

Catalog Number:

Project Name:

Note:

Date:

Type:

EMBEDDED ALUMINUM ROUND NON-TAPERED



Hand Hole Cover
with locking bar

SHAFT

Extruded from 6063 alloy aluminum tubing. Heat treated to produce a T6 temper. Shaft includes a hand hole furnished with cover. 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 section includes welded aluminum wings 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, 2¼" x 4¼" access opening. Sealed door is secured by a formed aluminum bar and a stainless steel, tamper proof screw.

FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

POLES COME STANDARD WITH:

- Pole cap
- Hand hold cover w/ hardware

CATALOG NO.	POLE DIAMETER	POLE HEIGHT	EMBED DEPTH
PT-ERNTA-4I	4"	8' - 14'	3'
PT-ERNTA-5I	5"	10' - 20'	4'
PT-ERNTA-6I	6"	20' - 25'	4'

STANDARD COLORS WITH SMOOTH OR TEXTURED FINISH

Black RAL-9005	White RAL-9003	Gray RAL-7004	Dark Bronze RAL-8019	Silver RAL-9006
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OTHER COLORS AVAILABLE AT AN ADDITIONAL COST.

Mounting
Height

Hand Hole

18"

24"

Embed
Depth

8" Dia. Hole
(2 @ 180°)



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PT-ERNTA-4I - 4" Pole Diameter Embedded Round Non-Tapered Aluminum Pole

Cat. No.	POLE				
	Height	Bottom/Top	Wall Thickness	Weight (lbs)	Embed Depth
PT-ERNTA-10F-4I-125	10'	4"	.125"	23	3'
PT-ERNTA-12F-4I-125	12'	4"	.125"	27	3'
PT-ERNTA-14F-4I-125	14'	4"	.125"	30	4'
PT-ERNTA-15F-4I-125	15'	4"	.125"	34	4'

PT-ERNTA-5I - 5" Pole Diameter Embedded Round Non-Tapered Aluminum Pole

Cat. No.	POLE				
	Height	Bottom/Top	Wall Thickness	Weight (lbs)	Embed Depth
PT-ERNTA-10F-5I-125	10'	5"	.125"	34	3'
PT-ERNTA-12F-5I-125	12'	5"	.125"	32	3'
PT-ERNTA-12F-5I-188	12'	5"	.188"	36	3'
PT-ERNTA-14F-5I-125	14'	5"	.125"	41	4'
PT-ERNTA-14F-5I-188	14'	5"	.188"	56	4'
PT-ERNTA-16F-5I-125	16'	5"	.125"	45	4'
PT-ERNTA-16F-5I-188	16'	5"	.188"	63	4'
PT-ERNTA-18F-5I-125	18'	5"	.125"	50	4'
PT-ERNTA-18F-5I-188	18'	5"	.188"	69	4'
PT-ERNTA-20F-5I-188	20'	5"	.188"	76	4'

PT-ERNTA-6I - 6" Pole Diameter Embedded Round Non-Tapered Aluminum Pole

Cat. No.	POLE				
	Height	Bottom/Top	Wall Thickness	Weight (lbs)	Embed Depth
PT-ERNTA-20F-6I-250	20'	6"	.250"	121	4'
PT-ERNTA-25F-6I-250	25'	6"	.250"	147	4'



STANDARD COLORS WITH SMOOTH OR TEXTURED FINISH

Black
RAL-9005

White
RAL-9003

Gray
RAL-7004

Dark Bronze
RAL-8019

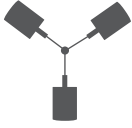
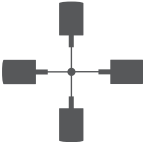
Silver
RAL-9006

**OTHER COLORS AVAILABLE AT AN
ADDITIONAL COST.**

Catalog Number:	Project Name:	Note:	Date:	Type:
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ORDERING SAMPLE: PT-ERNTA-10F-4I-125-TM-190DP-BK-SMF

PT-ERNTA-10F-4I-125	-		-		-		-	
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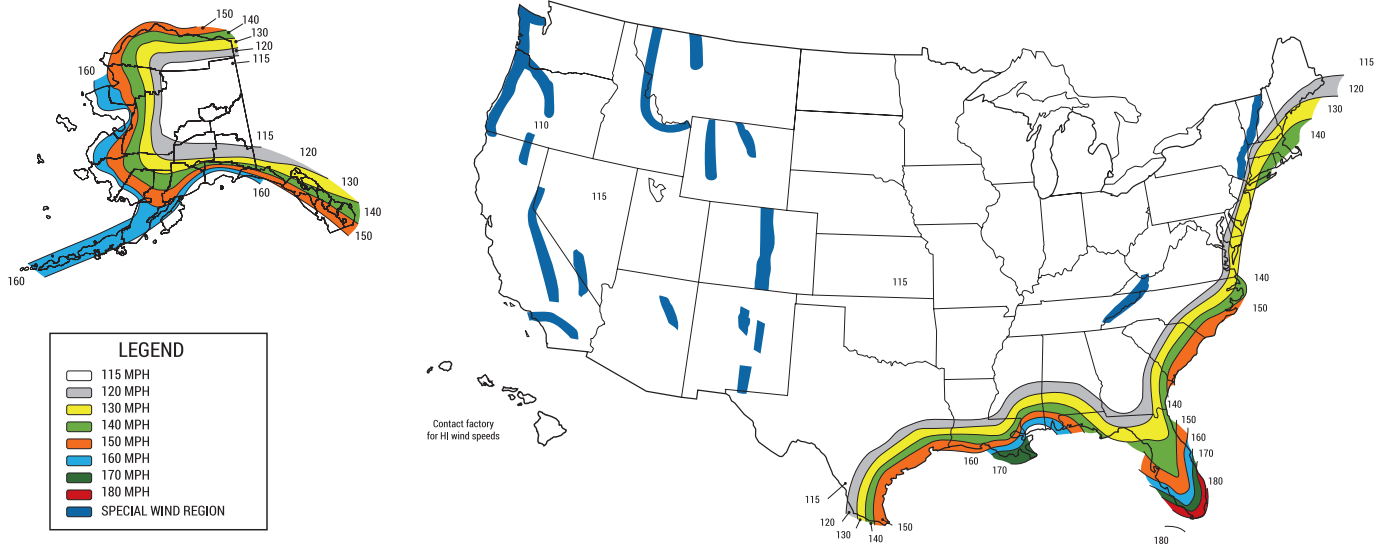
Poles	Mounting		Finish (No extra charge)	
Series	Mounting	Drill Pattern	Color	Body
PT-ERNTA-10F-4I-125	 TM - Tenon Mount (2-3/8")	 190DP (1-90)	 BK - Black RAL-9005	 SMF (Smooth Finish)
PT-ERNTA-12F-4I-125		 290DP (2-90)	 WH - White RAL-9003	 TXF (Textured Finish)
PT-ERNTA-14F-4I-125		 2180DP (2-180)	 GY - Gray RAL-7004	
PT-ERNTA-15F-4I-125		 390DP (3-90)	 DB - Dark Bronze RAL-8019	
PT-ERNTA-10F-5I-125		 3120DP (3-120)	 SI - Silver RAL-9006	
PT-ERNTA-12F-5I-125		 490DP (4-90)	Custom Color SPECIFY RAL _____	
PT-ERNTA-12F-5I-188				
PT-ERNTA-14F-5I-125				
PT-ERNTA-14F-5I-188				
PT-ERNTA-16F-5I-125				
PT-ERNTA-16F-5I-188				
PT-ERNTA-18F-5I-125				
PT-ERNTA-18F-5I-188				
PT-ERNTA-20F-5I-188				
PT-ERNTA-20F-6I-250				
PT-ERNTA-25F-6I-250				

NOTES

- When using non-Portor area lights, drill pattern template must be provided.
- 2-3/8" tenon mount is standard.
- 2-7/8" tenon mount is available but must be clearly noted on the order.
- Listed colors and finishes are available at no extra charge.
- If different color is needed, it can be done at an additional cost. Please provide RAL# to get a quote.

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WIND MAP



EPA INFORMATION (ft²)

(per 2020 FL Building Code)

Cat. No.	Weight Capacity Max (lbs)	100 MPH	110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
PT-ERNTA-10F-4I-125	203 - 66.5*	11.5	9.0	8.4	7.6	6.2	4.8	4.0	3.4	3.2	2.6
PT-ERNTA-12F-4I-125	150.5 - 60*	8.9	6.8	6.4	5.4	4.2	3.6	2.6	2.2	2.0	1.6
PT-ERNTA-14F-4I-125	105 - 60*	6.8	5.4	4.4	3.8	2.8	2.4	1.8	1.2	1.0	0.8
PT-ERNTA-10F-5I-125	300 - 147*	19.0	15.4	14.0	12.5	10.5	9.3	7.7	6.7	6.1	5.1
PT-ERNTA-12F-5I-125	262.5 - 105*	15.0	12.0	10.7	10.0	8.0	7.1	6.0	5.3	4.7	4.1
PT-ERNTA-14F-5I-125	203 - 73.5*	12.1	9.7	8.3	7.7	6.1	5.1	4.3	3.5	3.2	2.7
PT-ERNTA-14F-5I-188	300 - 133*	19.0	15.5	14.0	12.3	10.3	8.7	7.5	6.7	5.9	4.9
PT-ERNTA-16F-5I-125	136.5 - 60*	8.9	6.7	6.1	5.1	4.5	3.7	2.9	2.7	2.3	1.7
PT-ERNTA-16F-5I-188	241.5 - 94.5*	14.7	11.5	10.5	9.5	7.9	6.7	5.7	4.9	4.3	3.5
PT-ERNTA-18F-5I-125	84 - 60*	7.0	5.3	4.5	3.9	2.9	2.3	2.1	1.5	1.3	1.0
PT-ERNTA-18F-5I-188	189 - 66.5*	12.0	9.5	8.1	7.5	5.9	4.9	4.1	3.5	3.3	2.5
PT-ERNTA-20F-5I-188	140 - 60*	10.1	7.4	6.5	5.5	4.7	3.9	3.3	2.7	2.3	1.7
PT-ERNTA-20F-6I-250	300 - 147*	20.0	18.7	16.7	15.5	12.7	10.7	9.5	7.9	6.9	6.3
PT-ERNTA-25F-6I-250	220.5 - 84*	13.7	10.9	10.1	9.1	7.5	6.3	5.3	4.5	3.9	3.1

* 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, whichever is greater, not to exceed 300 lbs. Example, EPA = 2.2, 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.
- 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 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 installation have been known to fail due to high pole vibrations. Replace with note 1 above
- Pole installations with a combined (fixtures, banners, flags, etc.) of less than 0.75 ft2 EPA and 25 feet or taller should be installed with a vibration dampener. Please consult with your site structural engineer.