

SPECIFICATIONS

Shaft

Spun tapered from 6063 alloy aluminum tubing. Heat treated to produce a T6 temper. Shaft is furnished with ground lugs located on cast aluminum base plate.

Embed and Direct Burial Detail

Designed for durability and stability, the bottom of the embedded pole is engineered with a flattened, oval cross-section to prevent rotation and ensure secure placement. Wire access holes are conveniently located 24 inches below the ground line for easy installation and maintenance. Due to varying soil conditions at different sites, it is essential that foundation requirements be assessed by a qualified Structural Engineer familiar with the specific soil characteristics of the job site. This ensures optimal performance and longevity of the installation.

Drilling Side Mount

A removable pole cap is included. Pole will be drilled to match U.S. Architectural fixtures. For other Drilling required, please specify DP after specified drill pattern. (example: 2-180DP)

Pole Top Mount

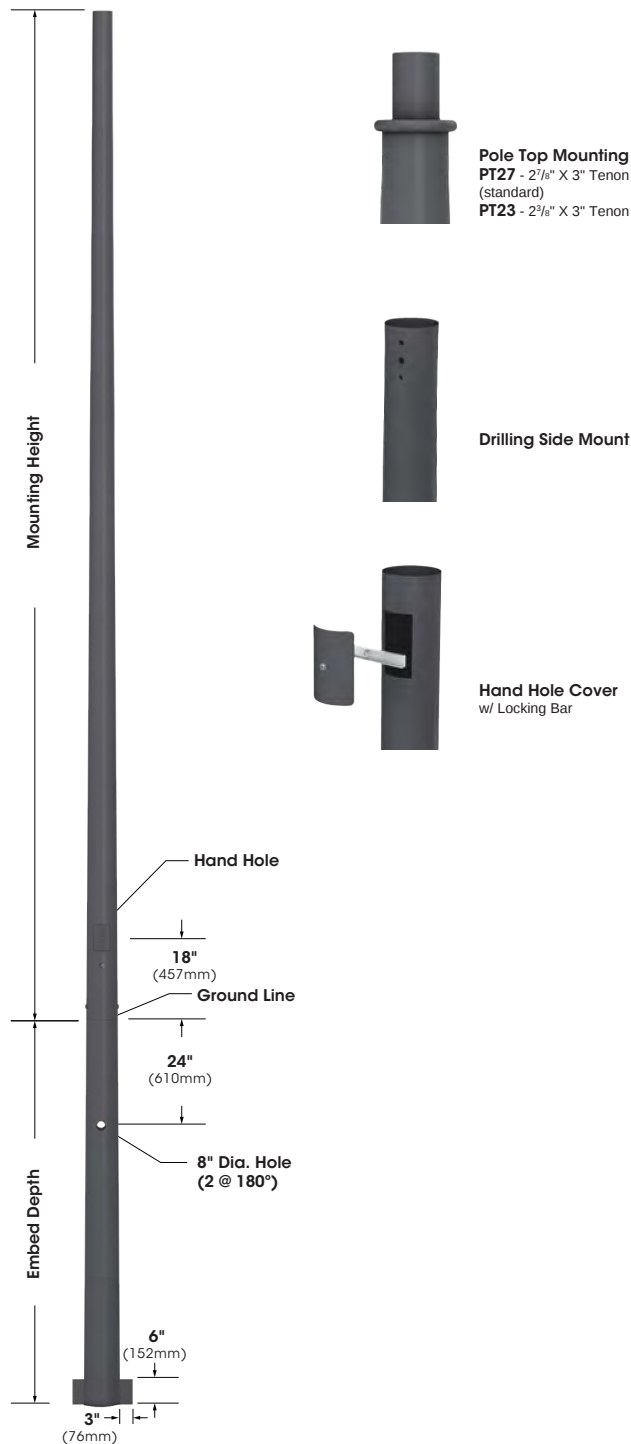
Standard pole top mount - PT27, fabricated from 2.5" (2.875" O.D.) aluminum pipe - tenon options for PT276 and PT23 pole tops please see Mounting column. For other pole top configurations please consult factory.

Hand Hole Cover

Rectangular 3" x 5" stamped heavy gauge aluminum material Hand Hole Cover, 2 1/4" x 4 1/4" access opening. Sealed door is secured by a formed aluminum bar and a stainless steel, tamper proof screw.

Finish

Super TGIC polyester powder coating is applied onto a metal substrate this has been pretreated with a four-stage process for maximum adhesion and color retention. The top coat is baked at 400° F for maximum hardness and exterior durability.



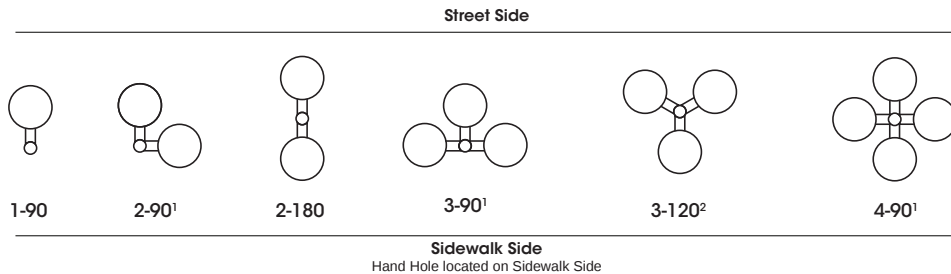
Pole Model	Pole Dia.		Pole Height	Embed Depth
	Bottom	Top		
BF-ERTA	4" - 6"	3" - 4"	14' - 30'	5' - 7'

DRILLING SIDE MOUNT

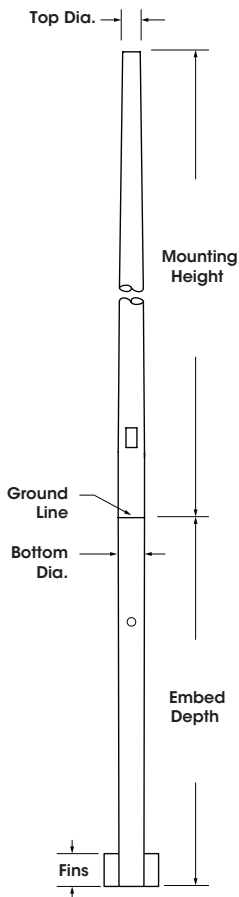
Notes

- 1- Poles smaller than 5" Dia. at top, or Non Linear Drilling requires PT27 and T490 Adapter. (Adapter is rotatable)
- 2- Poles smaller than 5" Dia. at top, or Non Linear Drilling requires PT27 and T3120 Adapter. (Adapter is rotatable)

[Drilling template must be provided by customer]



BOLT CIRCLE



Catalog Number		POLE							EMBED DIMENSION DETAILS				
		Mounting Height		Bottom - Top				Wall Thickness (In/Ga)	Weight (Lbs)	Mounting Height		Embed Depth	Embed Dia.
										Feet	Meters		
BF-1043-188		10	3.05	4.00	3.00	10.16	7.62	0.188	37	10	3.05	5'	4"
BF-1243-188		12	3.66	4.00	3.00	10.16	7.62	0.188	42	12	3.66	5'	4"
BF-1443-188		14	4.27	4.00	3.00	10.16	7.62	0.188	47	14	4.27	5'	4"
BF-1253-188		12	3.66	5.00	3.00	12.70	7.62	0.188	54	12	3.66	5'	5"
BF-1453-188		14	4.27	5.00	3.00	12.70	7.62	0.188	61	14	4.27	5'	5"
BF-1553-188		15	4.57	5.00	3.00	12.70	7.62	0.188	64	15	4.57	5'	5"
BF-1653-188		16	4.88	5.00	3.00	12.70	7.62	0.188	67	16	4.88	5'	5"
BF-1853-188		18	5.49	5.00	3.00	12.70	7.62	0.188	73	18	5.49	5'	5"
BF-2064-188		20	6.10	6.00	4.00	15.24	10.16	0.188	109	20	6.10	7'	6"
BF-2264-188		22	6.71	6.00	4.00	15.24	10.16	0.188	117	22	6.71	7'	6"
BF-2464-188		24	7.32	6.00	4.00	15.24	10.16	0.188	125	24	7.32	7'	6"
BF-2564-188		25	7.62	6.00	4.00	15.24	10.16	0.188	129	25	7.62	7'	6"

ORDERING INFORMATION

Spec/Order Example: BF-ERTA1243-188/3-90/6005-S

Pole Model Number						Mounting	Finish	Options
Mounting Height	Bottom Dia.	Top Dia.	Embed Depth	Wall Thickness		Tenon Mount	Standard Smooth Finish	
A1043-188	10'	4.00"	3.00"	5.00'	0.188	PT27 27/8" X 3" Tenon (Standard)	9005-S Black	VBDS-M2 Vibration Dampener 2nd Mode Field Install
BF-1243-188	12'	4.00"	3.00"	5.00'	0.188	PT23 23/8" X 3" Tenon	9003-S White	
BF-1443-188	14'	4.00"	3.00"	5.00'	0.188	PT276 27/8" X 6" Tenon	7004-S Grey	Receptacle
BF-1253-188	12'	5.00"	3.00"	5.00'	0.188	Other Tenon Mt _____	8019-S Dark Bronze	GFI G.F.I. Receptacle w/ Cover
BF-1453-188	14'	5.00"	3.00"	5.00'	0.188		6005-S Green	GFI-IU G.F.I. Receptacle w/ In-Use Cover
BF-1553-188	15'	5.00"	3.00"	5.00'	0.188	Drill Mount	Premium Finishes	[Specify GFI location: Height and Direction] See Location Diagram below
BF-1653-188	16'	5.00"	3.00"	5.00'	0.188	1-90 	Custom Specify RAL# _____	T3120 3 Way Adapter
BF-1853-188	18'	5.00"	3.00"	5.00'	0.188	2-180 	ANZ Anodized	T490 4 Way Adapter
BF-2064-188	20'	6.00"	4.00"	7.00'	0.188	2-90 		[Drilling template must be provided by customer]
BF-2264-188	22'	6.00"	4.00"	7.00'	0.188	3-90 		Coupling
BF-2464-188	24'	6.00"	4.00"	7.00'	0.188	4-90 		CPLN12 1/2" Coupling
BF-2564-188	25'	6.00"	4.00"	7.00'	0.188	3-120 		CPLN34 3/4" Coupling
						3-120 requires PT27 and T3120 Adapter		CPLN114 1 1/4" Coupling
						2-90, 3-90, 4-90 requires PT27 and T490 Adapter		CPLN112 1 1/2" Coupling
						[Drilling template must be provided by customer]		CPLN2 2" Coupling
								[Specify Coupling location: Height and Direction] See Location Diagram below
								Nipple
								NPLE12 1/2" Nipple
								NPLE34 3/4" Nipple
								NPLE114 1 1/4" Nipple
								NPLE112 1 1/2" Nipple
								NPLE2 2" Nipple
								[Specify Coupling location: Height and Direction] See Location Diagram below

ACCESSORIES



GFI
Duplex GFI
w/ Cover



GFI-IU
Duplex GFI
w/ In-Use Cover



T3120
3 Way Adapter



T490
4 Way Adapter

[Drilling template must be provided by customer]



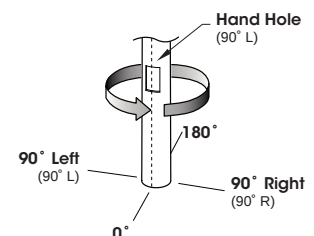
CPLN
1/2", 3/4", 1 1/4", 1 1/2",
or 2" Coupling



NPLE
1/2", 3/4", 1 1/4", 1 1/2",
or 2" Nipple

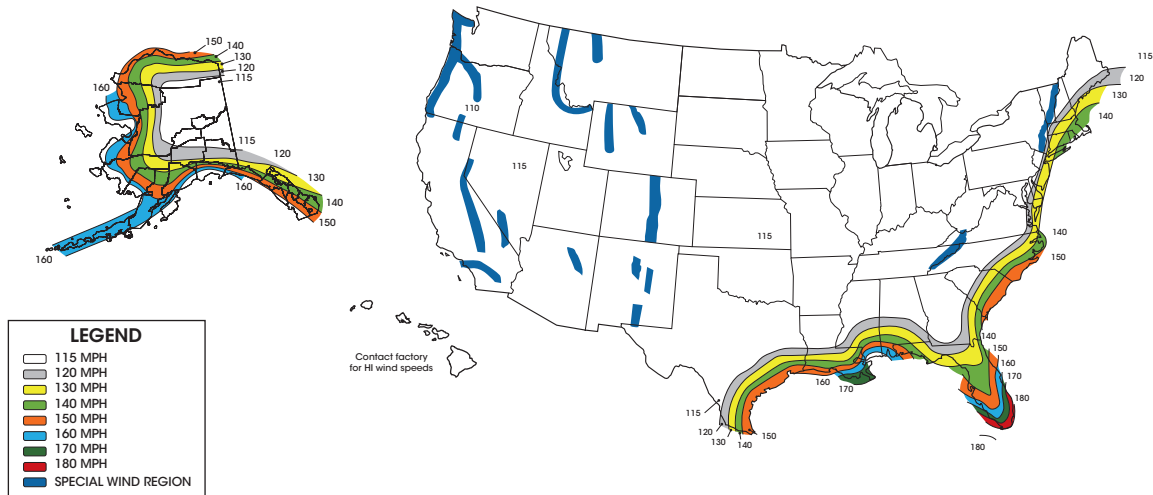
Location Diagram

Please use this diagram to indicate placement location



Refer to the Accessories Section for other options

WIND MAP



EPA INFORMATION (ft²) (per 2020 FL Building Code)

Cat. No.	Weight Capacity Maximum (lbs.)	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
BF-1043-188	300 - 210	15.0	15.0	12.5	10.9	8.8	7.4	6.0
BF-1243-188	300 - 168	15.0	12.0	10.0	8.7	7.0	5.9	4.8
BF-1443-188	300 - 140	12.4	10.0	8.3	7.2	5.8	4.9	4.0
BF-1253-188	300	15.0	15.0	15.0	15.0	13.0	10.5	9.5
BF-1453-188	300 - 294	15.0	15.0	15.0	13.1	10.6	9.4	8.4
BF-1553-188	300 - 235	15.0	15.0	13.0	10.5	9.0	8.3	6.7
BF-1653-188	300 - 189	15.0	13.5	11.0	8.7	8.2	6.7	5.4
BF-1853-188	300 - 137	12.8	10.2	8.2	6.5	6.1	4.9	3.9
BF-2064-188	300 - 207	14.5	12.0	10.2	8.7	7.5	6.6	5.9
BF-2264-188	300 - 172	11.9	9.8	8.4	7.3	6.2	5.5	4.9
BF-2464-188	300 - 144	9.9	8.1	7.0	6.1	5.2	4.6	4.1
BF-2564-188	287 - 116	8.2	6.7	5.8	5.1	4.3	3.8	3.3

* Please use the following to obtain the proper weight capacity:

The maximum fixture weight equals 60 lbs., or the product of 35 lbs. x the EPA value (from the chart above), whichever is greater, not to exceed 300 lbs.
Example, EPA = 2.2, maximum fixture weight = 35 lbs. x 2.2 EPA = 77 lbs.

Notes

- Specifier is responsible for correct pole selection. For proper pole choice, the specifier must consider the total EPA of fixtures, banners, arms, and any other accessories attached to pole assembly.
- Black Forge West Coast Metalworks discourages the attachment of unauthorized accessories; any such attachments will void the manufacturer's warranty.
- ALL EPAs are calculated for ground installations. For installations on bridges, buildings or other structures, the specifier must contact the factory or consult with a Structural Engineer.
- Unpredictable aerodynamic forces such as 2nd Mode (Aeolian) wind-induced vibrations are not included in wind velocity ratings or EPA ratings.
- Wind gust factors are considered in developing all EPA chart data.

To mitigate 2nd Mode (Aeolian) Vibration please read the following Recommendations:

- We do not recommend the installation of poles without a fixture; such installations have been known to fail due to destructive 2nd mode pole vibration.
- Pole installations with a combined (fixtures, banners, flags, etc.) EPA of less than 2.0 ft² and 25 feet or taller are strongly recommended to be installed with a Vibration Dampener. Please consult with your Structural Engineer for site-specific requirements.
- Black Forge West Coast Metalworks offers a 2nd Mode Vibration Dampener VBDS-M2 for purchase as a field-installable option.