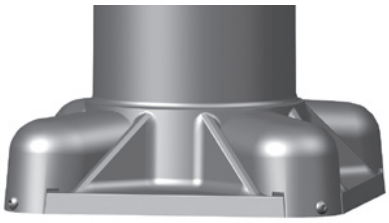
RTAP Specifications

Round Tapered Aluminum Pole



Nut Covers (standard)

Dart Square -2T
Optional Square Base Cover

Round Tapered Aluminum Pole

Pole Shaft

· Spun tapered from 6063 alloy aluminum tubing. Shaft is furnished with aluminum ground lug inside pole, opposite hand hole opening. Pole shaft includes a reinforced hand hole opening with cover.

Base

· One piece, high quality aluminum alloy casting for strength and durability. Base is circumferentially welded to pole shaft. Furnished with (4) flush mount vandal resistant anchor nut covers. Consult factory for pole base templates.

· Base templates provided with order. Do not pre-pour.

Pole Cap

· Color-impregnated polymer snap-to-close pole cap provided in black.

Finish

· All poles are ground and chemically pretreated through a multi-stage washer prior to painting. A Quali-Guard® textured thermoset polyester powder coat is then applied to a minimum of 3 mils and then oven-baked at a temperature of 400 ºF to promote exceptional adherence and finish hardness. Optional Zinc-Free Primer - Recommended within three miles of the ocean. Pole finish is warranted for a full two (2) years. An optional five (5) year extended warranty is also available.

Project Name:	
Catalog Number:	
Type:	
Date:	Location:

Anchor Bolts

Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an “L” bend on one end and are galvanized a minimum of 12” on the threaded end.

LED Specifications **RTAP**

MODEL

RTAP
Round Tapered
Aluminum Pole

HEIGHT

10’
12’
14’
16’
18’
20’
22’
25’
28’
30’
35’

GAUGE

***Consult Factory**

BASE

***Consult Factory**

ANCHORAGE

***Consult Factory**

MOUNTING

S1
Single
Bolt-On Arm

D2
Double 180°
Bolt-On Arm

D9
Double 90°
Bolt-On Arm

T1
Triple 120°
Bolt-On Arm

T9
Triple 90°
Bolt-On Arm

QD
Quad
Bolt-On Arm

Tenon Options

T238R
2 3/8”

T3R
3”

T3.5R
3 1/2”

FINISH

BZ
Bronze

BK
Black

SBK
Smooth Black

WH
White

SWH
Smooth White

GP
Graphite

GY
Grey

SL
Silver Metallic

GN
Tennis Green

FG
Forest Green

CC
Custom Color

FINISH OPTIONS

ANO
Anodized
*No Paint

XX+ANO
Powder Coat Paint
Over Anodized

ZFP
Zinc-Free
Primer Coat
*Consult Factory

ELECTRICAL OPTIONS

GFI
GFI Receptacle
*Standard location is in hand hole.
*Specify GFI location if different from hand hole location. Supplied with in use cover.

UL
UL Certified

OPTIONS

CUP1/2
Coupling 1/2”
*Specify location

CUP3/4
Coupling 3/4”
*Specify location

XHH
Extra Hand Hole
*Specify location

Dart Square - 2T
Square Base Cover

IVD
Internal Vibration Dampener

EB
Eye Bolt

BAA
Buy America(n)
Act Compliant

BABA
Build America
Buy American

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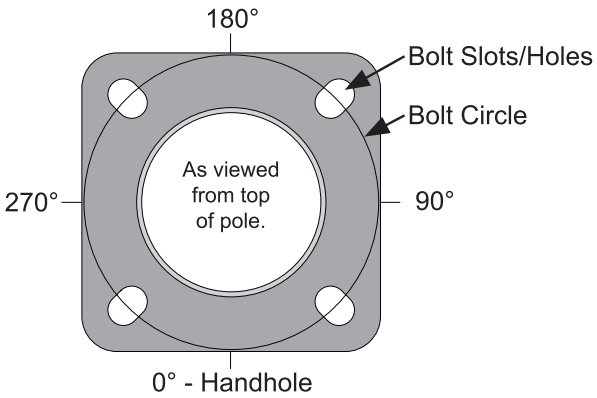
*Consult factory for EPA data.

For Direct Burial EPA, consult factory

· CAUTION: If any additional stress such as flags, banners, streamers, ropes, or any other such items are added to poles, Visionaire Lighting's normal product guarantee is null and void. Additionally, adding such items to any pole may create severely hazardous conditions. Poles are calculated to withstand steady wind velocities of between 70 and 100 mph wind zones with a 1.3 gust factor depending on height, wall thickness, and width/ diameter. For an exact rating on a specific order, contact Visionaire directly.

· Certain geographic areas experience unique wind conditions that can cause wind-induced vibrations leading to a fatigue problem. There is currently no known method to predict destructive vibration of lighting poles. These conditions are unique and cannot be guaranteed against, and it is the responsibility of a site engineer to address them locally.

Anchor Base Detail

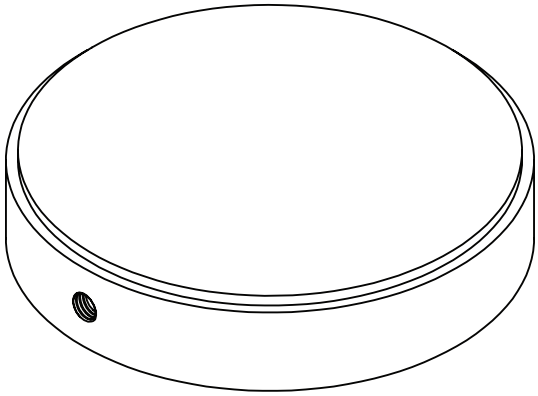


Eye Bolt

Specify orientation, height and location. 1 17/32" Max eye diameter. Standard position 6” downwards from top, same side as standard hand hole.

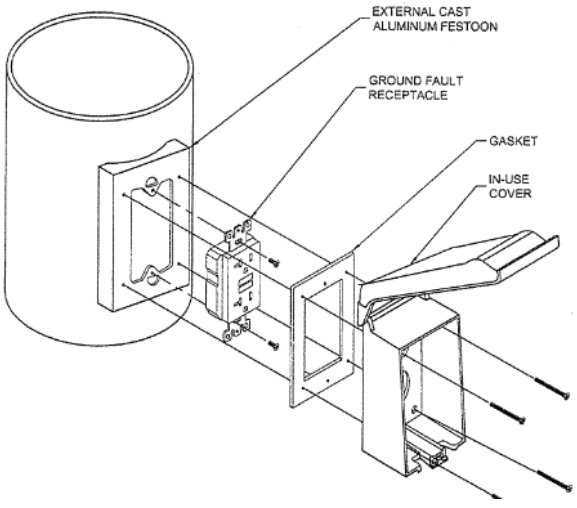
UL Certified

UL Certified option comes supplied with aluminum pole cap painted black as standard.



GFI Receptacle

Standard location is in hand hole. Supplied with in-use cover.

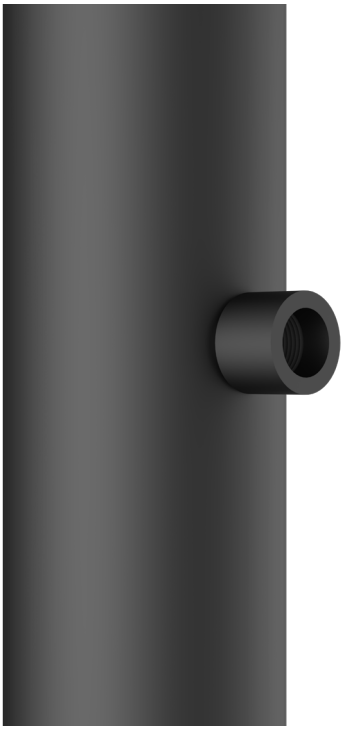


1/2” Coupling

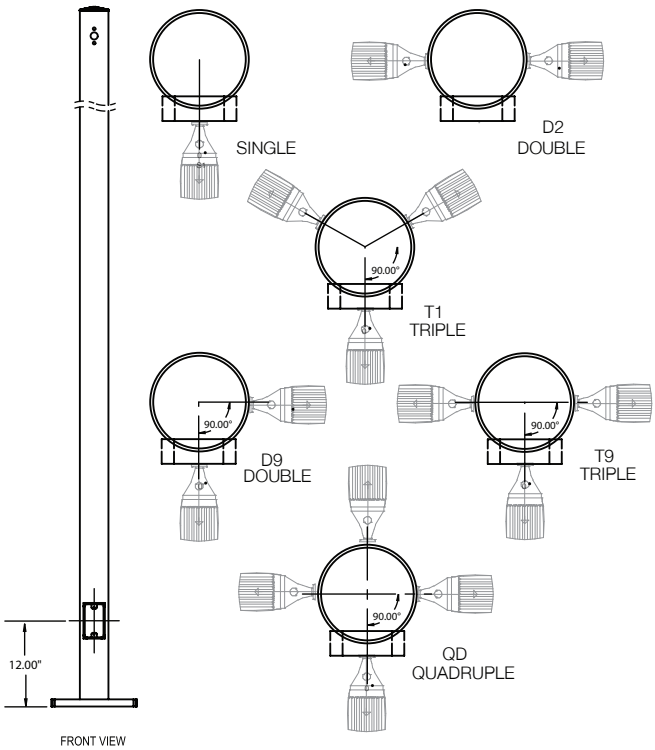
Specify orientation, height and location

3/4” Coupling

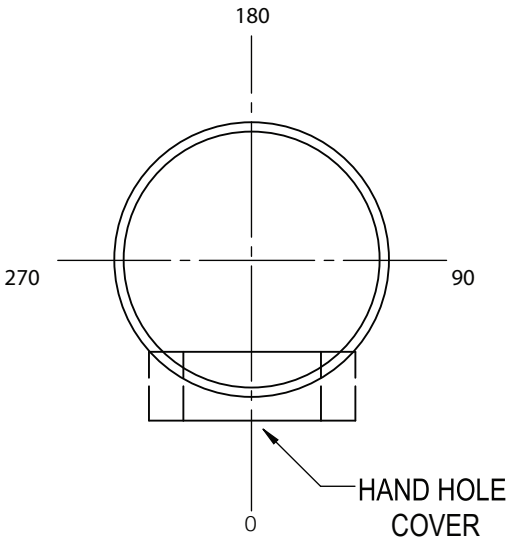
Specify orientation, height and location



Hand Hole And Fixture Orientation

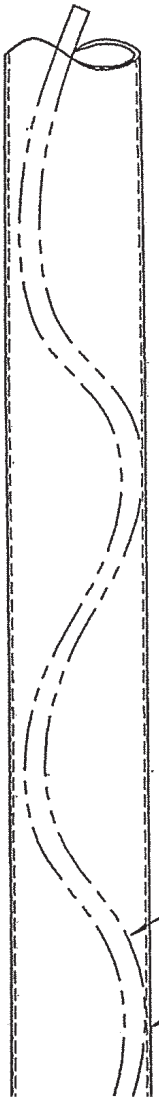


Hand Hole And Accesories Orientation



Internal Vibration Dampener

FIELD INSTALLED VIBRATION DAMPENER



INSTALLATION PROCEDURE:

CAUTION: BEFORE INSTALLATION, POWER TO THE POLE SHOULD BE DISCONNECTED AND AN INSPECTION MADE BY AN AUTHORIZED ELECTRICIAN TO ENSURE THAT THE WIRING AND ELECTRICAL COMPONENTS WILL ALLOW FOR EASY AND SAFE INSERTION OF THE DAMPENING SYSTEM. ITEMS SUCH AS TERMINAL BLOCK AND FUSE ASSEMBLIES MAY REQUIRE TEMPORARY REMOVAL.

1. REMOVE THE TRANSFORMER BASE DOOR FROM THE POLE IN WHICH THE DAMPENER IS TO BE INSERTED.

2. INSERT ONE END OF THE DAMPENER INTO THE POLE THROUGH THE TRANSFORMER BASE DOOR OPENING.

3. PUSH THE DAMPENER INTO THE POLE. (THE DAMPENER WILL "SNAKE" UP INSIDE THE POLE)

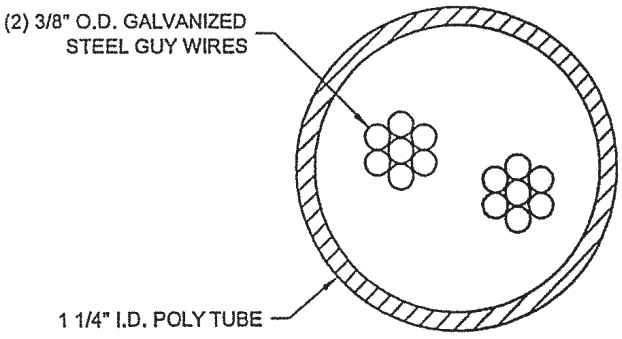
4. WHEN THE DAMPENER IS FULLY INSERTED, IT WILL SLIP DOWN TO REST ON THE FOUNDATION. IT IS IMPORTANT THAT THE DAMPENER BE LOWERED SLOWLY, WITH THE BOTTOM END HELD TIGHTLY TO ONE SIDE IN ORDER TO PREVENT DAMAGE TO THE ELECTRICAL COMPONENTS.

5. RETURN THE TRANSFORMER BASE DOOR TO THE POLE.

CAUTION: ELECTRICAL INSPECTION IS AGAIN REQUIRED TO CHECK THE SYSTEM AND VERIFY SAFE OPERATION.

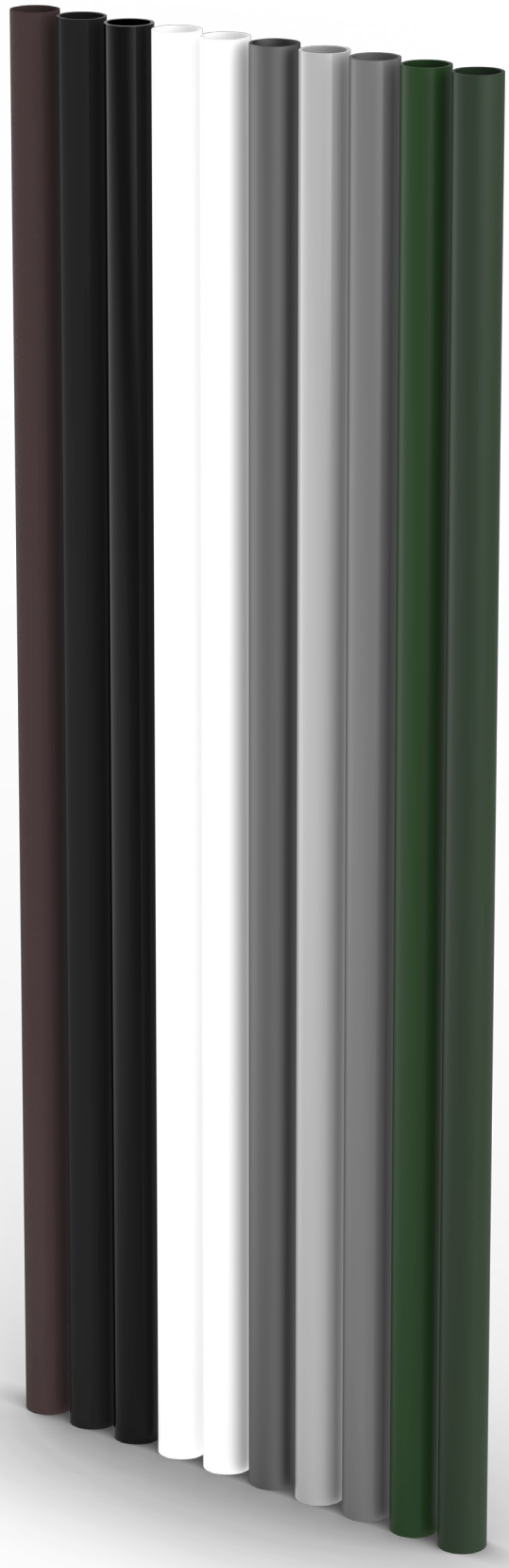
FIELD INSTALLED VIBRATION DAMPENER
(1 1/4" POLY TUBING 0.092" W/ (2) 3/8" DIA. GALVANIZED WIRES INSIDE)

ALUMINUM POLE SHAFT



VIBRATION DAMPENER CROSS SECTION

Standard Finish Colors



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Extra Hand Hole

XHH (Standard Dimensions are 3" X 5")
To Specify the XHH, you must choose the desired side of the pole in degrees, and the location of the center of the hand hole from grade in feet
. Refer to Fig. 1 and Fig 2.

Ordering Example : XHH-0DEG-YFT (XHH-0DEG-3FT)

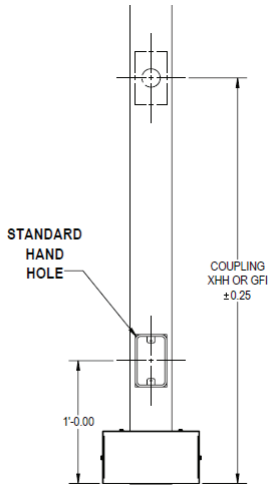

Fig. 1

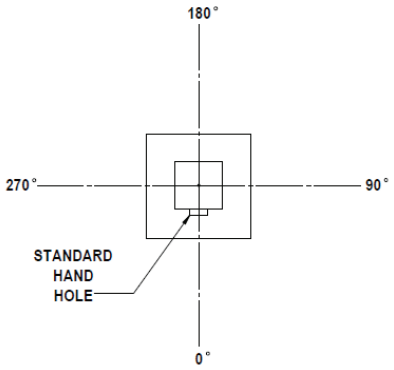

Fig. 2

Coupling

CUP (Coupling sizes are 1/2"NPT, 3/4NPT, 1"NPT")
To specify the CUP, you must choose size, orientation in degrees and location in feet for each coupling. Refer to Fig. 1 and Fig 2.

Ordering Example : CUPS-0DEG-YFT (CUP1/2-0DEG-7FT)

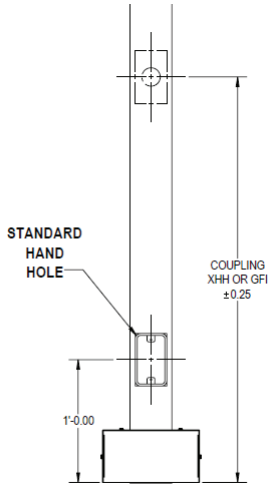

Fig. 1

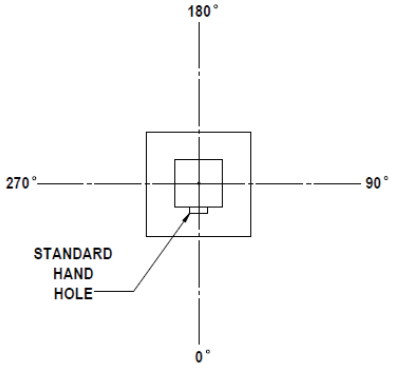

Fig. 2