

The Gardco 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.

 Project: _____

 Location: _____

 Cat.No: _____

 Type: _____

 Lamps: _____ Qty: _____

 Notes: _____

Ordering Guide

example: SRS-20-4-D2-BRP

Prefix	Height	Size	Drilling ¹	Finish	Options
SRS					
SRS	10'	3"	D1	1 Way	BRP Bronze Paint BLP Black Paint WP White Paint MGY Medium Grey DGY Dark Grey GV Galvanized (No Paint) FPGV Finished Paint over Galvanized (specify color) OC Optional Color Paint (Specify RAL designation ex: OC-RAL7024) SC Special Color Paint (Specify. Must supply color chip.) FES Festoon Outlet VDA Vibration Dampener AHH Additional Hand Hole For Festoon Outlets and Additional Hand Holes, indicate height above base and orientation to original hand hole. See Pole Orientation Information on Page 5. Nipples and Couplings CL1/2 Coupling - Internal Thread 1/2" CL3/4 Coupling - Internal Thread 3/4" CL1 Coupling - Internal Thread 1" CL1-1/4 Coupling - Internal Thread 1-1/4" CL1-1/2 Coupling - Internal Thread 1-1/2" NL1/2 Nipple - External Thread 1/2" NL3/4 Nipple - External Thread 3/4" NL1 Nipple - External Thread 1" NL1-1/4 Nipple - External Thread 1-1/4" NL1-1/2 Nipple - External Thread 1-1/2" Indicate height above base and orientation to hand hole. See Pole Orientation Information on Page 3. Single Mount Bullhorn Brackets GM-080-19 Single - 1.9" OD (For Gardco DFL7/DFC7 only) GM-080-24 Single - 2.4" OD Indicate height above base and orientation to hand hole. See Pole Orientation Information on Page 3. Additional and alternative brackets and accessories available. Refer to the Signify product catalog (eCat) website for more information.
	14'		D2	2 Way at 180°	
	16'		D2@90	2 Way at 90°	
	10'	4"	D3	3 Way at 90°	
	14'		D3@120	3 Way at 120°	
	16'		D4	4 Way	
	20'	5"	T2	2 3/8" OD Tenon X 4" long	
	25'		T3	3" OD Tenon X 5" long	
	20'		T4	4" OD Tenon X 6" long	
	25'		P	Plain Top	
	25H ²			(No Drilling/No Tenon)	
	30'				

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.

- Standard poles are drilled in factory for compatibility with Signify luminaires only (D* options). For non-Signify-brand luminaires, select the P drilling option.
- Refers to relative strength based on wind load factors, H = Heavy.

Anchor Bolts for Gardco SRS Poles, ordered separately:

	12NC for ordering	Description (in inches)
For Pre-ship service (Order 4 per pole)	912400215786	0.75 x 18 x 3.75
For shipment with the pole (Order 1 per pole)	912400207384	0.75 x 18 x 3.75

Poles Straight Round Steel

Pole Data

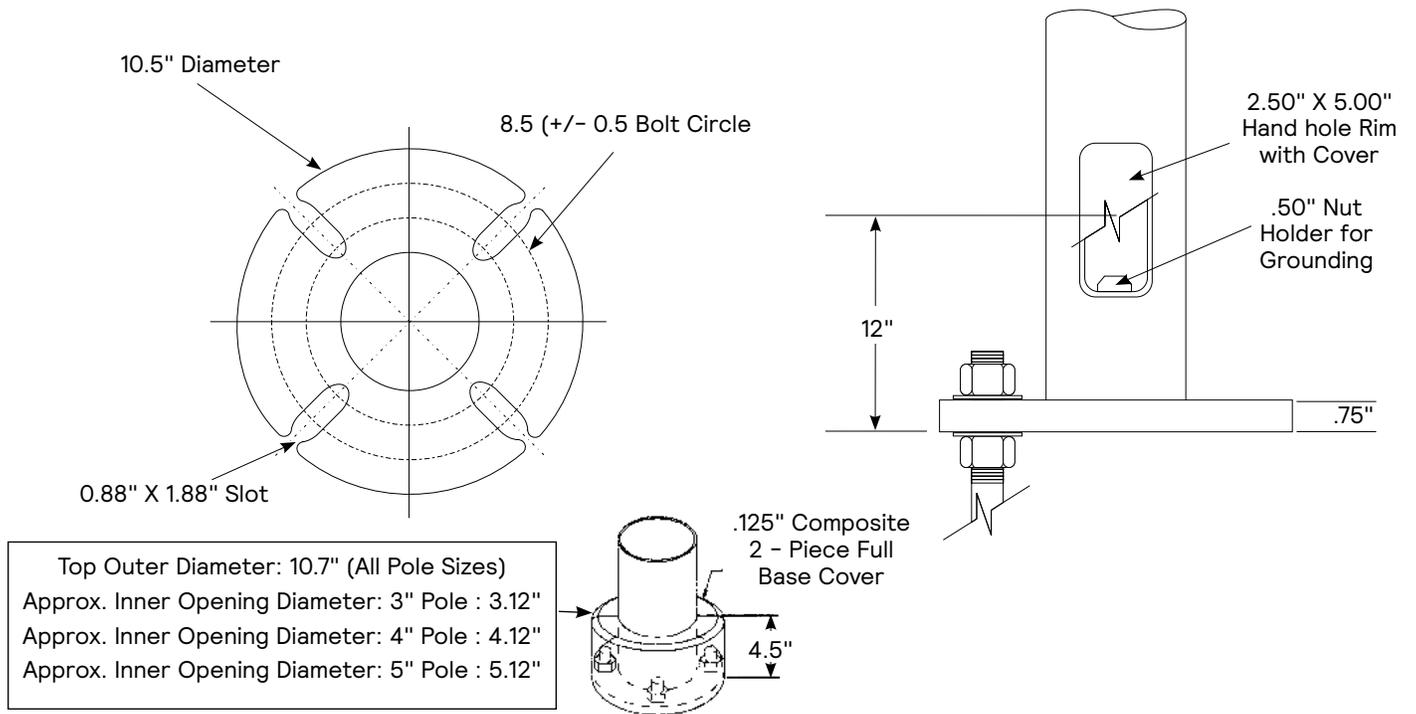
Product Catalog Number	Pole Specs				Anchor Bolt Data ²		
	Height (ft)	Pole Diameter (inches)	Wall Thickness (inches)	Structure Weight (lbs)	Bolt Circle (inches)	Bolt Size (inches)	Max Proj. (inches)
SRS-10-3.0	10	3	0.12	55	8.5 (+/- 0.5)	0.75 x 18 x 3	3.5
SRS-14-3.0	14	3	0.12	70	8.5 (+/- 0.5)	0.75 x 18 x 3	3.5
SRS-10-4.0	10	4	0.12	70	8.5 (+/- 0.5)	0.75 x 18 x 3	3.5
SRS-14-4.0	14	4	0.12	90	8.5 (+/- 0.5)	0.75 x 18 x 3	3.5
SRS-16-3.0	16	3	0.12	80	8.5 (+/- 0.5)	0.75 x 18 x 3	3.5
SRS-16-4.0	16	4	0.12	100	8.5 (+/- 0.5)	0.75 x 18 x 3	3.5
SRS-20-4.0	20	4	0.12	120	8.5 (+/- 0.5)	0.75 x 18 x 3	3.5
SRS-25-4.0	25	4	0.12	145	8.5 (+/- 0.5)	0.75 x 18 x 3	3.5
SRS-20-5.0	20	5	0.12	145	8.5 (+/- 0.5)	0.75 x 18 x 3	3.5
SRS-25-5.0	25	5	0.12	180	8.5 (+/- 0.5)	0.75 x 18 x 3	3.5
SRS-25H-5.0	25	5	0.18	260	8.5 (+/- 0.5)	0.75 x 18 x 3	3.5
SRS-30-5.0	30	5	0.12	510	8.5 (+/- 0.5)	0.75 x 18 x 3	3.5
SRS-30H-5.0	30	5	0.18	305	8.5 (+/- 0.5)	0.75 x 18 x 3	3.5

Maximum Luminaire Loading ¹						
Catalog Number	Normal Wind Conditions					
	100 MPH		90 MPH		80 MPH	
Prefix	EPA ft ²	Max Weight (lbs)	EPA ft ²	Max Weight (lbs)	EPA ft ²	Max Weight (lbs)
SRS-10-3.0	6.0	175	7.7	190	10.0	250
SRS-14-3.0	3.3	90	4.4	130	6.0	175
SRS-10-4.0	12.2	305	15.0	375	19.1	480
SRS-14-4.0	7.6	195	9.4	250	12.2	305
SRS-16-3.0	2.3	60	3.2	100	4.6	125
SRS-16-4.0	5.9	150	7.4	185	9.6	250
SRS-20-4.0	3.5	125	4.4	150	6.0	150
SRS-25-4.0	13.0	75	1.9	75	2.8	100
SRS-20-5.0	7.2	180	9.1	230	11.7	300
SRS-25-5.0	4.2	150	5.5	150	7.2	180
SRS-25H-5.0	7.4	200	9.4	250	12.1	300
SRS-30-5.0	2.2	100	3.0	125	4.2	150
SRS-30H-5.0	4.7	125	6.5	160	8.0	200

- 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 will not honor any claim for incorrect anchorage placement resulting from failure to use factory supplied templates.

Poles Straight Round Steel

Dimensions



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

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 as an accessory, unless otherwise specified. An anchor bolt template will be provided automatically when pre-shipped anchor bolts are requested. For anchor bolt shipment with poles, the pole itself will be used as the template.

DRILLING

Standard poles are drilled in factory for compatibility with Signify luminaires, optional brackets, and accessories. Signify is not liable for damage caused by unauthorized attachments, alterations, or modifications.

If luminaires are to be supplied by others, Signify/Gardco/Stonco is not responsible

for pole compatibility with luminaires, structural integrity of the pole or wind load requirements.

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

Each hand hole includes an easy to install, self-contained Swing Latch hand hole cover assembly. U.S. Patent Swing Latch cover is fabricated from durable polycarbonate/ABS blend plastic. All pole assemblies are provided with a 2.50" x 5.00" rectangular hand hole. Hand hole dimensions are nominal. The reinforced hand hole 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 hand hole and includes a .5" - 13 UNC hex head bolt and nut for grounding. The hand hole 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.

FASTENERS

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

POLE TOP CAP

Each pole assembly is provided with a removable plastic top push cap. Finish is Black.

General Pole Information

DESIGN

The poles as charted are designed to withstand dead loads and predicted dynamic loads developed by variable wind speeds with an additional 30% gust factor under the following conditions:

The charted weights include luminaire(s) and/or mounting bracket(s).

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'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.

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 assumes 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.

GENERAL INFORMATION

Mounting height is the vertical distance from the base of the lighting pole to the center of the luminaire arm at the

point of luminaire attachment. PE digitally stamped pole calculations are available on Gardco Site and Area poles upon request for an additional charge. Detailed project and installation information is required to fulfill this service. For more information, consult the factory.

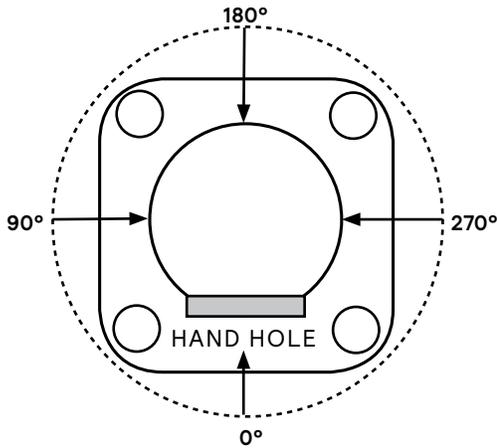
WARRANTY

Gardco poles feature a 1 year limited warranty. See Warranty Information on www.signify.com/warranties for complete details and exclusions.

Poles Straight Round Steel

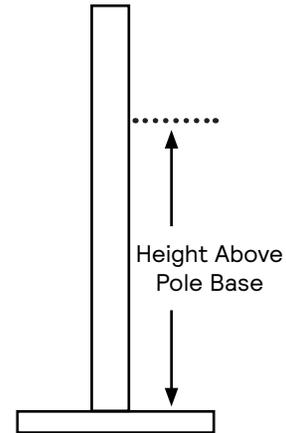
Orientation Information

Factory installed options and accessories



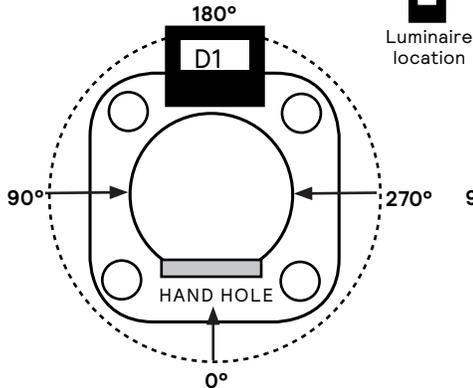
Orientation is measured clockwise from the Hand Hole Center.

For Factory Installed Options and Accessories, Specify Orientation from Hand Hole and Height Above Pole Base Where Required.

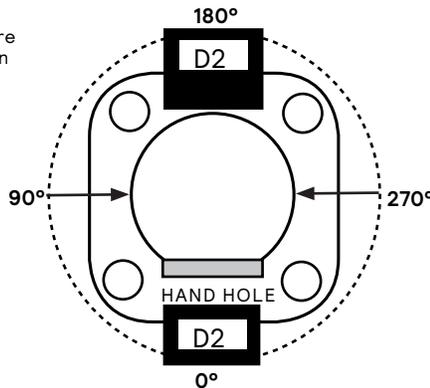


Standard arm mount luminaire orientation

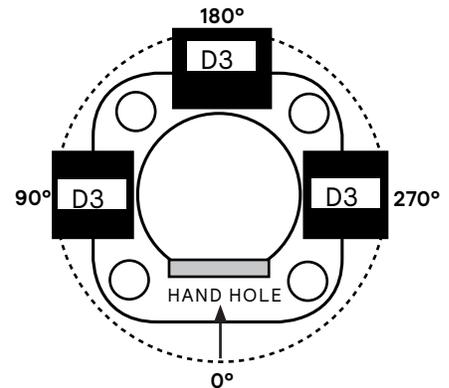
D1 Drilled for Single Luminaire



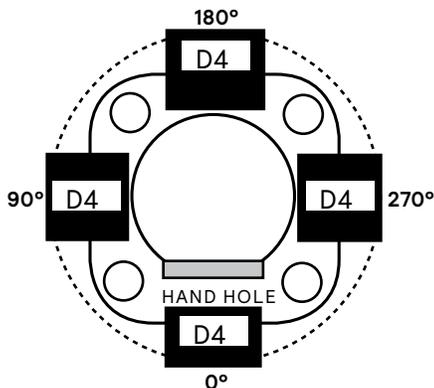
D2 Drilled for 2 Luminaires at 180°



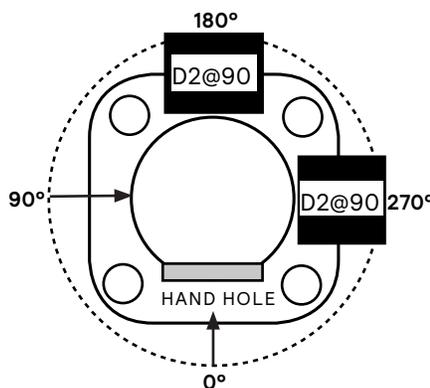
D3 Drilled for 3 Luminaires @ 90°



D4 Drilled for 4 Luminaires at 90°



D2@90 Drilled for 2 Luminaires at 90°



D3@120 Drilled for 3 Luminaires at 120°

