

Gaoyou Cable Tray Supports



Overview

Cable tray length is selected based on the load to be supported, the distance between the supports (also referred to as the span), and handling and installation constraints.

Key Takeaways

Gaoyou cable tray supports are steel-based systems designed for heavy-duty cable management, offering adjustable dimensions, high load capacity, and multiple installation options.

Overview

Gaoyou cable tray supports are primarily made from steel, including stainless steel variants such as SS304, SS316, and SS316L, and standard carbon steel like Q235. They are designed to support electrical cables, instrumentation, and tubing in industrial and commercial installations, with maximum working loads up to 500 kg, depending on tray size and configuration. The trays are available in widths ranging from 50 mm to 900 mm and side rail heights from 12 mm to 200 mm, allowing flexibility for different cable volumes and load requirements.

Material and Surface Finishing

The supports feature zinc plating, hot-dip galvanization, or powder coating to enhance corrosion resistance and durability in various environments, including outdoor and industrial settings. Stainless steel options provide additional protection against chemical exposure and high humidity conditions.

Types of Supports and Clamps

Gaoyou cable tray supports can be installed using a variety of brackets, clamps, and hangers: Wall and ceiling brackets for horizontal or vertical mounting. Suspended supports and center suspensions for overhead installations. Heavy-duty hold-down clamps and expansion guides for securing trays to C-channels, I-beams, or wide flange beams, reducing the need for field drilling.

Grounding clamps with copper alloy bodies and tin plating for electrical safety. These accessories ensure rigid structural support, proper alignment, and safe cable routing.

Installation and Accessories

Gaoyou cable tray systems are compatible with perforated trays, ladder-type trays, wire mesh trays, and solid troughs, allowing for diverse project requirements. Optional accessories include gutter connectors, connecting plates, separating strips, and protective rings, which facilitate compact and stable installations. The modular design allows for horizontal and vertical bends, T-pieces, crossovers, and end closures, providing flexibility in complex routing scenarios.

Certifications and Supply

Gaoyou cable tray supports are ISO9001 and ISO14001 certified, with CE, UL, and cUL certifications available for international compliance. They are supplied in bulk or custom packaging, with a typical delivery time of 25 days for a 20-foot container, and a monthly production capacity of 200 metric tons or 20,000 meters.

Key Advantages

High load capacity and structural rigidity
Wide range of sizes and materials
Corrosion-resistant finishes for harsh environments
Flexible installation options with comprehensive accessories
Compliance with international quality and safety standards
Gaoyou cable tray supports are suitable for industrial, commercial, and offshore/onshore projects, providing reliable and durable solutions for cable management and electrical installations.

Article Content

Installation of Gaoyou Mesh Cable Tray

Cable tray length is selected based on the load to be supported, the distance between the supports (also referred to as the span), and handling and installation constraints.

Guide to cable support systems

The load capacity of the cable trays according to the support width can be read off in the diagram using load curves – here, shown as an example for a cable tray with the tray widths 100 to 600 mm.

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Cable Tray Accessories, Cable Tray Hangers & Support | RS

These fittings are used in conjunction with cable trays to support cables in ventilation holes, assist with directional change of piping systems, and aid cable channelling around obstacles.

Cable Tray Supports & Clamps

These special heavy duty tray hold down cable tray clamps and expansion guides are ideal for fastening tray to C-Channels and beams, such as those found on bridges.

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Wire Mesh Tray Technical Guide

Cablofil wire mesh tray and sup-ports are designed to support any cable load allowed by the NEC when supports are spaced on 8" spans. Only the hea-viest cables (750 kcmil mulitconductor power or

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Cable Management Support Systems

Cable Management Support Systems Cable Support Systems are well designed to provide necessary support for cable trays, cable ladders and trunkings. Cable supports are manufactured according to

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Cable Tray SHIB NAL

Cable trays are not raceways, but they are treated as a structural component of a facility's electrical system. Cable trays are a part of a planned cable management system to support, route, protect and

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Cable trays are a type of cable management system used to support and organise electrical cables and wires in commercial, industrial, and residential settings. They are typically made of metal, such as

Cable tray support, Cable tray bracket

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