Cable tray cover plate buckle specifications

Overview

Cover with chequer plate and turn buckle FS | OBOCable tray cover for the walkable BKRS cable tray system. The basic cover is strip galvanised in a materia.

Key Takeaways

Cable tray cover plates with turn buckles typically feature galvanized steel or aluminum construction, with turn buckle spacing ranging from 500 mm to 1000 mm depending on the model and load requirements.

Material and Construction

Cable tray covers are generally made from strip galvanized steel with a thickness of 2 mm, often reinforced with aluminum chequer plates of 2–4 mm for walkable, non-slip surfaces. Covers can be flat, flanged, or hat-shaped, and may be ventilated or solid depending on the application. Materials are selected for corrosion resistance, including options like aluminum, mill-galvanized steel, galvannealed steel, and stainless steel (304 or 316) for outdoor or harsh environments.

Turn Buckle Fastening

Turn buckles are used to secure the cover to the cable tray. Typical spacing between turn buckles ranges from 500 mm to 1000 mm, with closer spacing recommended for walkable covers or areas exposed to wind or pressure impacts. For outdoor installations, additional securing measures such as cover clamps may be required, as turn buckles alone may not resist wind loads.

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Installation Considerations

Indoor use: Standard turn buckle spacing is usually sufficient; clips or clamps may be used depending on the cover type. Outdoor use: Covers must account for wind, draught, or pressure impacts. Extra securing elements or closer buckle spacing may be necessary.

Walkable covers: Reinforced with chequer plates and riveted aluminum for non-slip surfaces; turn buckle spacing is often 500 mm for added stability.

Summary

When selecting a cable tray cover with turn buckles, consider: Material thickness: 2 mm steel with optional 2–4 mm aluminum chequer plateTurn buckle spacing: 500 mm for high-load or walkable covers, 1000 mm for standard coversEnvironmental factors: Outdoor use requires additional securing against windCover type: Flat, flanged, hat-shaped, ventilated, or solid depending on application. These specifications ensure proper protection of cables, safe walkable surfaces, and secure fastening under varying environmental conditions.

Article Content

Cover with chequer plate and turn buckle FS | OBO

Cable tray cover for the walkable BKRS cable tray system. The basic cover is strip galvanised in a material thickness of 2 mm with additional aluminium chequer riveted on in a thickness of 4 mm,

Cover with turn buckle FS | OBO

Description Cover for cable trays and cable ladders with turn buckles. When using covers outdoors, additional measures against the influence of wind must be taken. Transverse bead from 500 mm width.

Cover with chequer plate and turn buckle, turn buckle spacing 1,000

Cable tray cover for the walk-on cable BKRS cable tray system. The basic cover is strip galvanised in a material thickness of 2 mm with additional aluminium chequer riveted on in a thickness of 2 mm,

Cable Tray Cover with Turn Buckles | PDF

Cover for cable trays and cable ladders with turn buckles. Always indicate the item number when ordering. Katalog-KTS_en_2018_418 - Free download as PDF File (.pdf), Text File (.txt) or read

Cable tray manual

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These documents: ANSI/NEMA VE-1, Metal Cable Tray Systems; NEMA VE-2, Cable Tray Installation Guidelines; and NEMA FG-1, Non Metallic Cable Tray Systems, are an excellent industry resource in

GUIDE CABLE TRAYS TECHNICAL

NEMA VE 1-2017 Specifies requirements for metal cable trays and associated fittings designed for use in accordance with the rules of Canadian Electrical Code, Part I and the National Electrical Code®

Cable Tray Technical Guide A practical guide to product selection and ...

Conductors used in cable tray must be specified in Table 19 of the CEC and, except where permitted under paragraphs [12-2202(2)] and [(3)], covered by a continuous metal sheath or an interlocking

DD cover with turn buckle

Cover with turn buckles for wide span cable trays and wide span cable ladders with side heights of 110 and 160 mm. Take appropriate constructive protection measures if there are high wind speeds.

CABLE TRAY, CABLE LADDER, CABLE TRUNKING CATALOGUE

Fitting anf accessories. with the same or different width of the cable run. All fittings are available in sizes and types corresponding to the straight cable tray sections. These fitting are including: elbow,

Cable Tray Technical Guide A practical guide to product selection and ...

SOLID-BOTTOM CABLE TRAY Providing additional cable protection, solid-bottom cable tray is sometimes preferred to support and protect numerous small instrumentation and control cables.

GUIDE CABLE TRAYS TECHNICAL

In accordance with its continuous impro-vement policy, Legrand reserves the right to change the specifications and illus-trations without notice. All illustrations, descriptions and technical information

Microsoft Word

Ladder cable tray shall be shall be made of G.I. sheets and shall be covered. Cable duct shall be epoxy painted. Thickness of tray shall be minimum 2.0 mm for 50 mm wide tray, 3.0 mm for 100 to 400 mm

B-Line series Cable Tray Design Considerations

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As an industry leader in cable tray, Eaton offers one of the widest ranges of cable management solutions available in the market today with its B-Line series portfolio. With unmatched quality and service, we

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Data Sheet-A, Standard Quality Plan & Typical details of Cable trays & Accessories as enclosed in the technical specification are to be appended with cover sheet bearing drawing/document number &

CABLE TRAY SYSTEMS GUIDE

CONCENTRATED STATIC LOADS: Some applications may require the cable tray to support the weight of a single, dead object in addition to the cable loads. Specifications typically require this to be

Cover with turn buckle | OBO

Maintain electrical functions 3 products (21 Variants) 30 60 90 8 Variants Cover with turn buckle FS To product 5 Variants Cover with turn buckle FT To product

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Splice plates should be placed on the outside of the cable tray, unless otherwise specified by the manufacturer, with the bolt heads on the inside of the cable tray (see Figure 3-37).

Cable Tray Fitting Accessories

Some common cable tray fittings include elbows, tees, crosses, bends, risers, reducers, bolts, nuts, locks, expansion screws, supporting brackets, suspension

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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