



Cross Arm

Introduction

Unicomposite fiberglass cross arms are designed for the unique demands of the utilities industry, deadends and transmission cross arms are engineered to outperform wood and other composite beams – with a track record to prove it. Field-ready in standard sizes, or made-to-order and drilled to spec, count on cross arm for superior load capacity and consistent performance.

Features and Benefits

- ☺ UV stabilized pultruded fiberglass tube
- ☺ External and internal UV protective veil
- ☺ High density, closed cell, expandable foam
- ☺ Field drillable design or custom factory drill patterns
- ☺ Environmentally friendly - no chemicals or preservatives
- ☺ Alternative and superior product to wooden crossarms without the additional costs of chemical treatments and disposal
- ☺ Lighter than wood with consistent material properties
- ☺ Improves overall system insulation and integrity
- ☺ Quicker installation with no assembly required -units shipped ready to be installed
- ☺ Cross-sectional profile meets REA construction guidelines
- ☺ Compatible installation with saddle pins on tangent crossarms
- ☺ REA drill patterns available

Applications

- ☒ Distribution and Transmission
- ☒ Deadend Crossarms
- ☒ Tangent Crossarms
- ☒ Beams- Switch bases
- ☒ Substations
- ☒ Any wood or steel arm applications

Comparison with other materials

■ High strength

One arm can replace 2 or 3 wood arms

- ☒ **Tangent Structure**
 - ❖ Wood-2200 lbs vertical l
 - ❖ Fiberglass- 6,400 lbs+
- ☒ **Deadend**
 - ❖ 3 wood arms= 7,500 lbs
 - ❖ Single fiberglass deadend= 15k

■ 2*longer life than wood

■ 3 levels of UV protection- Critical

- ☒ UV Inhibitors
- ☒ UV Veil
- ☒ UV Coating
- ☒ Eliminate problems from:
 - ☒ Insects
 - ☒ Wood peckers

Electrical characteristics

- ☒ Improve BIL
- ☒ Exceeds 300 kV Recommend by RUS
- ☒ Hotstick material- 5kv/ft for 5 mins.

Cold Temperatures

- ☒ 5% Increase in strength
- ☒ Increased Stiffness
- ☒ Material is not brittle

Category

■ Deadend Crossarms

- ⌘ **Deadend Centermount Specifications**
 - ❖ • Bandable
 - ❖ • Keyhole slot
 - ❖ • 12" Pole Mounting Spacing
 - ❖ • 3/4" pole mounting hardware
 - ❖ • "Double nutting" feature
 - Centermount
 - ❖ • Ductile Iron, Hot Dip Galvanized ASTM A-153
 - ❖ • Dual guy attachment - rated 30k
 - ❖ • 13/16" guy holes
 - ❖ • Weight (22 lbs)
- ⌘ **End Cap Details**
 - ❖ • Endcaps are color coded for easy use:
 - Black = Light Duty, Gray = Heavy Duty
 - ❖ • Rubberized material for extra durability
 - ❖ • Patent pending foam/endcap interlock design

■ Tangent Crossarms

- ⌘ **Tangent Centermount Specifications**
 - ❖ • Bandable
 - ❖ • Keyhole slot
 - ❖ • Standard Tangent Centermount
 - 8", 10 - 12" pole mounting
 - 5/8" pole mounting hardware
 - ❖ • Heavy Tangent Centermount
 - 10 - 12" pole mounting
 - 3/4" pole mounting hardware