



STEEL ROUND STRAIGHT POLES

Features & Specifications

Pole Shaft

- Steel round poles are 4" or 5" in diameter.
- Pole shaft is electro-welded ASTM-A500 Grade C steel tubing with a minimum yield strength of 46,000 psi.
- On Tenon Mount steel poles, tenon is high-strength pipe. Tenon N option is 2-3/8" O.D. x 4-3/4" tall. Tenon 4N option is 4" O.D. x 4-7/8" tall.

Hand-Hole

- Standard hand-hole location is 12" above pole base.
- Poles 18' and above have a 3" x 6" reinforced hand-hole. Shorter poles have 2" x 4" non-reinforced hand-hole.

Base

- Pole base is ASTM-A36 hot-rolled steel plate with a minimum yield strength of 36,000 psi.
- Two-piece square base cover is optional. Decorative base cover is also available.

Anchor Bolts

- Poles are furnished with anchor bolts featuring zinc-plated double nuts and washers. Galvanized anchor bolts are optional.
- Anchor bolts conform to ASTM F 1554-07a Grade 55 with a minimum yield strength of 55,000 psi.

Ground Lug

- Ground lug is standard.

Duplex Receptacle

- Weatherproof duplex receptacle is optional.

Ground Fault Circuit Interrupter

- Self-testing ground fault circuit interrupter is optional.

Finishes

- Every ATG pole is provided with a 5-year limited warranty.
 - Each shaft is purchased to a stricter straightness tolerance than specified on industry material standards. Shafts with dents, dings, roll marks, or patterns on the exterior surface are rejected. Shafts are stored indoors to prevent corrosion.
 - After connecting holes are cut and hand holes and baseplates welded to the shafts, each pole undergoes a thorough shot-peening process, resulting in a near-white surface. This procedure removes all dirt and scale and strengthens the surface of the steel by inducing a compressive residual stress that helps prevent cracking and extend the life of the pole.
 - After shot peening, a neutral wash is applied followed by the application of a zirconium treatment that improves powder-coat adhesion and protects from corrosion.
 - Next, each pole is coated through electrostatic application of a polyester powder paint in standard bronze or the color approved by the customer. Paint thickness is measured in multiple locations along the pole to ensure specification adherence.
 - Finally, the pole is oven baked to form a homogenous, non-porous surface and wrapped for shipment in a woven fabric sleeve to protect the finish during transit.

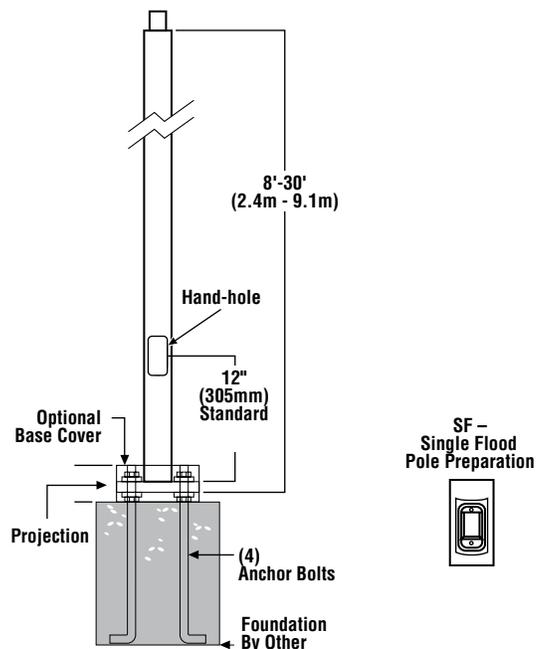


ARRA
Funding Compliant

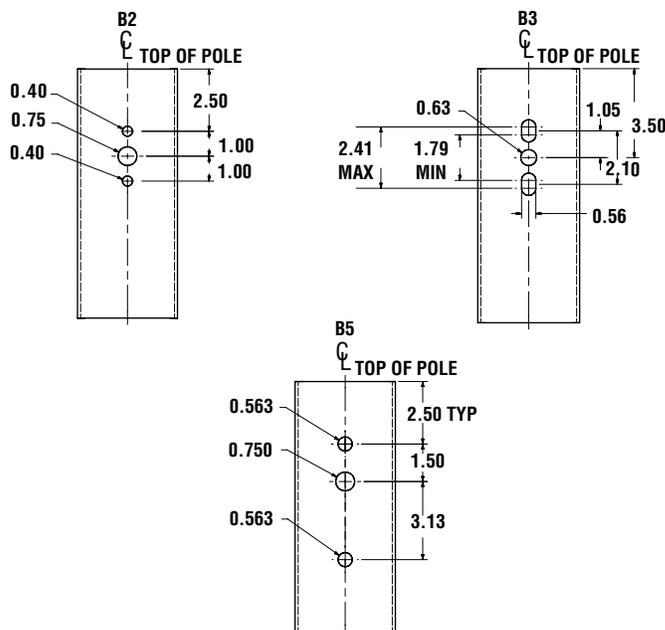


Product Dimensions

RPT -
N = 2-3/8"(60mm) O.D. x 4-3/4"(121mm) Tenon
4N = 4"(102mm) O.D. x 4-7/8"(124mm) Tenon
4N6 = 4"(102mm) O.D. x 6-3/8"(162mm) Tenon



Bolt-On Mount 2-Bolt Pattern





STEEL ROUND STRAIGHT POLES

Features & Specifications (Cont.)

Determining The Luminaire/Pole Combination For Your Application:

- Select luminaire from luminaire ordering information
- Select bracket configuration if required
- Determine EPA value from luminaire/bracket EPA chart
- Select pole height
- Select MPH to match wind speed in the application area (See windspeed maps).
- Confirm pole EPA equal to or exceeding value from note above
- Consult factory for special wind load requirements and banner brackets

SHIPPING WEIGHTS - Steel Round Poles	
4"(102mm) Dia. 10 Ga. is approximately	6.0 lbs./ft.
5"(127mm) Dia. 11 Ga. is approximately	7.0 lbs./ft.
5"(127mm) Dia. 07 Ga. is approximately	10.0 lbs./ft.
Anchor Bolts (3/4" x 30")(19mm x 762mm)	15 lbs.(7kg)/set
Anchor Bolts (1" x 36")(125mm x 914mm)	30 lbs.(14kg)/set

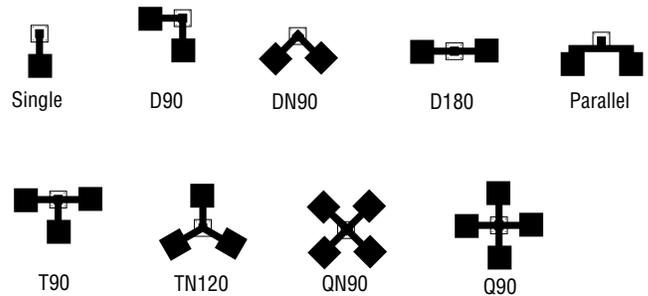
DRILLING LOCATIONS

Sides	A	B	C	D
Hand-hole	X			
Single	X			
D180	X		X	
D90	X			X DN90 ¹
T90	X	X		X
TN120 ²	X			
Q90	X	X	X	X QN90 ³
Single FBO	X			
Double FBO		X		X

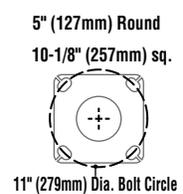
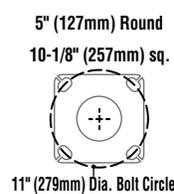
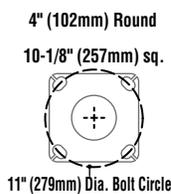
Notes:
1 - Two locations will be 45° to the left and right of Side A.
2 - Other two locations will be 120° to the left and right of Side A.
3 - Two locations will be 45° to the left and right of Side A and two locations will be 135° to the left and right of Side A.

Consult factory for custom variations. Standard SF and DF pole preparations are located 3/4 of the height of the pole from the base, except on 20' poles. Maximum height for SF and DF pole preparations on 20' poles is 13' from the base.

Fixture Configurations



Bolt Circle



Bolt Circle Designator	L	L	M
Bolt Circle	Slotted 11" (279mm)	Slotted 11" (279mm)	Slotted 11" (279mm)
Anchor Bolt Size	3/4" x 30" (19mm x 762mm)	3/4" x 30" (19mm x 762mm)	1" x 36" (25mm x 914mm)
Anchor Bolt Projection	3-1/4" (83mm)	3-1/4" (83mm)	4" (102mm)
Base Plate Opening for Wireway Entry	3-5/8" (92mm)	4-3/4" (121mm)	4-5/8" (117mm)
Base Plate Dimensions	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 1" thk. (257mm x 25mm)

Note: Base plate illustrations may change without notice. Do not use for setting anchor bolts. Consult factory for the appropriate anchor bolt template.

Project :	Fixture Type :
Catalog # :	Prepared By :
	Date :



STEEL ROUND STRAIGHT POLES

Ordering Guide - Clio Tenon Mount (Example)

TYPICAL ORDER EXAMPLE: **R4-B0-S10G-14-N-BRZ-4**

Pole Series	Mounting Method	Material	Height ⁴	Mounting Configuration	Pole Finish	Optional Accessories
R4 - 4" Diameter Round Straight Pole	BO - Bolt-On Mount¹ - See pole selection guide for patterns and fixture matches. T - Tenon Mount - See pole selection guide for tenon and fixture/bracket matches.	S10G – 10 Ga. Steel	12'	N – Tenon Mount	BRZ – Bronze	4" - Base Cover and Galvanized Anchor Bolts
			14'	*Consult factory for other mounting configurations	BLK – Black	
			16'		WHT – White	
					*Special colors available, consult factory	

FOOTNOTES:

- 1 - Special colors available, consult factory, standard flat black cap provided
- 2 - Galvanized anchor bolts and base covers are **optional accessories**
- 3 - Round poles can come with Tenon Mount adapter installed
- 4 - Pole heights will have +/- 1/2" tolerance
- 5 - See Flood Lighting Brackets Datasheet for choice of FBO brackets



STEEL ROUND STRAIGHT POLES

Wind Speed

EPA Information

All ATG poles are guaranteed to meet the EPA requirements listed. ATG is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located. **CAUTION:** This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. ATG cannot accept responsibility for harm or damage caused in these situations.

NOTE: Pole calculations include a 1.3 gust factor over steady wind velocity. Example: poles designed to withstand 80 MPH steady wind will withstand gusts to 104 MPH. EPAs are for locations 100 miles away from hurricane ocean lines. Consult ATG for other areas. Note: Hurricane ocean lines are the Atlantic and Gulf of Mexico coastal areas. For applications in Florida or Canada, consult factory.

Note:

1- Poles shorter than these listed here in for each gauge have EPA rating equal to or greater than what is provided in this table. To Confirm EPA ratings on shorter poles, contact ATG.

Use ONLY with "Wind Speed Map for ASCE 7-10"

POLE ¹	Mtg. Height Length (ft)	Wall Thick (ga)	MBOLT CIRCLE			EPA								
			Designator	Dia. (in)	Anchor bolt Dia (in)	110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
4" x 10-ga x 14'	14	10	L	11	0.75	7.7	5.2	4.7	3.9	3.2	2.7	2.3	2.0	1.7
4" x 10-ga x 16'	16	10	L	11	0.75	4.3	3.7	3.2	2.6	2.1	1.8	1.4	1.2	1.0
4" x 10-ga x 18'	18	10	L	11	0.75	7.7	6.8	6.0	5.0	4.2	3.5	3.0	2.5	2.2
4" x 10-ga x 20'	20	10	L	11	0.75	6.0	5.2	4.6	3.7	3.1	2.5	2.1	1.8	1.5
4" x 10-ga x 22'	22	10	L	11	0.75	4.6	3.9	3.3	2.6	2.1	1.7	1.4	1.1	0.9
4" x 10-ga x 24'	24	10	L	11	0.75	3.4	2.7	2.2	1.7	1.3	1.0	0.7	0.5	n/a
5" x 11-ga x 16'	16	11	L	11	0.75	8.7	7.9	7.2	6.0	5.0	4.3	3.7	3.2	2.8
5" x 11-ga x 18'	18	11	L	11	0.75	12.2	11.1	10.1	8.5	7.2	6.1	5.3	4.6	4.0
5" x 11-ga x 20'	20	11	L	11	0.75	10.0	9.1	8.2	6.8	5.7	4.9	4.2	3.6	3.1
5" x 11-ga x 22'	22	11	L	11	0.75	8.1	7.3	6.6	5.5	4.5	3.8	3.2	2.8	2.4
5" x 11-ga x 24'	24	11	L	11	0.75	6.5	5.9	5.3	4.3	3.5	2.9	2.4	2.0	1.7
5" x 11-ga x 26'	26	11	L	11	0.75	5.2	4.6	4.1	3.2	2.6	2.1	1.7	1.4	1.1
5" x 7-ga x 18'	18	7	M	11	1.00	19.7	17.9	16.4	13.8	11.7	10.1	8.8	7.7	6.8
5" x 7-ga x 20'	20	7	M	11	1.00	16.5	15.0	13.7	11.5	9.8	8.4	7.3	6.3	5.6
5" x 7-ga x 22'	22	7	M	11	1.00	14.0	12.7	11.5	9.6	8.1	7.0	6.0	5.2	4.6
5" x 7-ga x 24'	24	7	M	11	1.00	11.8	10.6	9.6	8.0	6.8	5.7	4.9	4.2	3.7
5" x 7-ga x 26'	26	7	M	11	1.00	9.9	8.9	8.0	6.7	5.6	4.7	4.0	3.4	2.9
5" x 7-ga x 28'	28	7	M	11	1.00	8.3	7.4	6.7	5.4	4.5	3.7	3.1	2.7	2.3
5" x 7-ga x 30'	30	7	M	11	1.00	6.8	6.1	5.4	4.4	3.6	2.9	2.4	2.0	1.7