

Roof cable tray bracket fixing



AI Overview

Roof cable tray brackets are typically fixed using base supports placed on isolation pads or anti-vibration feet, with legs secured via bolts and nuts to ensure stability and even load distribution.

Base Fixing Methods

- 1. Isolation Pad Method:** For standard rooftop cable tray supports, bases are often placed on isolation pads to protect the roof membrane and distribute weight evenly. The legs of the support brackets are inserted into the bases and secured using bolts and nuts, commonly 2-1/2" bolts with 1/2" nuts. Horizontal bracing is attached approximately three-quarters up the support legs using 3" bolts and 1/2" nuts. Proper spacing and leveling are critical to ensure the weight of the cable trays is evenly distributed across the system.
- 2. Anti-Vibration Flexi Foot Supports:** For delicate or membrane roofs, Flexi Foot support systems provide a non-penetrative solution. These consist of a rubber base with a pre-fitted galvanized steel strut, which allows M10 channel systems to be mounted without roof penetration. The rubber base distributes weight, prevents vibration, and protects the roof surface. Installation involves positioning the unit, aligning the strut-mounted services, and securing them with standard M10 channel accessories.

Installation Considerations

- Spacing:** Follow design specifications for spacing between supports to prevent sagging and ensure structural integrity.
- Bracing:** Use horizontal or double/triple bracing where required to enhance stability.
- Leveling:** Ensure supports are level both vertically and horizontally before loading cable trays.
- Material Selection:** Use corrosion-resistant materials such as galvanized steel or stainless steel for durability in outdoor conditions.
- Weight Distribution:** Check that the weight of the cable trays and cables is evenly distributed to avoid overloading individual supports.

Summary

Roof cable tray bracket bases can be fixed using either isolation pads with bolted legs or anti-vibration Flexi Foot systems. Both methods ensure stability, protect the roof surface, and allow for proper load distribution. Correct spacing, bra...

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Guide to cable support systems

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INSTALLATION GUIDE

Ladder tray should be mounted far enough off the floor or roof to allow the cables to exit through the bottom of the tray. If strut is used as a cross support, mount the strut directly to the roof or floor.

Cable Supports

Roof-Pro's DPK supports can have pivoting legs and bases, and also allow for multiple building services runs (e.g. cable, duct and pipe) to be combined in the

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