Round Tapered Steel Pole

RTS

PROJECT INFORMATION

JOB NAME	
FIXTURE TYPE	Round Tapered Steel Pole
CATALOG NUMBER	
APPROVED BY	

SPECIFICATIONS

Pole Shaft:
Pole shaft is electro-welded ASTM-A595 Grade A steel tubing with a minimum yield strength of 55,000 psi. On Tenon Mount steel poles, tenon is 2-3/8" O.D. high-strength pipe. Tenon is 4-3/4" in length.

Hand-Hole:
Standard hand-hole location is 12" above pole base. Hand-hole size is 4" x 6" and reinforced.

Ground Lug:
Ground lug is standard.

Duplex Receptacle:
Weatherproof duplex receptacle is optional.

Anchor Bolts:
Steel Round Tapered poles of 11 gauge material are furnished with anchor bolts featuring zinc-plated double nuts and washers. Galvanized anchor bolts are optional. Poles of 7 gauge material are furnished with galvanized anchor bolts as a standard. Anchor bolts conform to ASTM F 1554-07a Grade 55 with a minimum yield strength of 55,000 psi.

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

Ground Fault Circuit Interrupter:
Self-testing ground fault circuit interrupter is optional

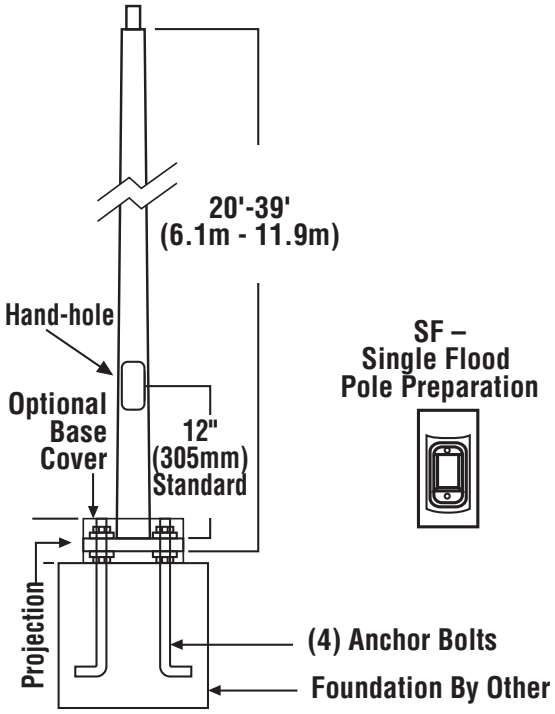
Finishes:
Baked-on polyester-powder finishing process which electrostatically applies and fuses a polyester powder to the pole. Provides a smooth and uniform finish to withstand extreme weather changes without cracking or peeling, and features a five-year limited warranty.

Pole Vibration Damper:
A pole vibration damper is recommended in open terrain areas of the country where low steady state winds are common. Non-tapered poles and lightly loaded poles are more susceptible to destructive vibration if a damper is not installed.

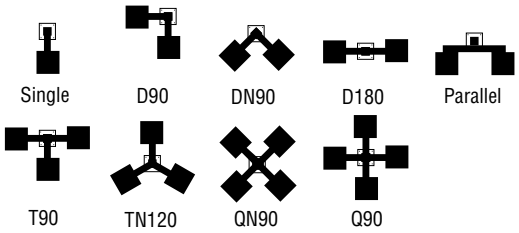
Listings:
UL Listed
BAA/TAA Compliant

DIMENSIONS

N = 2.375" O.D. x 4.75" Tenon



FIXTURE CONFIGURATIONS



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PO Box 2348 | Burlington, NC 27216
800-849-8485 | fax: 1-855-847-2794 | www.atlasled.com

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ORDERING INFORMATION

R	T	S	20	5	11			BZ		
SHAPE	SHAFT	STRUCTURE	HEIGHT (FT)*	DIAMETER/ WIDTH (IN)*	GAUGE	TENON DETAIL	BASE DETAIL	COLOR	DROP SHIP	DRILL PATTERN
R = Round	T = Tapered	S = Steel	20 = 20 ft 25 = 25 ft 30 = 30 ft 35 = 35 ft 39 = 39 ft **Other sizes available*	5 = 5 in 6 = 6 in 7 = 7 in 8 = 8 in 9 = 9 in **Other sizes available*	11 = 11 Ga 07 = 7 Ga	T = Welded Blank = None	Blank = Anchor E = Embedded	BZ = Bronze WT = White SL = Annodized Silver BK = Black	DSLB = Drop Ship (Bolts ship separately)	1 = 1 2 = 2 @ 90 3 = 2 @ 180 4 = 3 @ 90 5 = 4 @ 90 6 = Drop Mount

ORDERING INFORMATION

NOMINAL MOUNTING HEIGHT (FT)	CATALOG NUMBER	SHAFT			BOLT CIRCLE			MAXIMUM LOADING								
								110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
		BASE O.D. (IN)	TOP O.D. (IN)	WALL THK (GA)	DESIG.	DIA (IN)	ANCH. BOLT DIA (IN)	EPA (FT^2)	EPA (FT^2)	EPA (FT^2)	EPA (FT^2)	EPA (FT^2)	EPA (FT^2)	EPA (FT^2)	EPA (FT^2)	EPA (FT^2)
20	RTS20511BZ	5.80	3.00	11	N	11	1.00	14.5	13.1	12.0	10.0	8.5	7.3	6.3	5.5	4.8
22	RTS22611BZ	6.60	3.52	11	N	11	1.00	16.6	15.0	13.8	11.6	9.8	8.4	7.3	6.4	5.6
25	RTS25611BZ	6.60	3.10	11	N	11	1.00	13.1	12.0	10.9	9.0	7.6	6.5	5.6	4.9	4.2
27	RTS27711BZ	7.50	3.72	11	N	11	1.00	15.2	13.8	12.5	10.5	8.8	7.6	6.5	5.7	5.0
30	RTS30711BZ	7.50	3.30	11	N	11	1.00	12.3	11.1	10.1	8.4	7.0	6.0	5.1	4.4	3.8
32	RTS32811BZ	8.50	4.02	11	Q	12	1.00	12.3	11.1	10.1	8.4	7.0	6.0	5.1	4.4	3.8
35	RTS35811BZ	8.50	3.60	11	Q	12	1.00	10.1	9.1	8.2	6.7	5.6	4.7	3.9	3.4	2.9
39	RTS39911BZ	9.00	3.54	11	Q	12	1.00	7.6	6.8	6.1	4.9	4.0	3.3	2.7	2.3	1.9
39	RTS39907BZ	9.00	3.54	7	S	12	1.25	10.2	9.1	8.2	6.7	5.6	4.7	3.9	3.3	2.8

Actual performance data can vary depending on operating conditions. Specifications are subject to change without notice.

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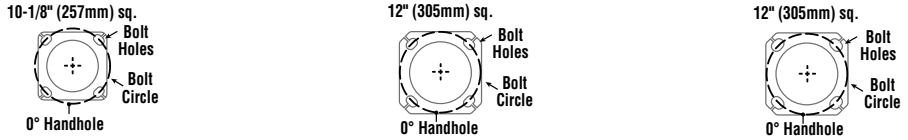
BOLT CIRCLE

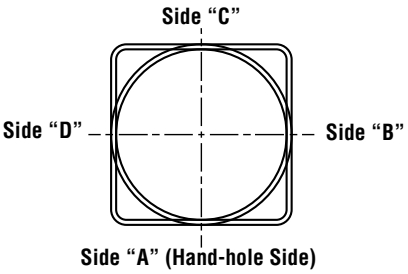


	11" (279mm) Dia. Bolt Circle	12" (305mm) Dia. Bolt Circle	12" (305mm) Dia. Bolt Circle
Bolt Circle Designator	N	Q	S
Bolt Circle	Slotted 11" (279mm)	Slotted 12" (305mm)	Slotted 12" (305mm)
Anchor Bolt Size	1" x 36" (25mm x 914mm)	1" x 36" (25mm x 914mm)	1-1/4" x 42" (32mm x 1067mm)
Anchor Bolt Projection	4" (102mm)	4" (102mm)	5" (127mm)
Base Plate Dimensions	10-1/8" sq. x 1" thk. (257mm x 25mm)	12" sq. x 1" thk. (305mm x 25mm)	12" sq. x 1-1/4" thk. (305mm x 32mm)
Pole Gauge	11	11	7 (39' only)

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

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.

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