

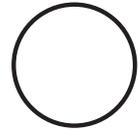
Notes:

Job:

Type:

POLES

STRAIGHT ROUND STEEL



GENERAL DESCRIPTION: The Gardco/Emco Lighting SRS straight round steel pole consists of a one-section design fabricated steel tubing circumferentially welded to a structural quality hot rolled carbon steel plate. The poles are finished with an electrostatically applied, thermally cured TGIC polyester powdercoat. All poles include anchor bolts, full base cover, hand hole, ground lug and top cap.

ORDERING

PREFIX	HEIGHT	SIZE	DRILLING	FINISH	OPTIONS
<input type="text"/>					

Enter the order code into the appropriate box above. Note: Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

PREFIX

SRS

HEIGHT

10'
15'
20'
25'
30'

SIZE

3"
4"
5"

DRILLING

D1 1 Way (3 Holes)
D2 2 Way (6 Holes)
D3 3 Way (9 Holes)
D4 4 Way (12 Holes)

T2 2 3/8" X 4" OD Tenon
T4 4" X 6" OD Tenon

FINISH

PP Prime Painted	OC Optional Color Paint <i>Specify RAL designation ex: OC-RAL7024.</i>
BRP Bronze Paint	
BLP Black Paint	SC Special Color Paint <i>Specify. Must supply color chip.</i>
WP White Paint	
NP Natural Aluminum Paint	
GV Galvanized (No Paint)	
FPGV Finished Paint over Galvanized (specify color)	

OPTIONS

FES Festoon Outlet	Side Mount Bullhorn Brackets
AHH Additional Hand Hole <i>Indicate height above base and orientation to original hand hole.</i>	GM-080* Single Side Mount Bullhorn Bracket <i>*Add "-19" for 1.9" OD or "24" for 2.4" OD. Refer to Accessory sheet 79415-26 for details.</i>
CL Coupling - Internal thread. <i>Indicate height above base, orientation to hand hole and size (1/2", 3/4", 1", 1 1/4", 1 1/2" .)</i>	

Refer to Steel Pole Accessories sheet 79415-26 additional details.

POLE DATA

CATALOG NUMBER	POLE SIZE	MAXIMUM LUMINAIRE LOADING*			ANCHOR BOLT DATA**		
		100 MPH EPA-FT ²	90 MPH EPA-FT ²	80 MPH EPA-FT ²	BOLT SIZE (inches)	BOLT CIRCLE (inches)	
SRS-10-3.0	10'	3 x 10	6.0	7.7	10.0	3/4 x 17 x 3	8.0
SRS-14-3.0	14'	3 x 14	3.3	4.4	6.0	3/4 x 17 x 3	8.0
SRS-10-4.0	10'	4 x 20	12.2	15.0	19.1	3/4 x 17 x 3	8.0
SRS-14-4.0	14'	4 x 14	7.6	9.4	12.2	3/4 x 17 x 3	8.0
SRS-16-3.0	16'	3 x 16	2.3	3.2	4.6	3/4 x 17 x 3	8.0
SRS-16-4.0	16'	4 x 16	5.9	7.4	9.6	3/4 x 17 x 3	8.0
SRS-20-4.0	20'	4 x 20	3.5	4.4	6.0	3/4 x 17 x 3	8.0
SRS-25-4.0	25'	4 x 25	1.3	1.9	2.8	3/4 x 17 x 3	8.0
SRS-20-5.0	20'	5 x 20	7.2	9.1	11.7	3/4 x 17 x 3	8.0
SRS-25-5.0	25'	5 x 25	4.2	5.5	7.2	3/4 x 17 x 3	8.0
SRS-25H-5.0 ¹	25'	5 x 25	7.4	9.4	12.1	3/4 x 17 x 3	8.0
SRS-30-5.0	30'	5 x 30	2.2	3.0	4.2	3/4 x 17 x 3	8.0
SRS-30H-5.0 ¹	30'	5 x 30	4.7	6.5	8.0	3/4 x 17 x 3	8.0

1. SRS-25H-5.0 and SRS-30H-5.0 poles feature a wall thickness of .180" for increased wind loading. All other SRS poles have a wall thickness of .120" ***Warning:** Additional wind loading, in terms of EPA, from banners, cameras, floodlights and other accessories attached to the pole, must be added to the luminaire(s) EPA before selecting the pole with the appropriate wind load capability. ****Factory supplied template must be used when setting anchor bolts. Gardco/Emco Lighting will not honor any claim for incorrect anchorage placement resulting from failure to use factory supplied templates.**

Gardco Lighting/EMCO Lighting reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.

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POLES STRAIGHT ROUND STEEL

SPECIFICATIONS

POLE SHAFT: The pole shaft is a one-section cylindrical design fabricated from hot rolled welded steel tubing with a guaranteed minimum yield strength of 42,000 PSI. Pole wall thickness is .120", except SRS-25H-5.0 and SRS-30H-5.0 poles feature a wall thickness of .180" .

ANCHOR BASE: The anchor base is fabricated from structural quality hot rolled carbon steel plate conforming to ASTM A36. The base plate telescopes the pole shaft and is circumferentially welded on both top and bottom.

ANCHOR BOLTS: Anchor bolts are fabricated from a commercial quality hot rolled carbon steel bar with a guaranteed minimum yield strength of 36,000 PSI. Bolts have an "L" bend on one end and threaded on the opposite end. Anchor bolts are hot dipped galvanized a minimum length of 12" on the threaded end. Four (4) properly sized bolts, each furnished with two (2) regular hex nuts and two (2) flat washers, are provided per pole, unless otherwise specified.

BASE COVER: A two-piece base cover completely seals the entire base plate and anchorage. The base cover is secured together with two (2) fasteners.

HAND HOLE: The reinforced handhole consists of a 2.5" x 5" rectangular tubing, steel attachment bar, steel cover and one round head zinc plated machine screw. A nut holder is welded to the handhole and includes a .5" - 13 UNC hex head bolt and nut for grounding. The handhole is welded in the pole shaft and located at 12" above the base of the pole.

FINISH: The standard finish for pole and accessories is an electrostatically applied, thermally cured TGIC polyester powdercoat. Prime painted poles are also available.

FASTENERS: All structural fasteners are galvanized high strength carbon steel. All other fasteners are galvanized or zinc plated carbon steel or stainless steel.

DESIGN: The poles as charted are designed to withstand dead loads and theoretical dynamic loads developed by variable wind speeds with an

appropriate gust factor under the following conditions:

The luminaire(s) and/or mounting bracket(s) center of gravity is assumed to be located at the pole top for all designs. For purposes of this design, their effective projected area (EPA) is considered to be the product of the actual projected area and the drag coefficient.

The wind velocities are based on 10 mph increments from 80 mph through 100 mph. Poles to be located in areas of known abnormal conditions may require special consideration. For example: coastal areas, airports and areas of special winds.

Poles are designed for ground mounted applications. Poles mounted on structures (such as buildings and bridges) may also necessitate special consideration requiring Gardco/Emco Lighting's recommendation.

Height correction factors and drag coefficients are applied to the entire structure. An appropriate safety factor is maintained based on the minimum yield strength of the material incorporated in the pole.

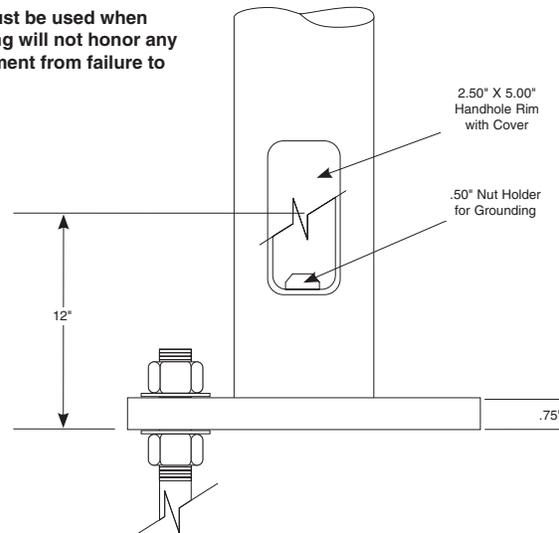
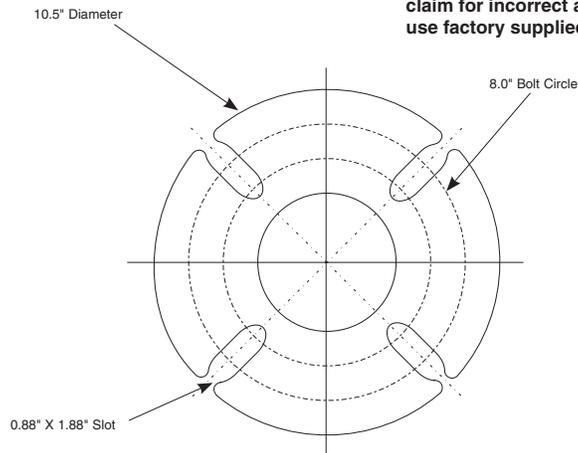
Mounting height is the vertical distance from the base of the lighting standard to the center of the luminaire arm at the point of luminaire attachment.

For loadings other than those covered in the design section, such as overhead wiring, guying of the poles or other field installed attachments, consult the factory for recommendations.

WARNING: This design information is intended as a general guideline only. The customer is solely responsible for proper selection of pole, luminaire, accessory and foundation under the given site conditions and intended usage. The addition of any items to the pole, in addition to the luminaire, will dramatically impact the EPA load on that pole. It is strongly recommended that a qualified professional be consulted to analyze the loads given the user's specific needs to ensure proper selection of the pole, luminaire, accessories, and foundation. Gardco/Emco Lighting and Genlyte assume no responsibility for such proper analysis or product selections. **Failure to insure proper site analysis, pole selection, loads and installation can result in pole failure, leading to serious injury or property damage.**

DIMENSIONS

NOTE: Factory supplied template must be used when setting anchor bolts. Gardco Lighting will not honor any claim for incorrect anchorage placement from failure to use factory supplied templates.



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