Revision 1
Feb 19, 2009

# 1. Scope

This material standard applies to fiberglass standoff brackets used for tangent mounting of fiberoptic communication cables on utility poles.

# 2. Material ID Numbers

This material standard applies to District Material ID Numbers:

| | | |
|---|---|---|
| 170001 | Fig. 1 | 12" Fiberglass Communication Standoff Bracket with 0 degree rise |
| 1002159 | Fig. 2 | 24" Fiberglass Communication Standoff Bracket with 15 degree rise |

# 3. Reference Standards

Unless otherwise stated in this material standard, the pole mount brackets shall comply with the latest revision of the following standards, as pertinent:

**ASTM A153** Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware
**ANSI H35.1** A356-T6 Cast Aluminum Alloy

# 4. Construction

## 4.1 Base and End Fittings

The standoff bracket shall consist of a nonremovable pole mounting base and nonremovable end fittings permanently secured to a 1-1/2" diameter fiberglass rod. The base and end fittings shall be manufactured from cast aluminum alloy A356-T6 or hot-dip galvanized malleable iron. Iron and steel hardware shall be hot-dip galvanized in accordance with ASTM A153. All metal parts of the bracket shall be free of sharp edges, burrs, cracks and other imperfections. The mounting base shall be designed to accommodate two 5/8" mounting bolts on 6" or 8" centers, see Fig. 3.

## 4.2 Fiberglass Rod

The fiberglass rod component of the bracket shall be 1-1/2" diameter with a weather and ultraviolet resistant coating. It shall be munsel gray in color.

## 4.3 Stud

The stud end of the bracket shall be 5/8"-11 UNC x 2" galvanized steel. It shall be furnished with a galvanized steel hex nut and split lockwasher.

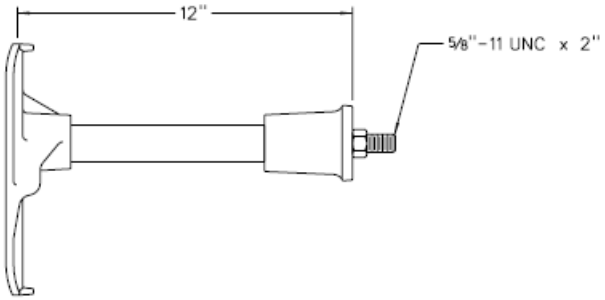
# 5. Strength Ratings

Brackets shall have the following minimum ultimate strength ratings with the loads applied at the stud end:

| Size | Vertical | Longitudinal | Transverse |
|---|---|---|---|
| 12" | 1700 lb | 1500 lb | 1500 lb |
| 24" | 900 lb | 700 lb | 1500 lb |

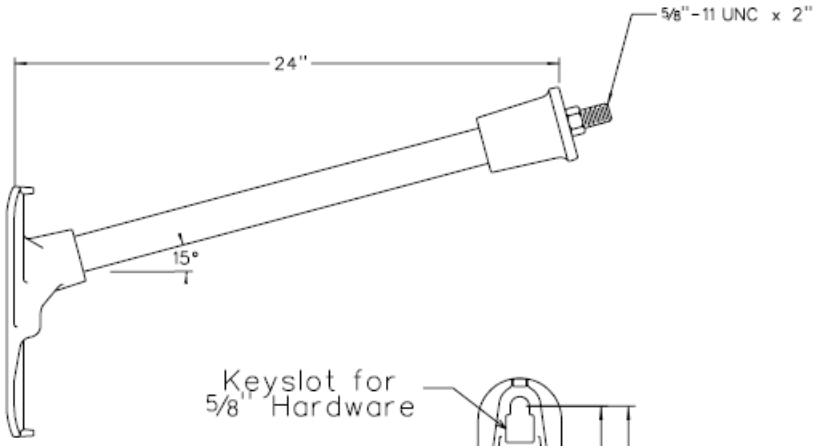
## 6. Packaging

Mounting brackets shall be packaged to ensure protection of the fiberglass rod during shipment.



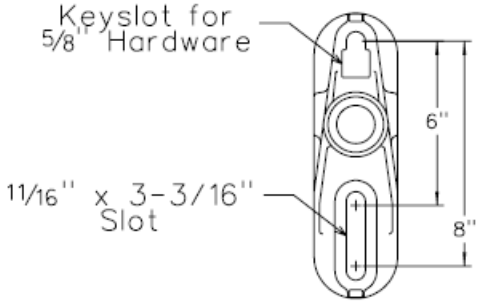

**12" Fiberglass Standoff Bracket**

**Fig. 1**




**24" Fiberglass Standoff Bracket**

**Fig. 2**




**Fiberglass Standoff Bracket Mounting Base (Typ.)**

**Fig. 3**