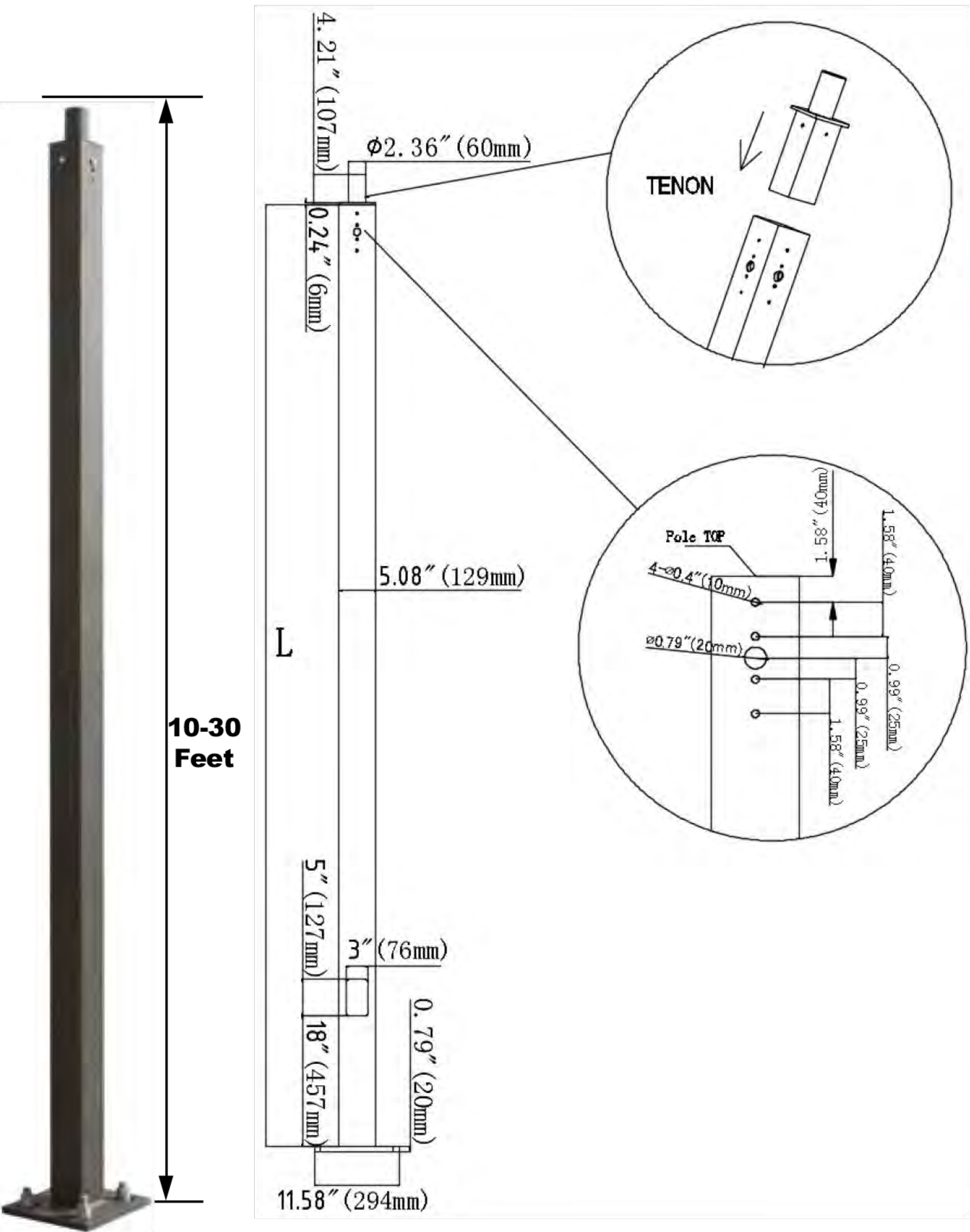


# Straight Square Steel Poles, 4" & 5"



The Straight Square Steel Poles Series are built from high strength steel tube and are available side drilled for arm mounted area lighting luminaires or with tenon mounts for flood and post top luminaires. Typical area lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 10 to 30 feet can be used based on selected luminaire application.

## Specifications and Features: Pole

**(Accessories need to purchased separately)**

### Specifications:

Conforms to ASTM-A 500 Grade B: Minimum Yield Strength of 46,000 PSI.

### Finish:

Textured Architectural Bronze Powdercoat Finish, Baked to Ensure Maximum Paint Adhesion, Hardness and Durability.

### Anchor Bolts:

Anchor Bolts are not Included, Sized Based on Pole Data Charts for the Selected Pole Size.

### Hand Hole:

Cast Iron Reinforced Hand Hole and Cover with Ground Screw.

### Base Cover:

Poles are Provided With a Two-Piece Formed Steel Base Cover that is Easily Assembled and Fitted Over Pole Base.

### Pole Length:

Poles are Available in Standard Lengths as Shown in the Order Matrix. Poles can be Custom Cut to Order. Consult Factory.

### Mounting Options:

Standard Length Poles Include 2 3/8" OD Tenon, Side Drilled 4@90 Degrees, Polycarbonate Top Cover and Hole Plugs for Unused Drilling Locations.

Cut To Order Poles can be Side Drilled for 2@180 Degrees or 4@90 Degrees, Includes Polycarbonate Top Cover and Hole Plugs for Unused Drilling Locations.

Cut To Order Poles May Also Be Ordered With 2 3/8" OD Tenons for Use With Post Top Decorative Luminaires, Flood/Area Slip Fitter Fixtures, or Any of a Wide Variety of Pole Top Mounting Accessories.

Our standard equipment is to make a top adapter with 2.5 inches. There is no opening on the top of the light pole. If ARM installation is needed, the top adapter shall be removed and holes shall be opened on the wall of the light pole. Finally, seal the top with a plastic rain cover.

4inch Flange dimensions	5inch Flange dimensions	Flange base cover size	Screw positioning plate size	The screw size

## Specifications:

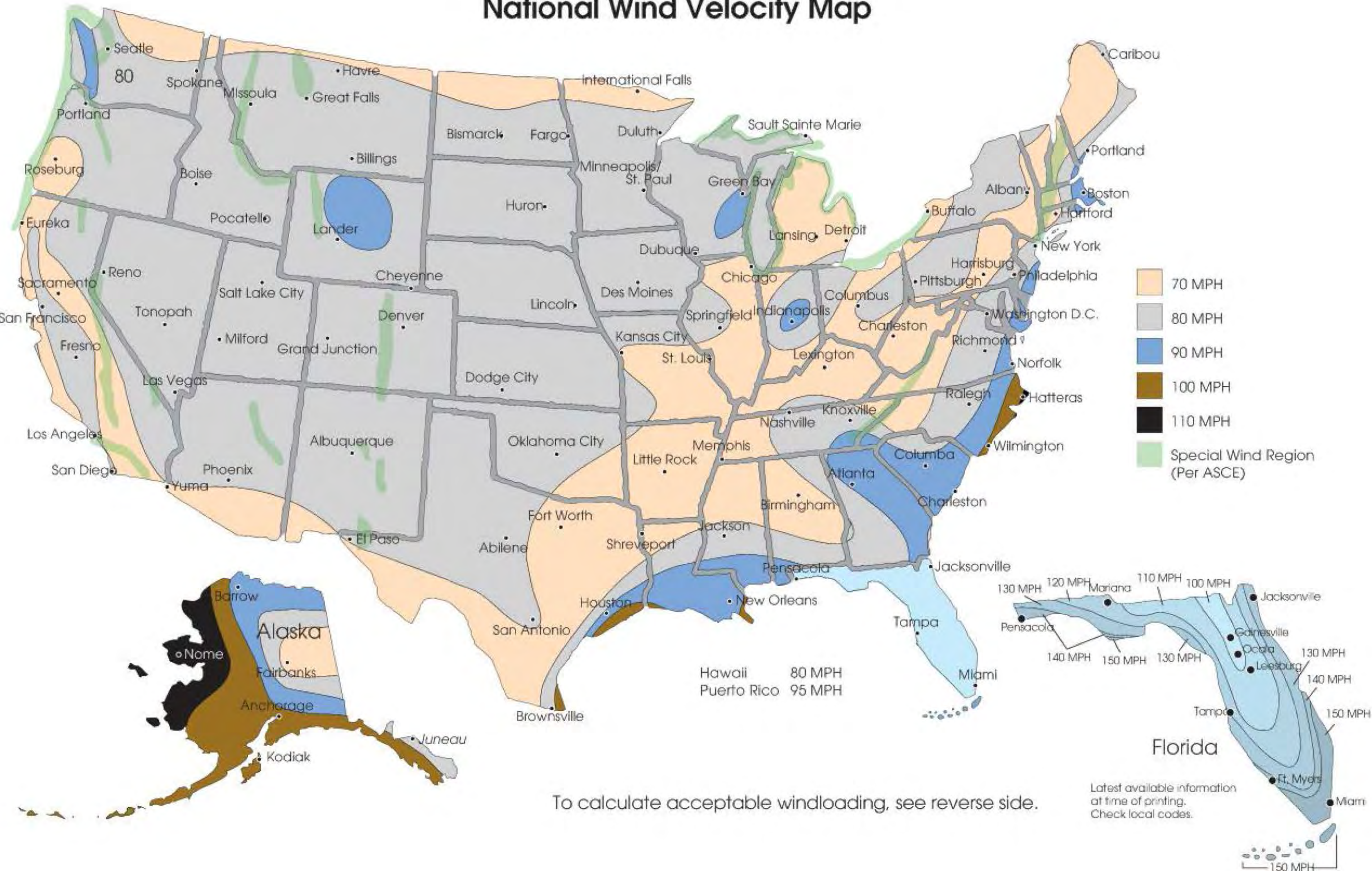
Specification type	10FT	15FT	20FT	25FT	30FT
	L=3.0 (m)	L=4.6 (m)	L=6.1 (m)	L=7.6 (m)	L=9.1 (m)



## Dimension data:

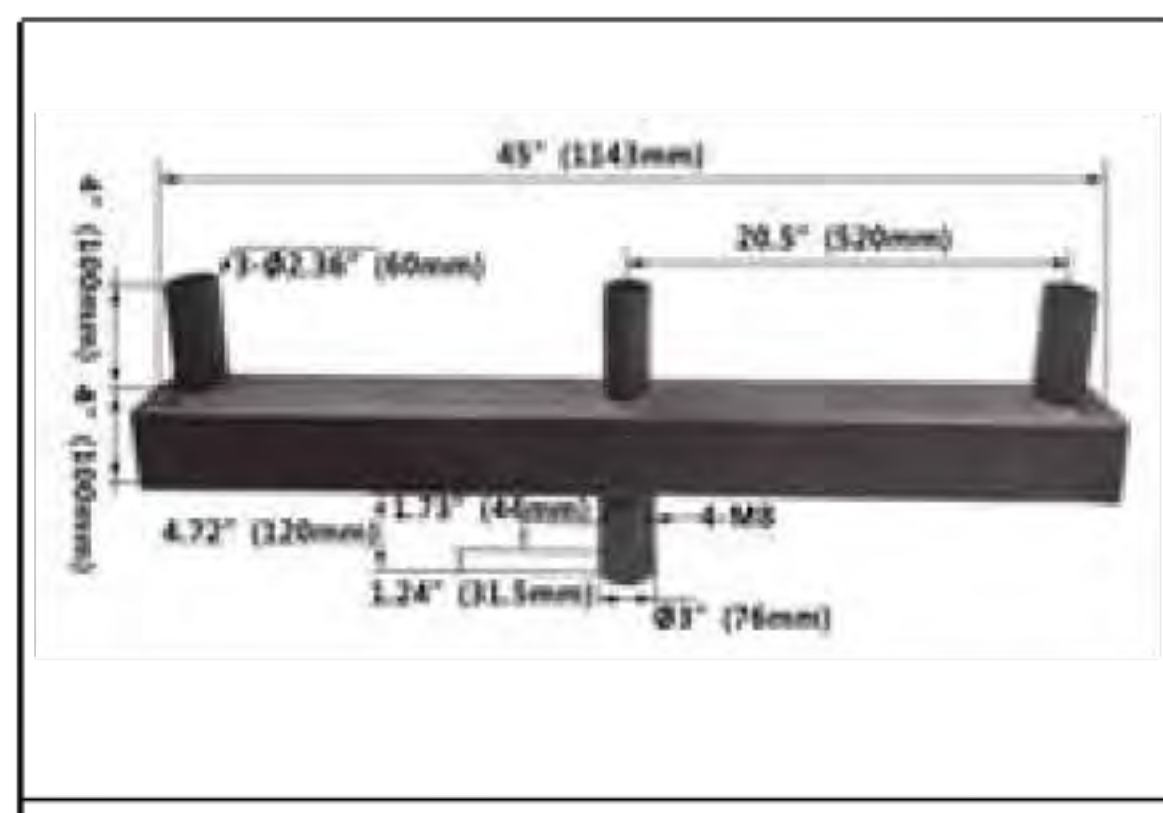
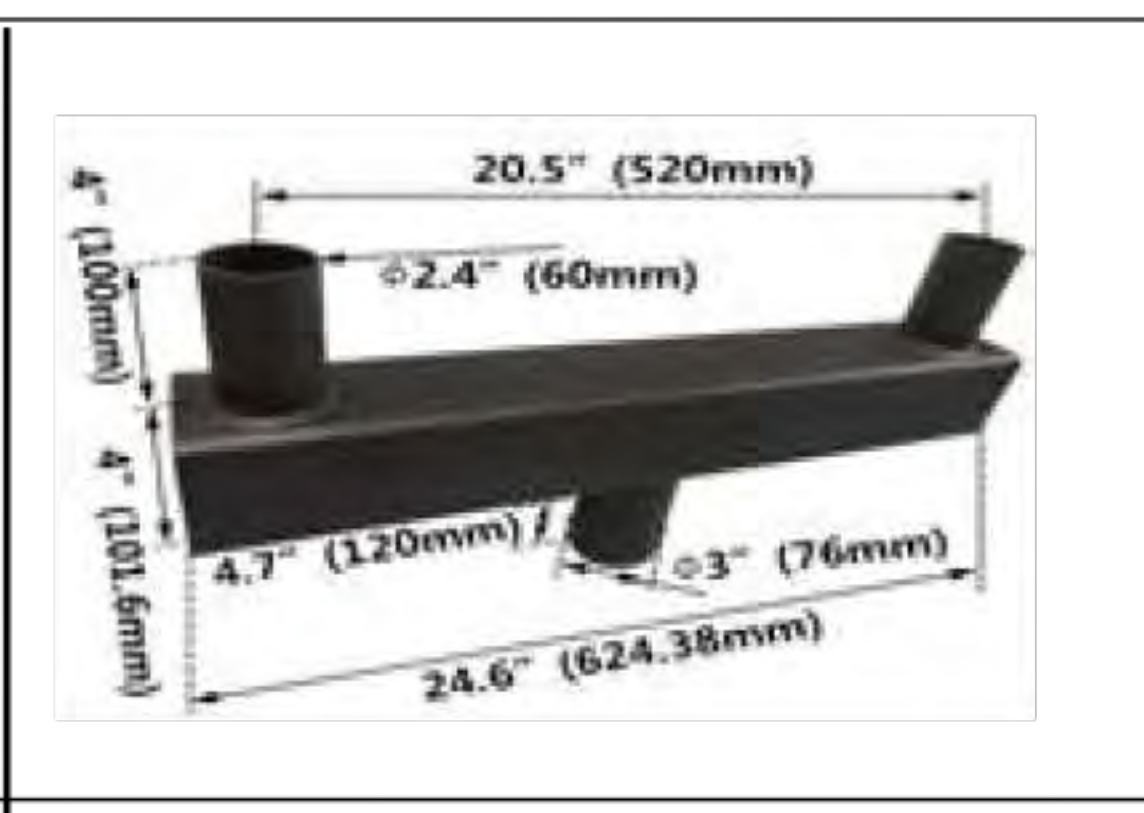
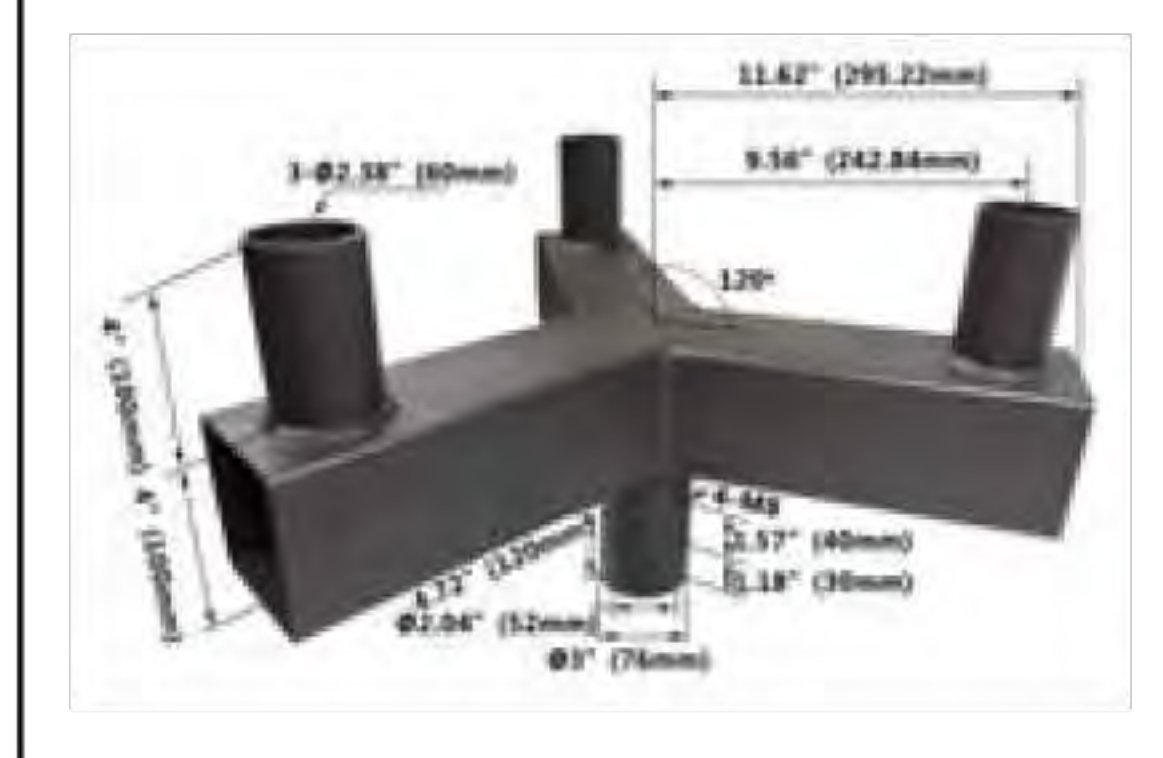

Catalog #	Mt. height	Wall thickness	Shaft size	Base size	Bolt circle	Bolt projection	Bolt size	Pole weight	EPA 70	EPA 80	EPA 90	EPA 100	EPA 110	EPA 120
MNT-PSS-10411-XX	10 ft.	11 gauge	4x4 in.	11 in.	8-11 in.	2.75 in.	3/4x17x3in.	88 lbs.	25.2	20.5	17.1	11.4	10.3	9.6
MNT-PSS-15411-XX	15 ft.	11 gauge	4x4 in.	11 in.	8-11 in.	2.75 in.	3/4x17x3in.	117 lbs.	15.2	12.5	10.1	8.5	6.9	5.4
MNT-PSS-20411-XX	20 ft.	11 gauge	4x4 in.	11 in.	8-11 in.	2.75 in.	3/4x17x3in.	152 lbs.	9.2	7.3	6	4.2	3	1.6
MNT-PSS-25411-XX	25 ft.	11 gauge	4x4 in.	11 in.	8-11 in.	2.75 in.	3/4x17x3in.	190 lbs.	8.9	6.9	5.7	4.1	3.6	2.2
MNT-PSS-30511-XX	30 ft.	11 gauge	5x5 in.	11 in.	10-12 in.	3.375 in.	3/4x17x4in.	267 lbs.	7.2	5.4	4.1	3.8	2.8	1.2

## National Wind Velocity Map





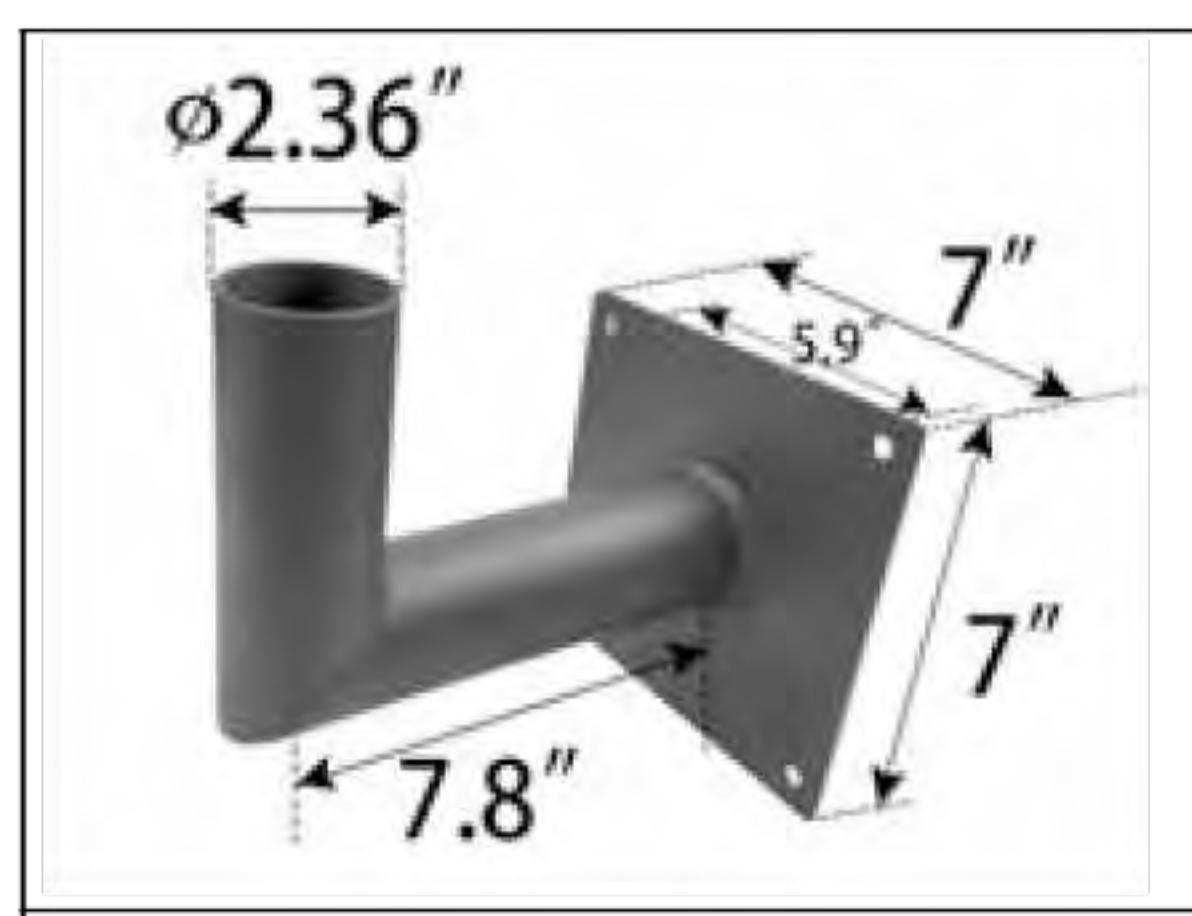
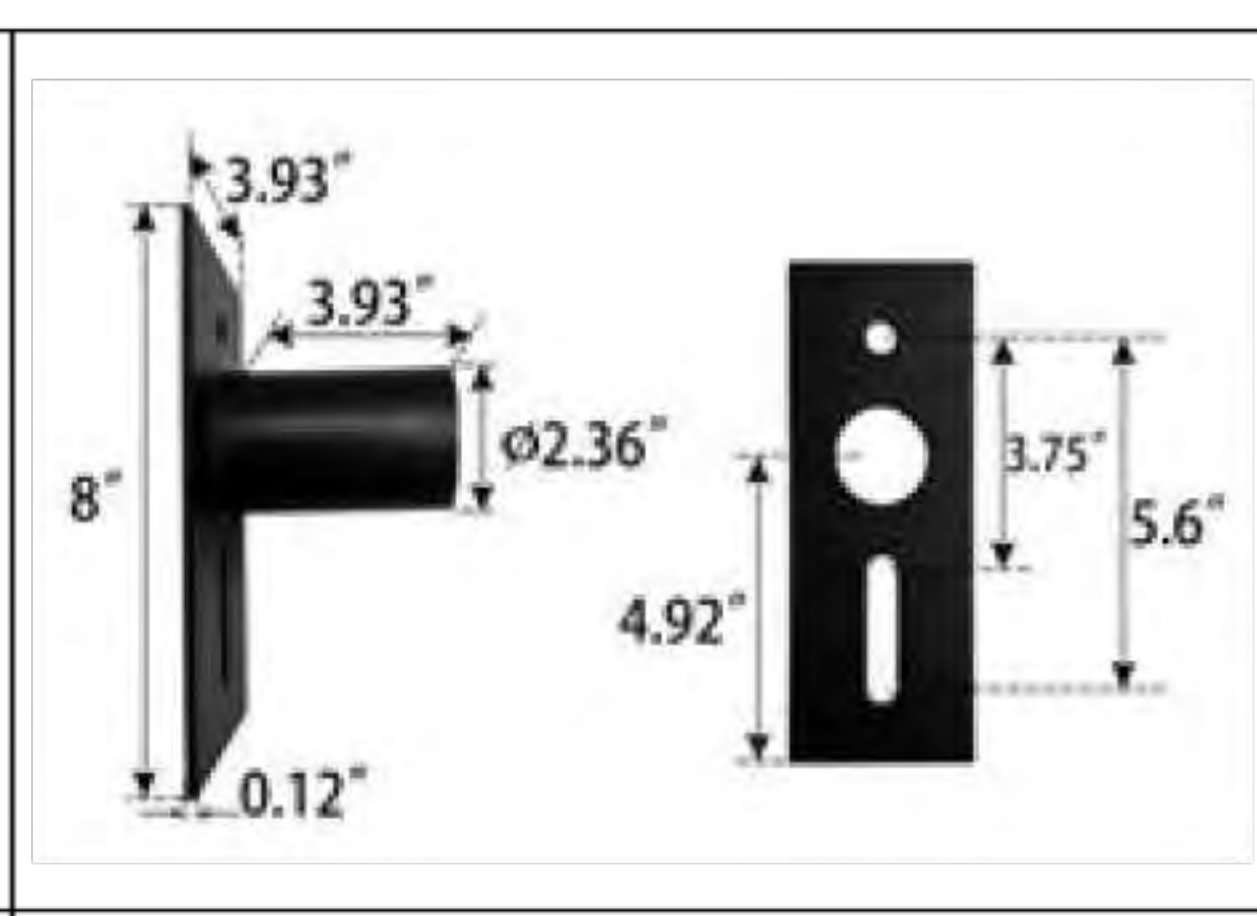
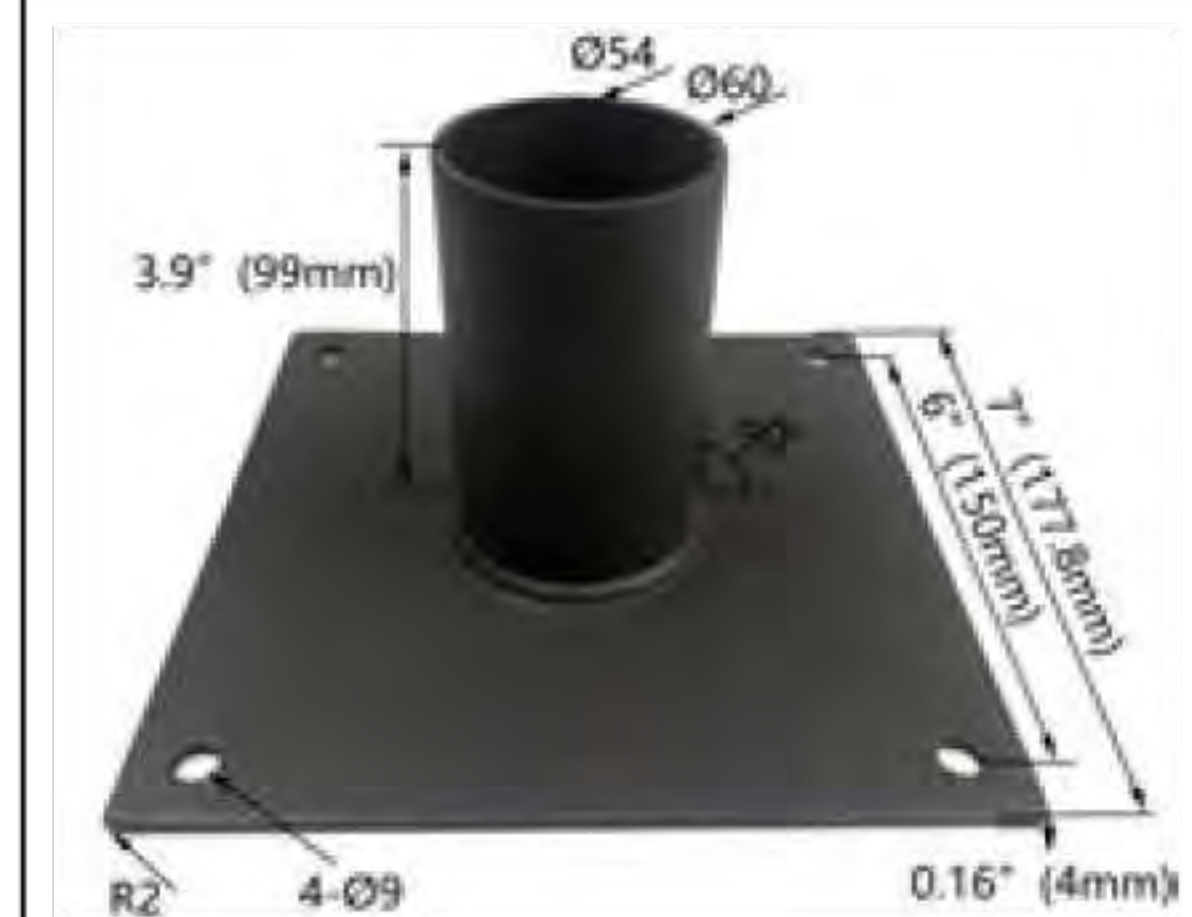

## SQUARE EXTERNAL MOUNT HORIZONTAL TENON • To mount 2/3/4 fixtures on an existing pole

	<p><b>Low Profile Bullhorn with 3 Tenons</b></p> <p>MAX EPA: 1.6 Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>		<p><b>Low Profile Bullhorn with 2 Tenons</b></p> <p>MAX EPA: 1.0 Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>
	<p><b>Triple 120° Horizontal Tenon Adaptor</b></p> <p>MAX EPA: 1.4 Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>		<p><b>Quad 90° Horizontal Tenon Adaptor</b></p> <p>MAX EPA: 1.8 Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>

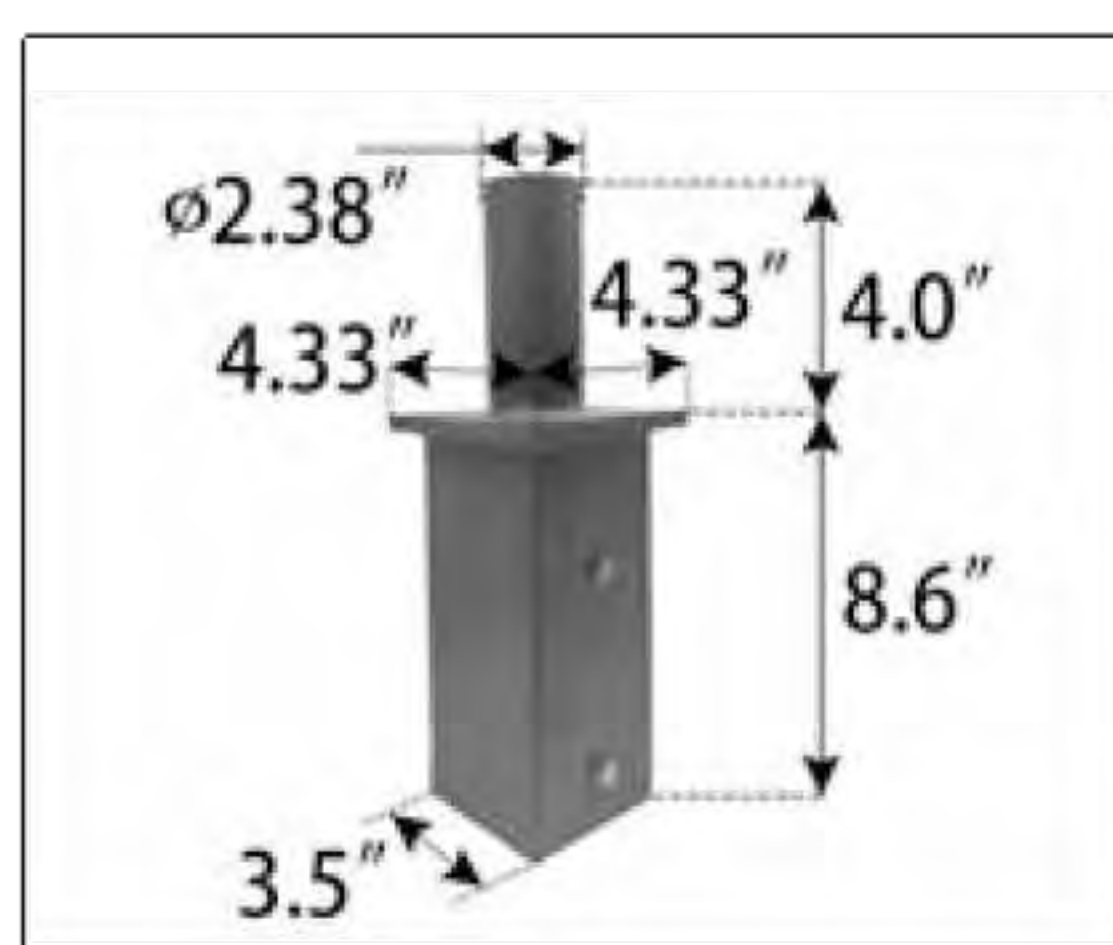
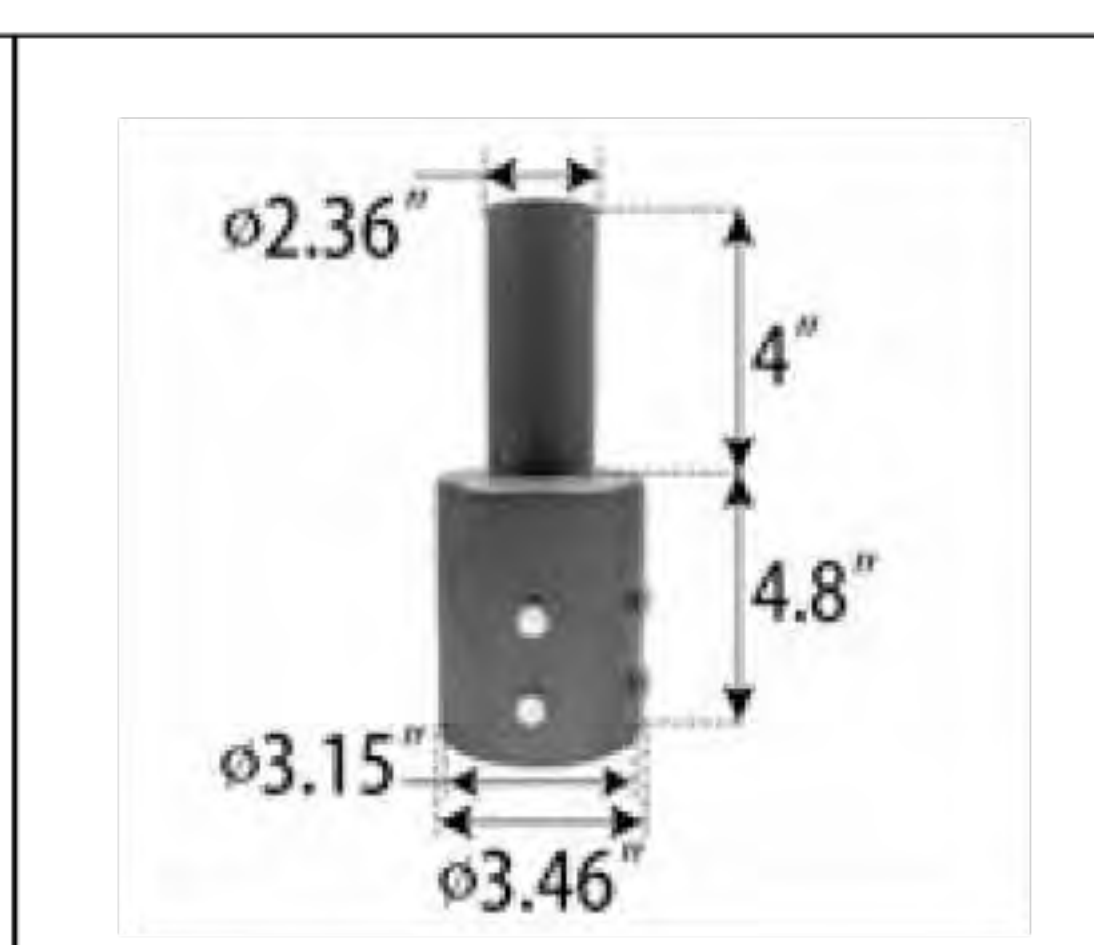
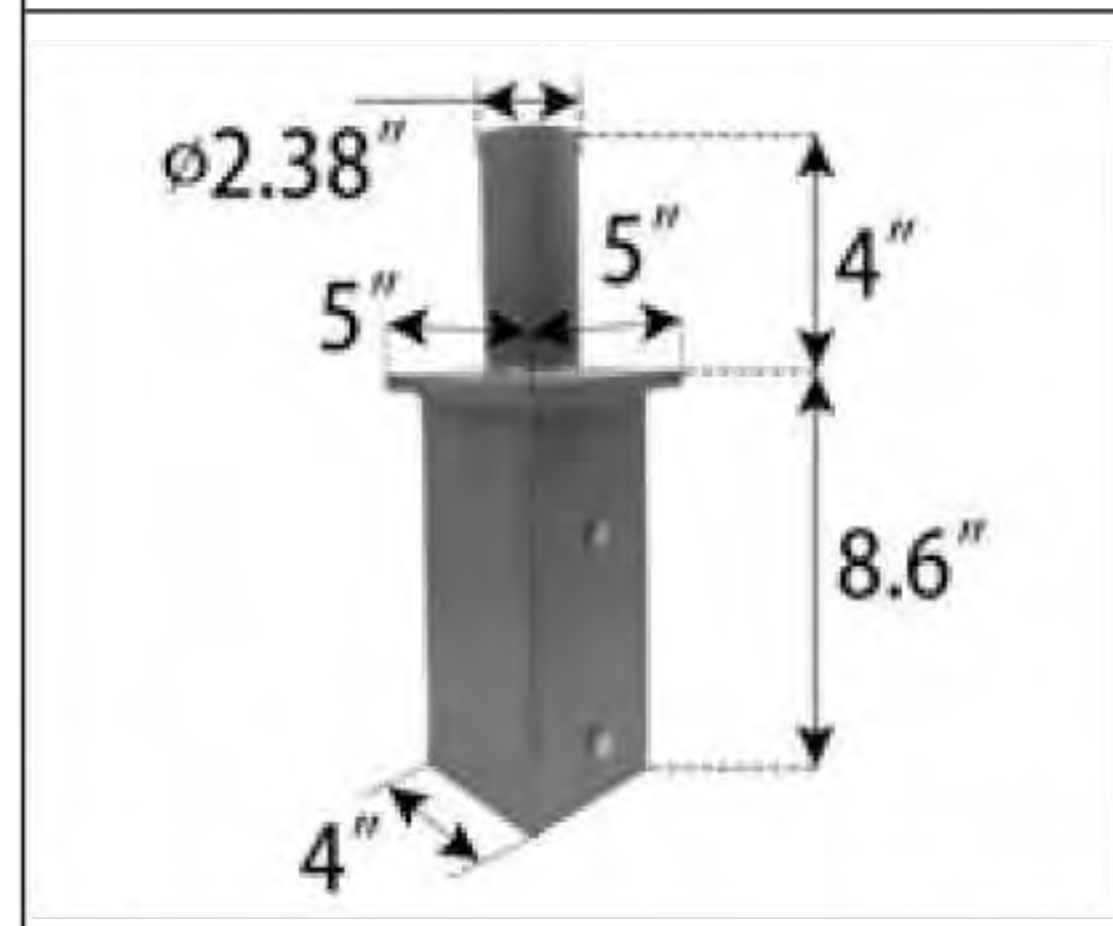
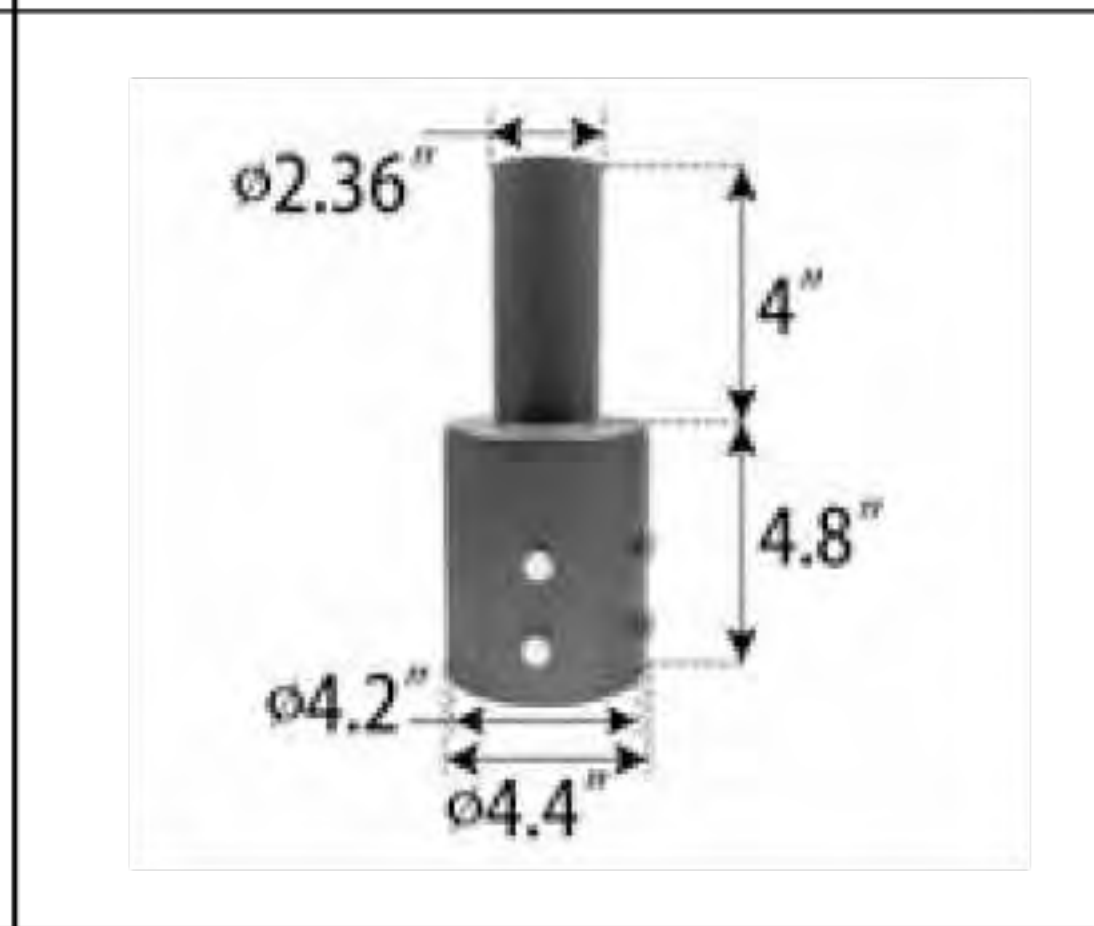


## WALL BRACKET

- Attaches to any flat surface
- Provides wiring access

## MID-POLE TENON BRACKET

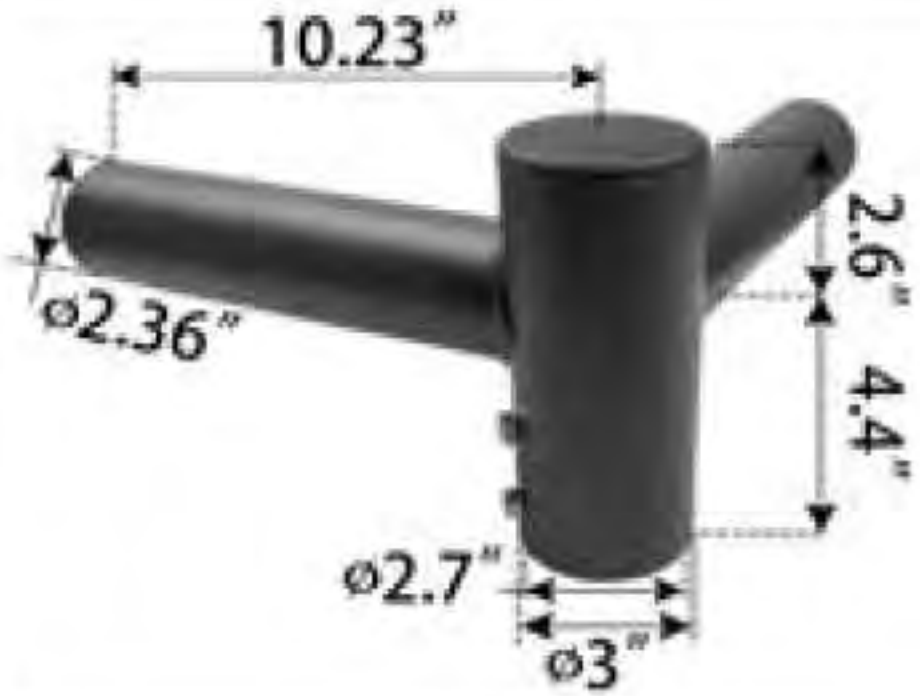

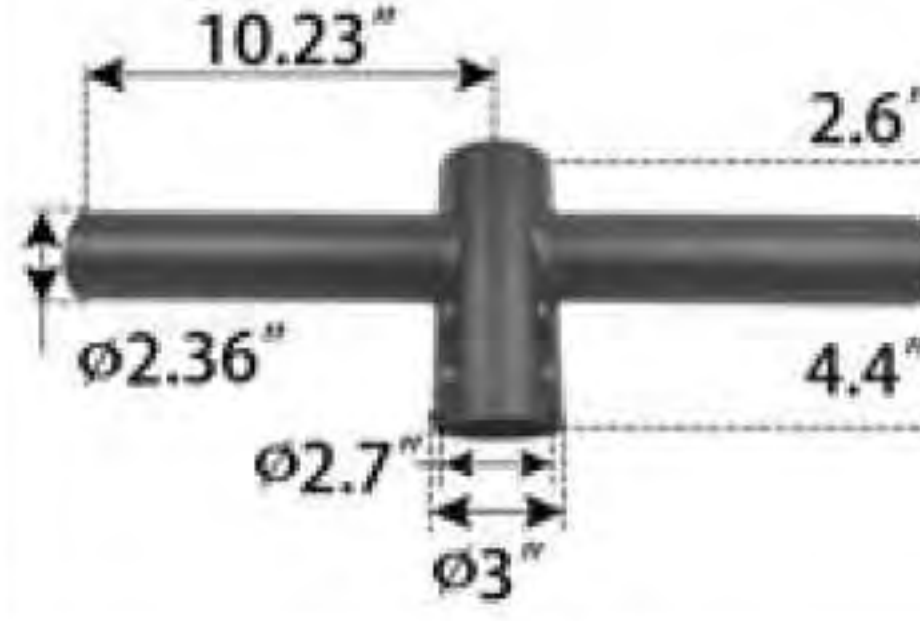


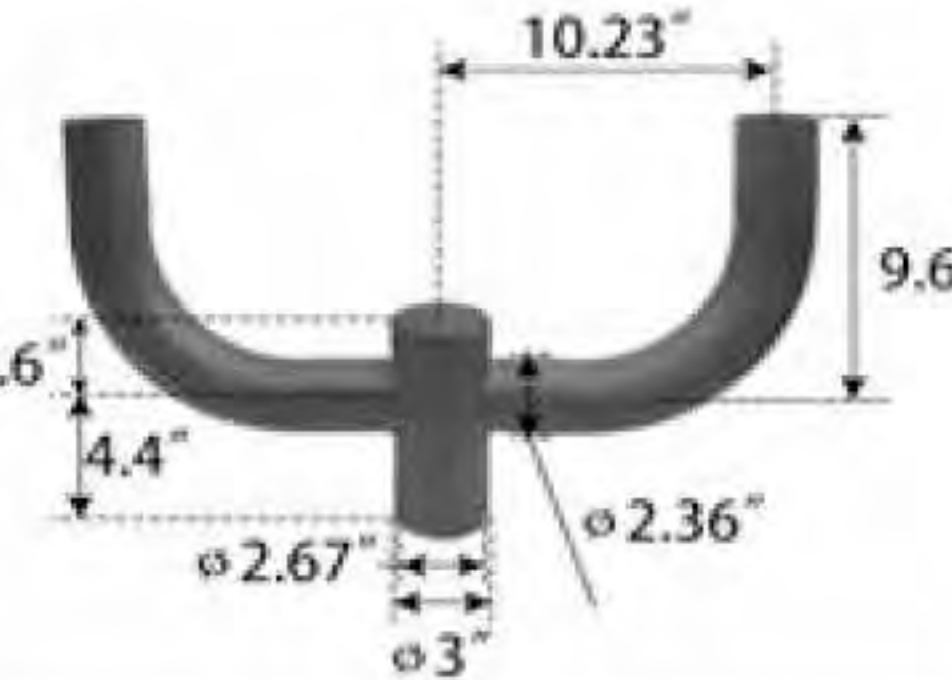
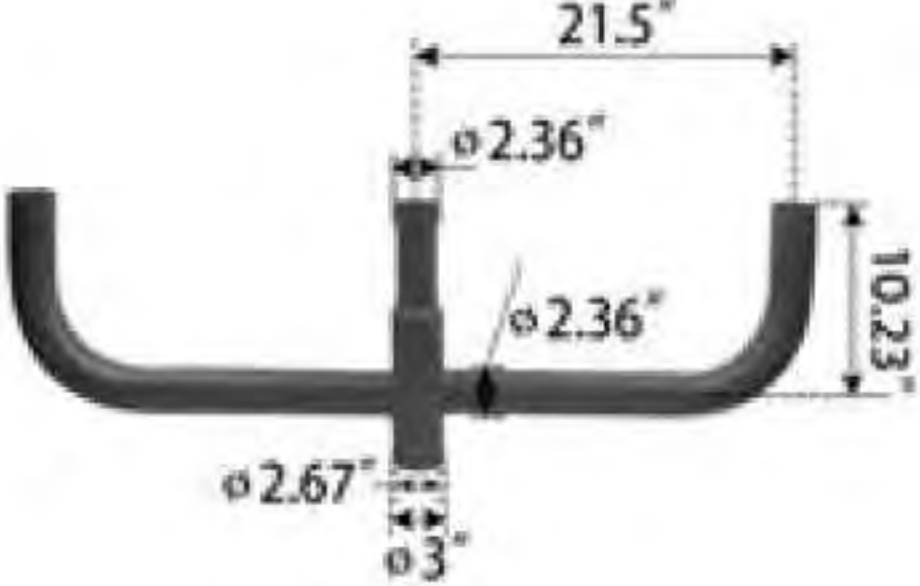


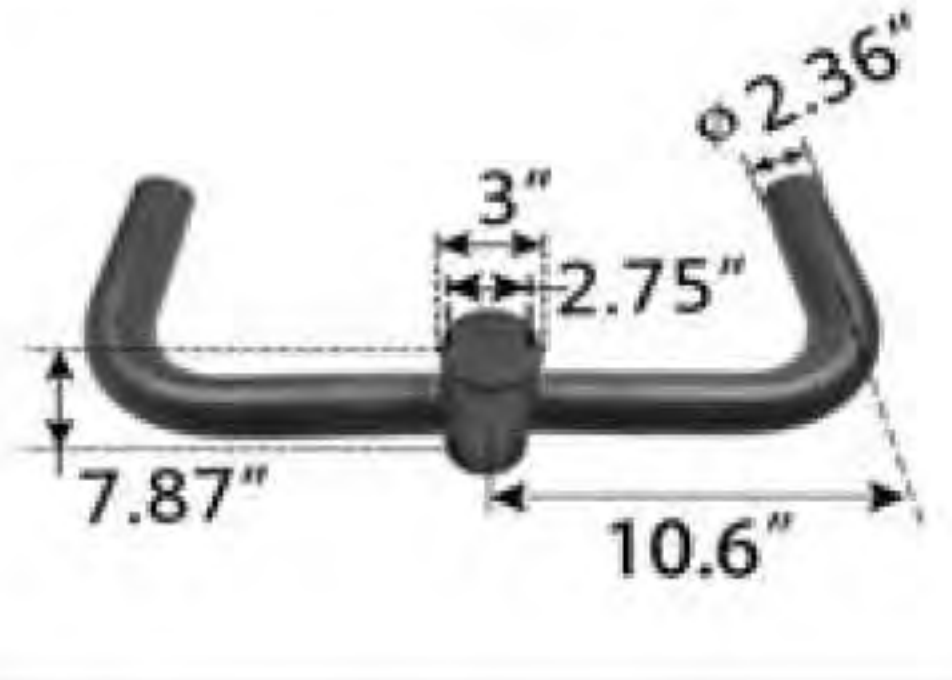
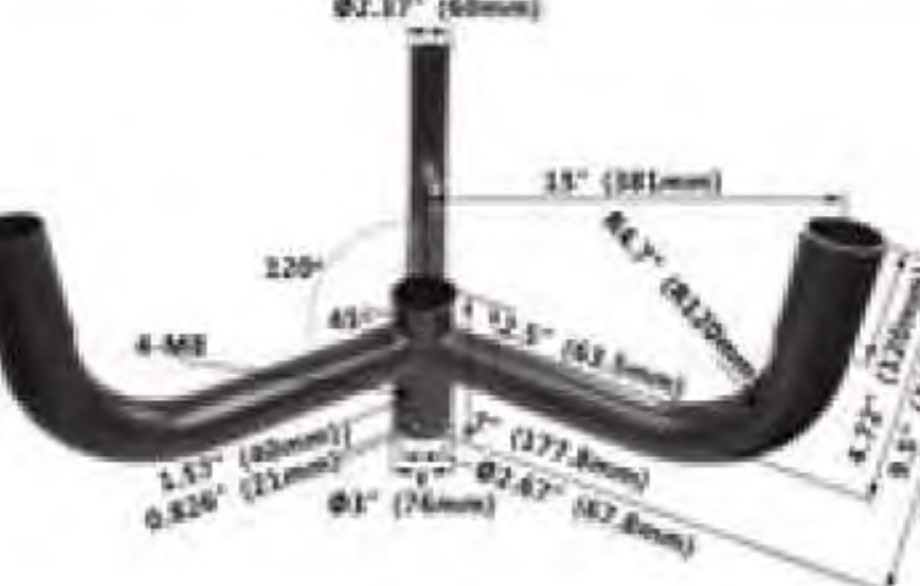
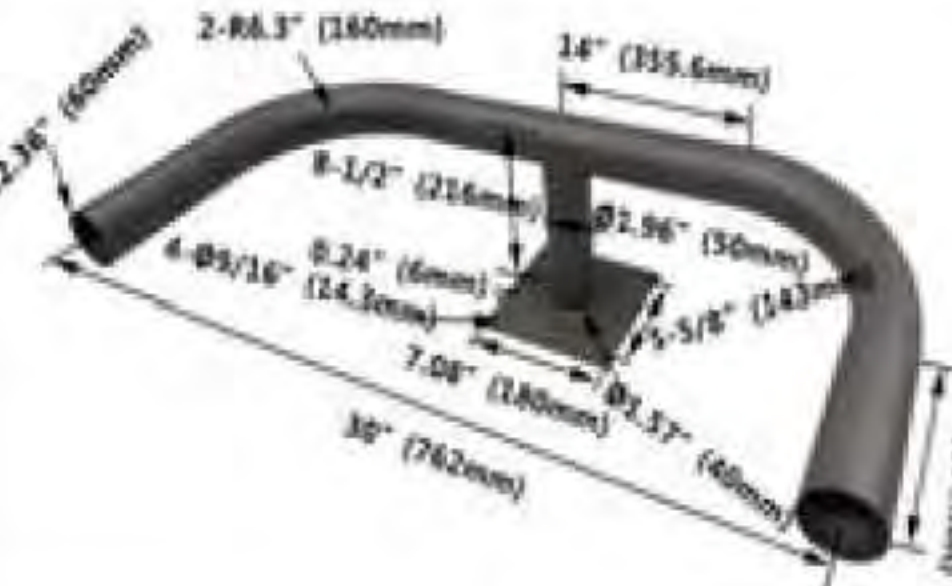
	<p><b>90° Wall Mount Bracket with 2-3/8" O.D. Tenon</b></p> <p>Finish: Dark Bronze MAX EPA: 0.6 USE: The 90° wall mount bracket with 2-3/8" tenon attaches flood and area fixtures to almost any surface: wall, roof, or wood pole. Provides wiring access and a built-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slip-fitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.</p>		<p><b>2-3/8" OD Horizontal Tenon Mid-Pole Bracket</b></p> <p>Finish: Dark Bronze MAX EPA: 0.3 USE: 2-3/8" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with an adjustable slip-fitter onto a 2-3/8" OD horizontal tenon.</p>
	<p><b>180° Wall Mount Bracket with 2-3/8" O.D. Tenon</b></p> <p>Finish: Dark Bronze MAX EPA: 0.5 USE: The 180° wall mount bracket with 2-3/8" tenon attaches flood and area fixtures to almost any surface: wall, roof, or wood pole. Provides wiring access and a built-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slip-fitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.</p>		<p><b>2-3/8" OD Horizontal Tenon Arc Adaptor</b></p> <p>Finish: Dark Bronze MAX EPA: 0.3 USE: For use with Round, non-tapered steel and aluminum poles. 2-3/8" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with an adjustable slip-fitter onto a 2-3/8" OD horizontal tenon.</p>

## POLE BRACKET • For mounting one fixture on an existing pole

	<p><b>4" Square Pole Mount with 2-3/8" O.D. Tenon</b></p> <p>Finish: Dark Bronze MAX EPA: 0.3 USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>		<p><b>3" Round Pole Mount with 2-3/8" O.D. Tenon</b></p> <p>Finish: Dark Bronze MAX EPA: 0.3 USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>
	<p><b>5" Square Pole Mount with 2-3/8" O.D. Tenon</b></p> <p>Finish: Dark Bronze MAX EPA: 0.3 USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>		<p><b>4" Round Pole Mount with 2-3/8" O.D. Tenon</b></p> <p>Finish: Dark Bronze MAX EPA: 0.3 USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>
	<p><b>5" Round Pole Mount with 2-3/8" O.D. Tenon</b></p> <p>Finish: Dark Bronze MAX EPA: 0.3 USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>		<p><b>1/2" Round Pole Mount with 2-3/8" O.D. Tenon</b></p> <p>Finish: Dark Bronze MAX EPA: 0.3 USE: For use with Round, non-tapered steel and aluminum poles. Vertical tenon measures 2-3/8" O.D., and is made of aluminum tubing.</p>

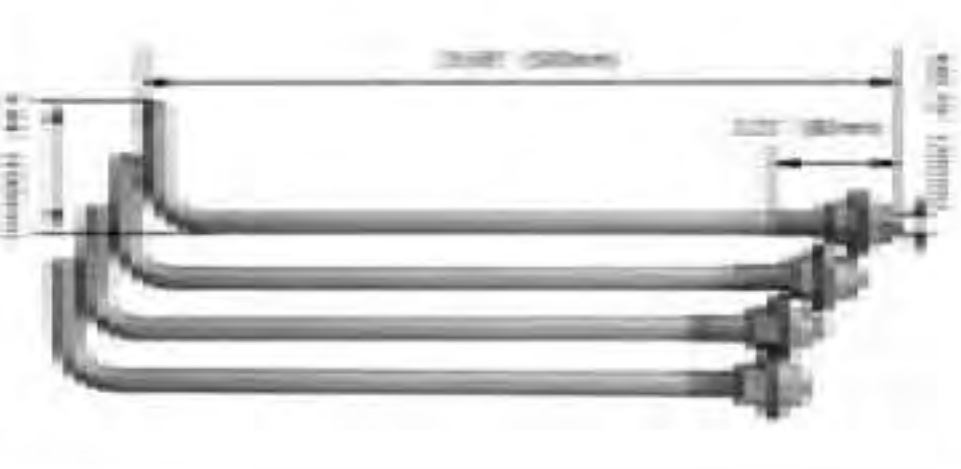
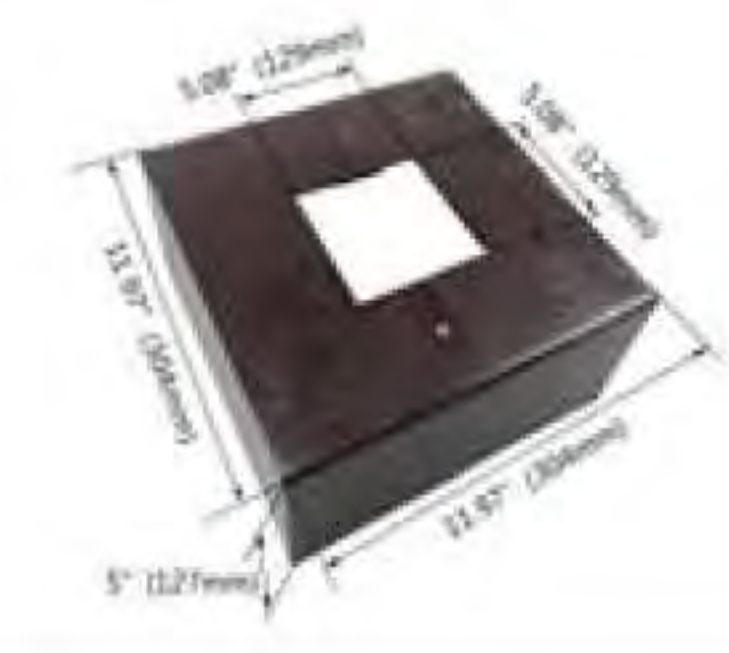
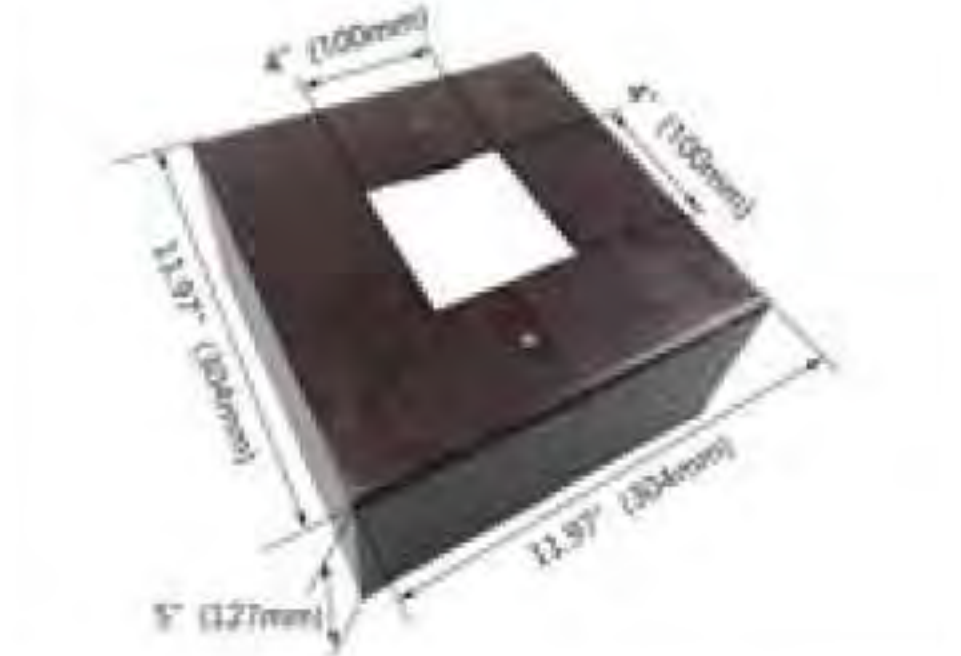

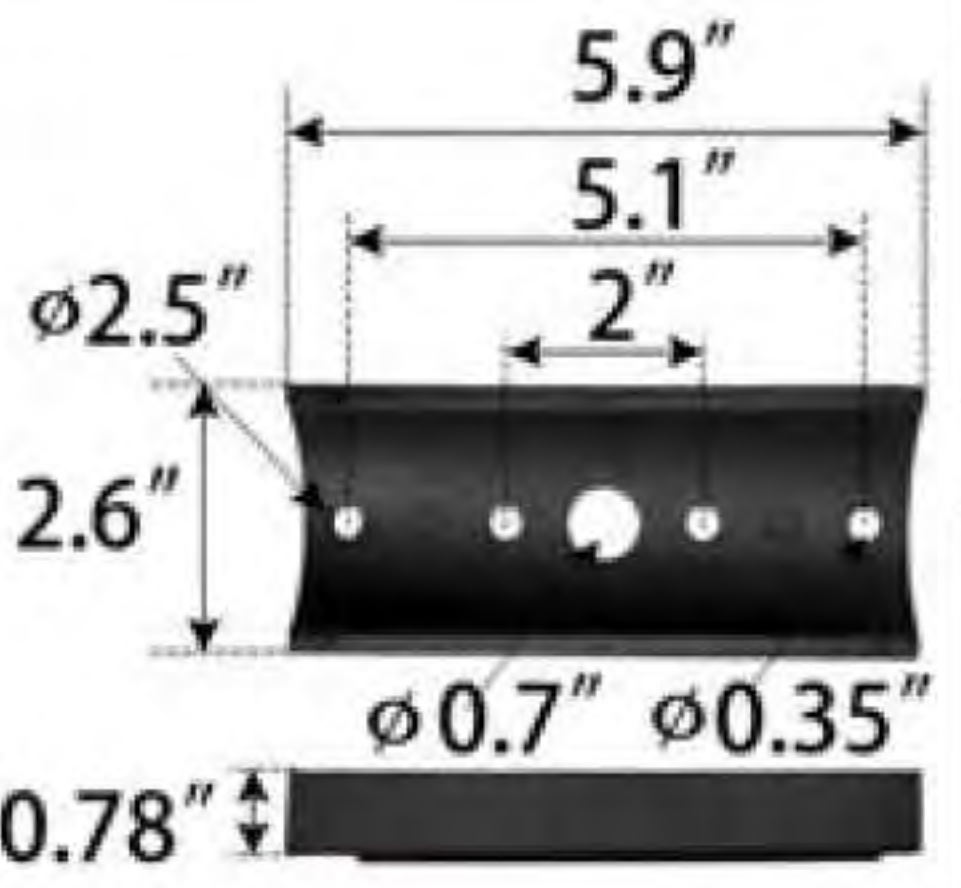
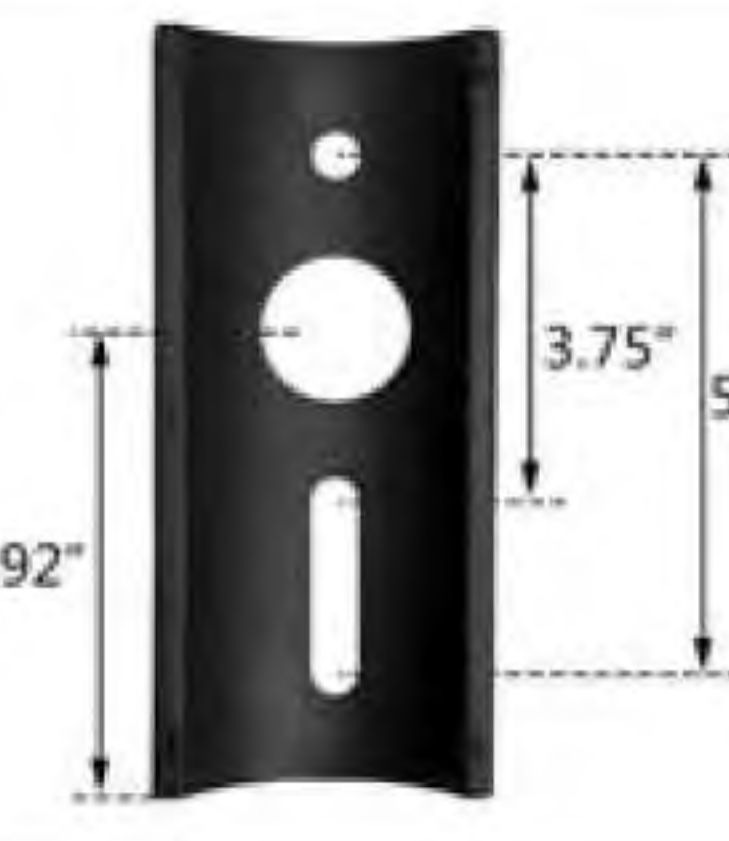


## ROUND EXTERNAL MOUNT HORIZONTAL TENON · To mount 2/3/4 fixtures on an existing pole

	<p><b>Double 90° Horizontal Tenon Adaptor</b></p> <p>Finish: Dark Bronze            MAX EPA: 0.6            USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>		<p><b>Triple 120° Horizontal Tenon Adaptor</b></p> <p>Finish: Dark Bronze            MAX EPA: 0.7            USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>
	<p><b>Double 180° Horizontal Tenon Adaptor</b></p> <p>Finish: Dark Bronze            MAX EPA: 0.4            USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>		<p><b>Quad 90° Horizontal Tenon Adaptor</b></p> <p>Finish: Dark Bronze            MAX EPA: 1.0            USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>
	<p><b>Single Spoke Bracket Tenon Adaptor</b></p> <p>Finish: Dark Bronze            MAX EPA: 0.4            USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. One fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>		<p><b>Double 180° Horizontal Tenon Adaptor</b></p> <p>Finish: Dark Bronze            MAX EPA: 0.9            USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>
	<p><b>Triple 180° Horizontal Tenon Adaptor</b></p> <p>Finish: Dark Bronze            MAX EPA: 1.4            USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>		<p><b>Quad 90° Horizontal Tenon Adaptor</b></p> <p>Finish: Dark Bronze            MAX EPA: 1.5            USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>
	<p><b>90° Wall Mount Bracket with 2-3/8" O.D. Tenon</b></p> <p>Finish: Dark Bronze            MAX EPA: 0.7            USE: The 90° wall mount bracket with 2-3/8" tenon attaches flood and area fixtures to almost any surface: wall, roof, or wood pole. Provides wiring access and abuilt-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slip-fitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.</p>		<p><b>Double 180° Horizontal Tenon Adaptor</b></p> <p>Finish: Dark Bronze            MAX EPA: 1.0            USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>
	<p><b>Triple 120° Horizontal Tenon Adaptor</b></p> <p>Finish: Dark Bronze            MAX EPA: 1.5            USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>		<p><b>Double 180° Wall Mount Bracket with 2-3/8" O.D. Tenon</b></p> <p>Finish: Dark Bronze            MAX EPA: 1.4            USE: The 180° wall mount bracket with 2-3/8" tenon attaches flood and area fixtures to almost any surface: wall, roof, or wood pole. Provides wiring access and abuilt-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slip-fitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.</p>



**MOUNTING OPTIONS:**

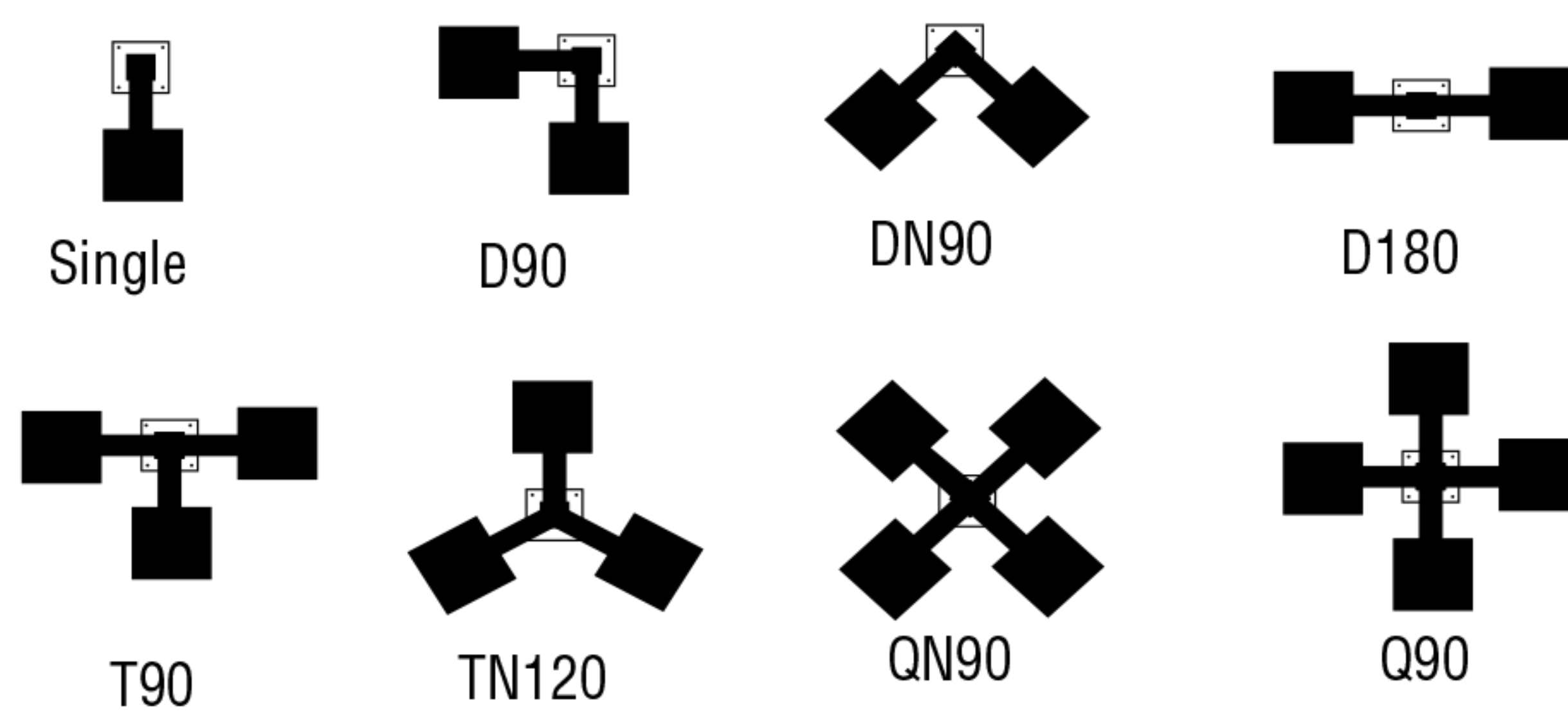
	<p>Finish: Dark Bronze Direct Mount Arm. Good for square or round poles.</p>		<p>Finish: Dark Bronze Slipfitter Arm. Mounts to tenon or bullhorn 2 3/8". Max. diameter 2 9/16"</p>
	<p>Finish: Dark Bronze Yoke or Trunnion for wall mount</p>		
	<p><b>Base Mounting Screw</b></p> <p>Finish: Silver Before installing the lamp pole, the installation hook should be buried underground and fixed by cement After fixing, the lamp pole should be fixed by locking screw and base installed.</p>		<p><b>Install Base Shield</b></p> <p>Finish: Dark Bronze The 5" Installation of base shield is used to protect the base after fixing the lamp pole, so that the lamp pole base is not damaged, thereby increasing the service life of the lamp pole.</p>
	<p><b>Install Base Shield</b></p> <p>Finish: Dark Bronze The 4" Installation of base shield is used to protect the base after fixing the lamp pole, so that the lamp pole base is not damaged, thereby increasing the service life of the lamp pole.</p>		<p><b>Screw Positioning Plate</b></p> <p>Finish: Dark Bronze This is a screw rod positioning plate. After the screw rod of the lamp rod base is fixed underground, the positioning plate is fixed with the screw rod to prevent the screw rod from deviation. Finally, the lamp rod is locked.</p>
	<p><b>Arm Square tube turn tube Tenon Adaptor</b></p> <p>Finish: Dark Bronze USE: Round tube light bar installation, with Arm installation of lamps.</p>		<p><b>Arm Square tube turn tube Tenon Adaptor</b></p> <p>Finish: Dark Bronze USE: Round tube light bar installation, with Arm installation of lamps.</p>



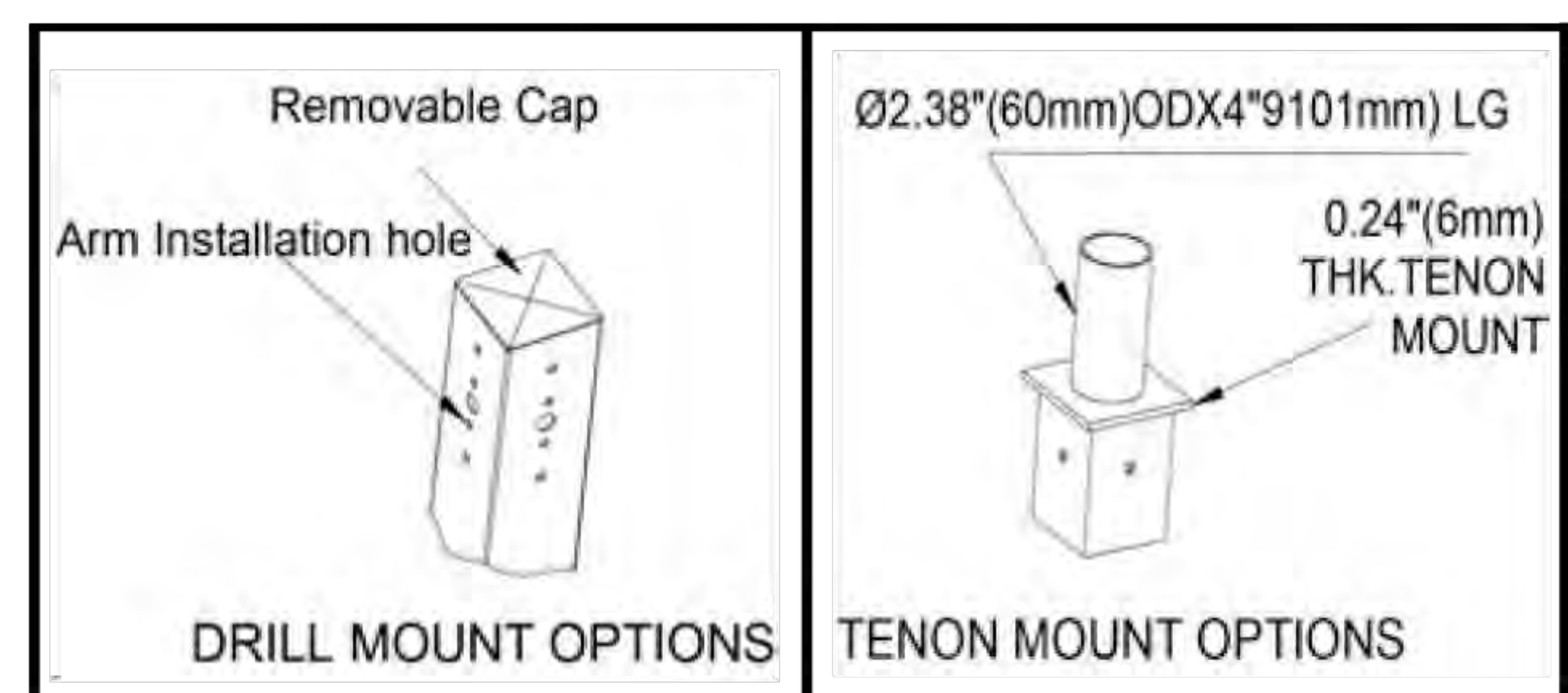
## ORDERING EXAMPLE: MNT-PSS-10411-XX

TYPE	PROD	MAT.	SHAPE	HEIGHT	SIZE	THICK
MNT	Pole	Alum Steel	Round Square Tapered rTapered	10Ft	4 (4X4in.) 5 (5X5in.)	11gauge
	Bullhorn			15Ft		
	Adaptor			20Ft		
	Reducer			25Ft		
				30Ft		

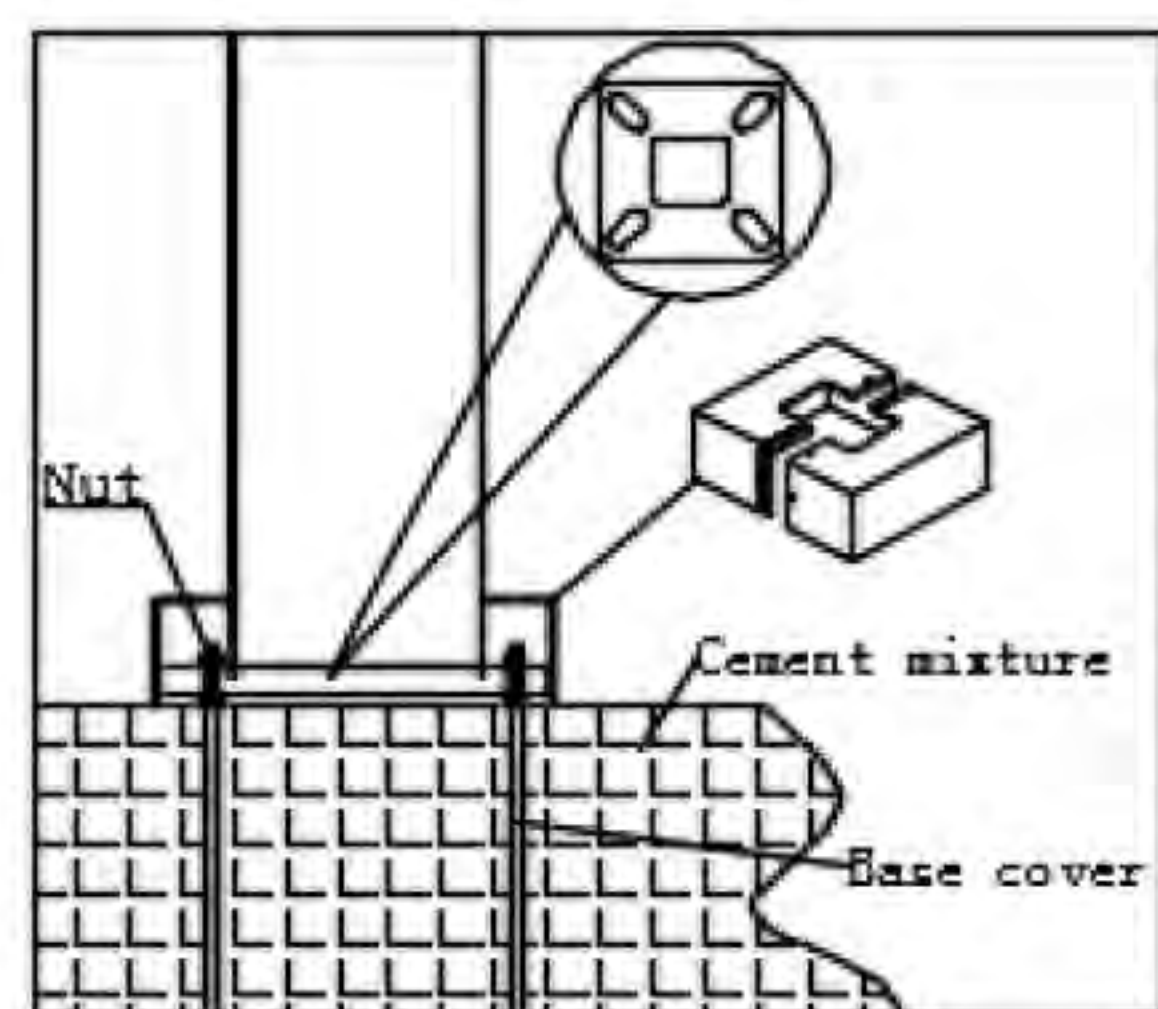
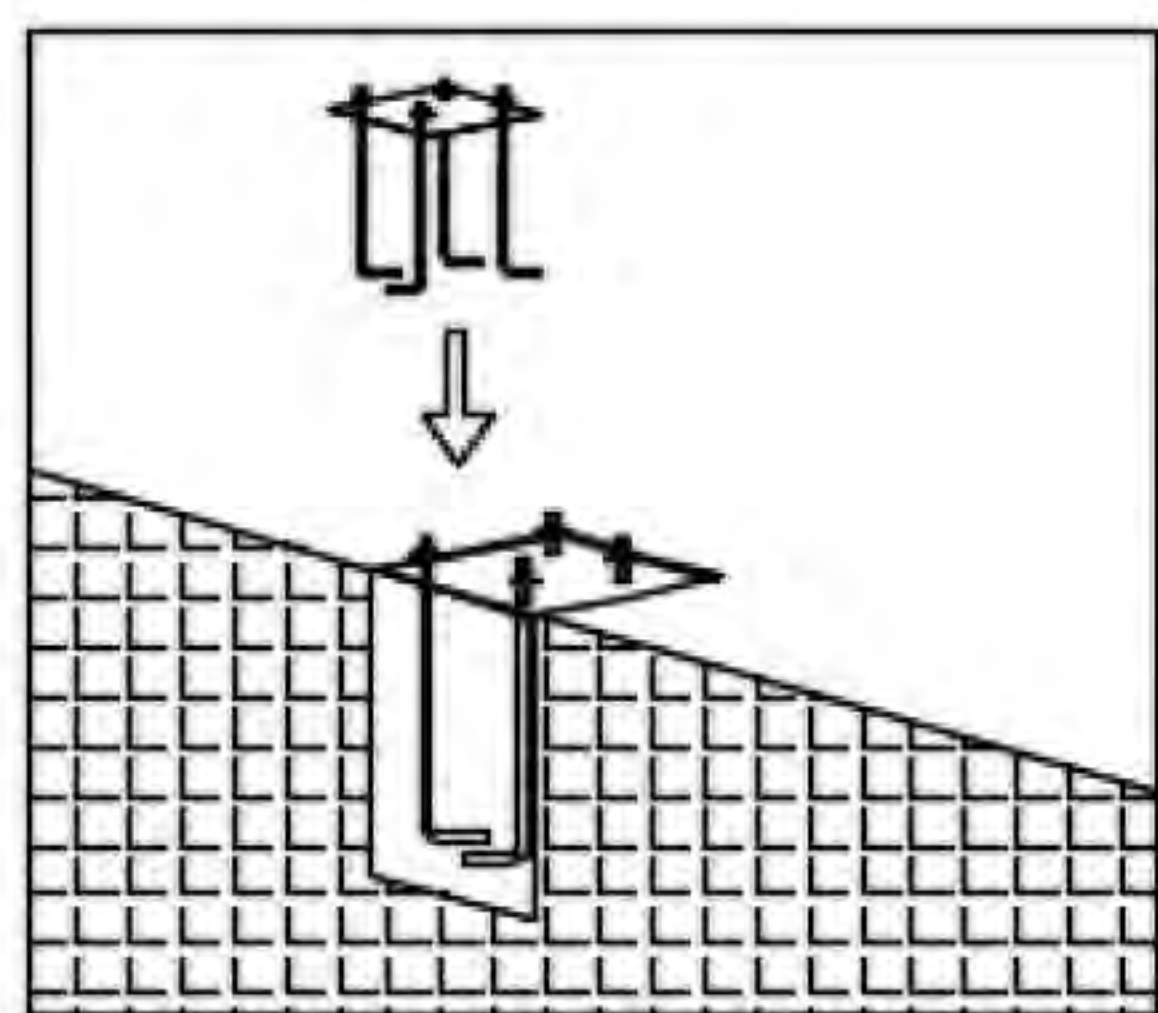
### Fixture Configurations:



### Light pole top:



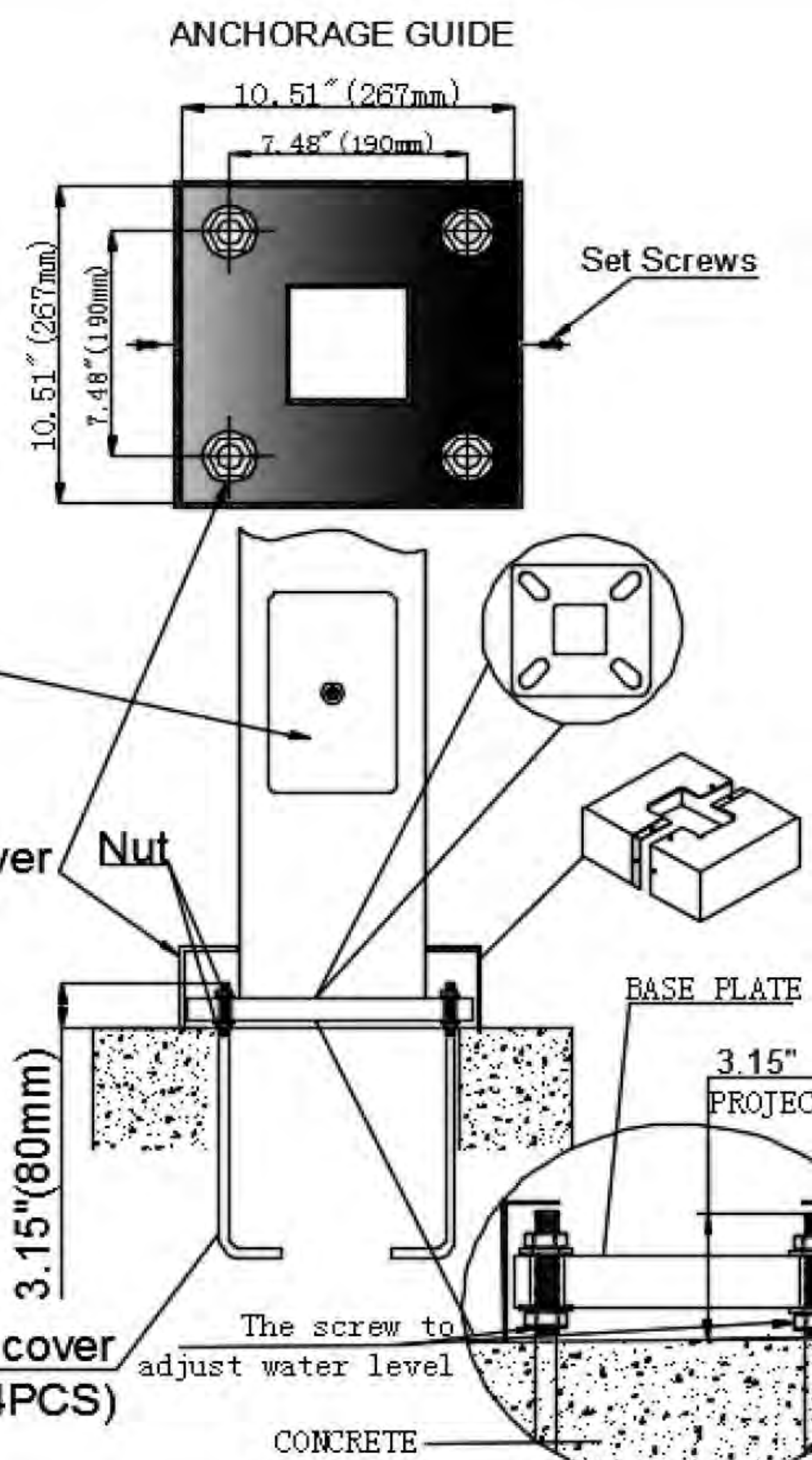
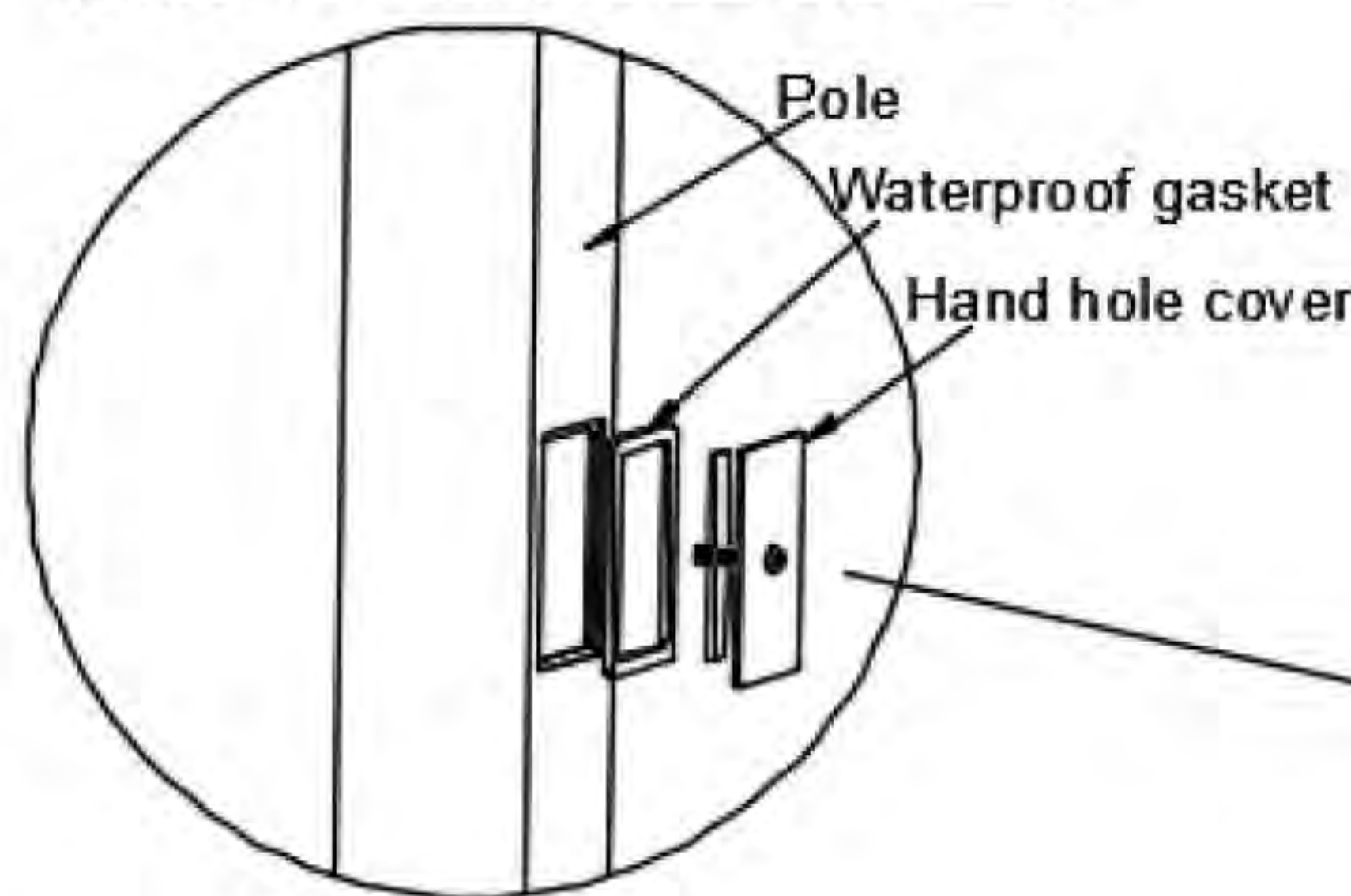
### Installation:



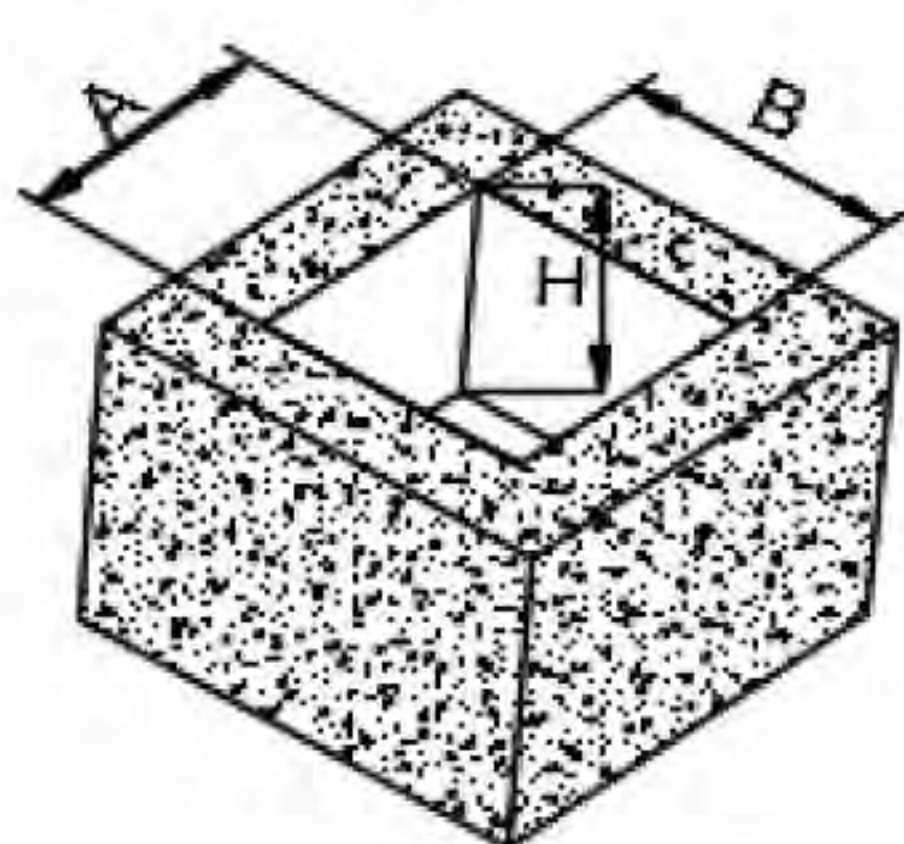
1. Dig a hole in the installation position of the lamp pole. Fixed four fastener fittings according to the hole position of lamp pole and poured with cement concrete. (as shown in the figure)

2. Install 4 screws onto the stick and adjust to same water level, then place the square plate and screw tightly. Install the cover at the bottom of pole. (as shown in the figure)

#### 3"X5" HAND HOLE COVER



#### Foundation reference specification



Specifications	L	W	H
10-15FT	19.69"(500mm)	19.69"(500mm)	23.62"(600mm)
20-25FT	23.62"(600mm)	23.62"(600mm)	27.56"(700mm)
30FT	27.56"(700mm)	27.56"(700mm)	39.37"(1000mm)