

Aluminum alloy bracket for optical cable



Overview

CS 1500 suspension bracket is an aluminum alloy hardware offering high mechanical performances. CS 1500 installs on all type of poles: drilled or not, steel, wooden or concrete-made.

Key Takeaways

Aluminum alloy brackets are durable hardware components designed to support and secure fiber optic cables on poles or walls, offering high mechanical strength and versatile installation options. Types and Applications1. Suspension Brackets (CS 1500, FAS, ADSS clamps)Made from high-strength aluminum alloy, these brackets support All-Dielectric Self-Supporting (ADSS) fiber optic cables on utility poles or towers.

They can be installed on drilled or non-drilled poles, including steel, wood, or concrete. For drilled poles, installation uses bolts (14-16 mm), while non-drilled poles require pole bands with compatible buckles. The Fiberlign Aluminum Support (FAS) can handle spans up to 600 feet without reinforcement, and longer spans (600-1200 feet) require Structural Reinforcing Rods (SRR).

Maximum line angles for permanent installations are typically 20°, with some exceptions up to 30°. 2.

Anchor Brackets

These brackets secure fiber optic cables at fixed points, providing high pulling and hanging strength for aerial installations. They are suitable for both tension and hanging applications, ensuring cable stability in adverse environmental conditions. 3.

OS

P (Outside Plant) BracketsOSP aluminum alloy brackets are used with tension cable clamps to support ADSS cables on poles or walls. They are compatible with various tension clamps for fiber optic bulk cables ranging from 3–13 mm in diameter. These brackets are typically silver-colored and designed for easy installation using bolts, bands, or standoff brackets depending on the structure.

Material and Performance

Constructed from high-strength aluminum alloy, these brackets are lightweight, corrosion-resistant, and suitable for outdoor environments. Many brackets include soft dielectric inserts to protect the cable from mechanical damage while maintaining firm support. They comply with international standards such as ISO/IEC 11801, TIA/EIA 568B, GB, YD, JIS, DIN, and CCITT.

Installation Considerations

Ensure proper bolt length for drilled poles: at least the pole diameter plus 20 mm. For non-drilled poles, use pole bands with compatible buckles to secure the bracket. Check span length and line angle limits to prevent overloading or cable damage.

Use reinforcing rods for long spans or heavy cables to maintain structural integrity.

Summary

Aluminum alloy brackets for optical cables provide reliable, durable, and versatile support for aerial and wall-mounted fiber optic installations. They are compatible with a wide range of pole types and cable diameters, offer high mechanical performance, and protect cables from environmental and mechanical stress, making them essential components in modern fiber optic networks.

Article Content

Aluminum Universal Pole Bracket Upb

UPB bracket (universal pole bracket) is manufactured from aluminum alloy, high mechanical strength and long lasting, widely used in fiber optic cable deployment

Universal Pole Bracket

Crafted with precision from top-grade aluminum alloy, it provides a versatile and durable solution for securely attaching equipment to poles in optical distribution

Pole line hardware | Melbye

CS 1500 suspension bracket is an aluminum alloy hardware offering high mechanical performances. CS 1500 installs on all type of poles: drilled or not, steel, wooden or concrete-made.

Aluminum Alloy Cable Pole Bracket CS14 CA1500 CS10 Optic Cable

The CS14 CA1500 CS10 aluminum alloy cable pole bracket is an essential component for fiber optic equipment installations. Designed for strength and versatility, this bracket is ideal for securing feeder

Universal anchoring pole bracket-Carefiber Optical,Best Fiber Optic ...

Universal Pole bracket is manufactured from aluminum alloy which has high mechanical strength. Its unique design has been developed for use on any kind of pole like wooden, metal, or concrete.

Pole line hardware | Melbye

UPB universal pole bracket is made of aluminum alloy and provides for high mechanical resistance. Its unique patented design offers an universal fitting

3.5 hard drive bracket | Newegg

5" 3 x Optical Drive Bay to 4-Bay 3.5 Inch SATA SAS HDD Cage Rack Bracket Hard Drive Tray Caddy Adapter with SATA 3.0 Data Cable (Only Caddy) Model #: 69048980647

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Cable Fitting Accessories Pole Hook Fix Clamp UPB

Cable Fitting Accessories Pole Hook Fix Clamp UPB Aluminium Universal pole Bracket for fiber optic cable The UPB bracket is manufactured from aluminum

Fiber Optic OSP Bracket

This fiber optic OSP bracket is used with tension cable clamps to support ADSS cable hang on the pole or wall. Physical Characteristics Material Aluminum Alloy Color Silver Compatible Products PP

Namibian Zinc Aluminum Magnesium Cable Tray Quotation Buyers ...

Sell Namibian Zinc Aluminum Magnesium Cable Tray Quotation in bulk to verified buyers and importers. Connect with businesses actively looking to buy wholesale Namibian Zinc Aluminum Magnesium

Aluminum hoop/Pole Bracket Aluminum alloy Universal

Aluminum hoop/Pole Bracket Aluminum alloy Universal Pole Metal Bracket UPB Suspension Anchor Clamp ZCALC-02 offered by China manufacturer Zion

Mini Bracket Aluminum Alloy (08-12mm Diameter Cable)

Mini Bracket Aluminum Alloy The mini-brackets are used for short and medium spans of ADSS fiber optic cables as well as Aerial Drop cables.

Aluminum Alloy Upb Universal Pole Bracket Fiber Optic Cable Brackets ...

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