

Concealed electrical box dimensions and price

Article Overview

Concealed electrical boxes come in standard sizes ranging from 2 inches to 5 inches, or 80mm x 55mm for European models, with prices varying by material, series, and packaging.

Standard Dimensions

- o Indian/General Market Sizes: Common concealed metal boxes are available in 2-inch, 4-inch, and 5-inch variants, with round options around 3 inches. These boxes are typically made from galvanized iron (GI) sheets and designed for modular switch compatibility .
- o European Standard Sizes: For EU installations, concealed boxes usually measure 80mm in diameter and 55mm in depth, complying with EN 60670 standards. These are often circular with bottom-entry conduit openings, suitable for wet locations like kitchens and bathrooms .
- o Material Thickness: Boxes are manufactured in 0.8mm (Eco Series) or 1.0mm (Elite Series) galvanized steel, providing durability and corrosion resistance .

Features

- o Construction: Single-piece, no welding, ensuring structural integrity and long-term performance .
- o Compatibility: Designed to fit popular modular systems such as Anchor Roma Base, GM, Vinay, Legrand, and Schneider .
- o Smart Home Ready: Some modern boxes accommodate multiple ports and deeper cavities for smart wiring and hubs .
- o Packaging: Standard packaging varies by size, e.g., 27 pieces for 4-inch boxes and 21 pieces for 5-inch boxes, packed in polythene and cardboard .

Pricing

- o Indian Market: Prices depend on size, material, and series. Bulk orders often reduce per-unit cost. For example, 4-inch GI concealed boxes are sold in packs of 27, while 5-inch boxes come in packs of 21 .
- o Global Market Trends: Pricing is influenced by raw material costs, manufacturing location (China dominates over 70% of global supply), and compliance with safety standards like IP44 or CE . Tiered pricing is common for bulk orders ranging from 50,000+ units.

Selection Tips

- o Match Size to Application: Ensure the box depth and diameter accommodate the number of switches or circuits.
- o Material Consideration: For humid or wet environments, choose corrosion-resistant GI steel or reinforced

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PVC.

- o Compliance: Verify adherence to local or international standards (EN 60670, IP ratings).
- o Bulk Orders: Negotiate minimum order quantities (MOQ) and tiered pricing for cost efficiency. By considering these dimensions, materials, and pricing factors, you can select concealed electrical boxes that are durable, compliant, and suitable for your specific installation needs .

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Product description This plastic surface / concealed box is very strong double walled design. It can be used on the wall surface or

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Electrical enclosure sizes are not universal, but most manufacturers follow common size families. This guide explains

PVC concealed boxes are durable, non-conductive enclosures used in electrical installations to house and protect

Box Fill and Conductor Space Limits (NEC 314.16) Electrical boxes must provide sufficient space for conductors and

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protection, DIN rail

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Our electrical metal box size chart includes a wide range of concealed box sizes, from compact units to

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