSP50-11.0-7	50	11.0 x 5.5 x 39.0 6.10 x 4.2 x 13.3	7 11	4 x 6.5	1.25 x 42 x 6	15	27.3	20.6	15.4	802
RTSP50-12.0-7	50	12.0 x 7.8 x 30.0 8.5 x 5.3 x 23.25	7 11	4 x 6.5	1.50 x 54 x 6	16	42.1	33.4	26.8	937
RTSP50-12.5-3	50	12.5 x 8.3 x 30.0 9.0 x 5.9 x 22.4	3 7	4 x 6.5	1.50 x 54 x 6	16.5	27.4	19	12.6	1331
RTSP50-14.0-7	50	14.0 x 8.3 x 41.0 9.0 x 7.3 x 12.0	7 11	4 x 6.5	1.50 x 54 x 6	20	64	47	34	1323
RTSP50-14.0-3	50	14.0 x 8.3 x 41.0 9.0 x 7.3 x 12.0	3 7	4 x 6.5	1.75 x 54 x 6	20	93	72	55	1807
RTSP55-12.0-7	55	12.0 x 7.8 x 30.0 8.5 x 4.6 x 28.25	7 11	4 x 6.5	1.50 x 54 x 6	16	21	19	13	970
RTSP55-12.5-3	55	12.5 x 8.3 x 30.0 9.00 x 5.2 x 27.4	3 7	4 x 6.5	1.50 x 54 x 6	16.5	27.4	19	12.6	1331
RTSP55-14.0-7	55	14.0 x 8.5 x 39.0 9.00 x 6.5 x 17.8	7 11	4 x 6.5	1.50 x 54 x 6	20	33.2	23.4	15.9	1254
RTSP55-14.0-3	55	14.0 x 8.3 x 41.0 9.00 x 6.7 x 16.7	3 7	4 x 6.5	1.75 x 84 x 6	20	50.4	37.5	27.6	1646
RTSP60-12.0-7	60	12.0 x 7.8 x 30.0 8.5 x 3.8 x 33.25	7 11	4 x 6.5	1.50 x 54 x 6	16	15.7	11.2	7.9	1011
RTSP60-12.5-3	60	12.5 x 8.3 x 30.0 9.00 x 4.5 x 32.4	3 7	4 x 6.5	1.50 x 54 x 6	16.5	21.9	14.4	8.8	1375
RTSP60-14.0-7	60	14.0 x 8.5 x 39.0 9.00 x 5.8 x 22.6	7 11	4 x 6.5	1.50 x 54 x 6	20	26.7	17.9	11.2	1299
RTSP60-14.0-3	60	14.0 x 8.3 x 41.0 9.00 x 6.0 x 21.7	3 7	4 x 6.5	1.75 x 84 x 6	20	41.8	30.3	21.5	1705
RTSP65-12.5-3	65	12.5 x 8.3 x 30.0 9.00 x 3.8 x 37.4	3 7	4 x 6.5	1.50 x 54 x 6	16.5	17.2	10.6	5.6	1413
RTSP65-14.0-7	65	14.0 x 8.5 x 39.0 9.00 x 5.1 x 27.6	7 11	4 x 6.5	1.50 x 54 x 6	20	21.1	13.3	7.3	1333
RTSP65-14.0-3	65	14.0 x 8.3 x 41.0 9.00 x 5.3 x 26.7	3 7	4 x 6.5	1.75 x 84 x 6	20	34.5	24.3	16.5	1757
RTSP70-14.0-7	70	14.0 x 8.5 x 39.0 9.00 x 4.4 x 32.6	7 11	4 x 6.5	1.50 x 54 x 6	20	15.6	8.9	3.7	1363
RTSP70-14.0-3	70	14.0 x 8.3 x 41.0 9.00 x 4.6 x 31.7	3 7	4 x 6.5	1.75 x 84 x 6	20	26.8	18.1	11.4	1803