

North Macedonia Vertical Shaft Cable Tray Specifications



Summary of Content

Vertical shaft cable trays in North Macedonia generally follow European CE standards, with specifications for material, load capacity, and safety derived from international and EU guidelines.

Material and Construction

Vertical shaft cable trays are typically made from steel, aluminum, or nonmetallic materials depending on environmental conditions and load requirements. Steel trays are often galvanized or coated for corrosion resistance, aluminum trays provide lightweight strength, and nonmetallic trays are non-magnetic and corrosion-resistant, suitable for harsh industrial environments such as chemical or offshore facilities . The tray structure usually consists of longitudinal side rails and a bottom with openings to allow airflow and cable support, with rung spacing not exceeding 102 mm (4 in.) for proper cable support .

Load Ratings and Safety

Cable trays are designed with a safety factor of 1.5, and most systems can support additional concentrated loads beyond the published class, ensuring structural integrity in vertical installations . Load classes are defined according to CSA, NEMA, or IEC standards, which are recognized in North Macedonia through CE marking compliance . Vertical trays must be installed to avoid overloading, overheating, or exposure to voltages beyond their rated specifications.

Compliance and Standards

Article Content

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In designing supports for a cable tray system, consideration should be given to the loads associated with future cable additions and

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North Macedonia Vertical Shaft Cable Tray Specifications

Specifies requirements for metal cable trays and associated fittings designed for use in accordance with the rules of Canadian

Contact Us

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