

Distribution box fixing bolts



AI Overview

Distribution boxes typically use M3 to M8 screws made from brass, stainless steel, or alloy steel, chosen for corrosion resistance, electrical conductivity, and load-bearing capacity.

Common Bolt Specifications

Distribution box screws are generally metric sizes M3, M4, M5, M6, and M8, with the choice depending on the component being secured and the mechanical load required .

- M3 screws: Smallest, 3mm diameter, ideal for fixing circuit boards, connecting wires, or lightweight components. They do not require high hardness .
- M4 screws: 4mm diameter, stronger than M3, suitable for heavier components or panels .
- M5–M8 screws: Used for larger panels or structural parts of the distribution box, providing higher load-bearing capacity.

Material Options

- Brass Pan Head Phillips Screws: Corrosion-resistant, nonmagnetic, electrically conductive, suitable for wet environments .
- Alloy Steel Button Head Hex Drive Screws: Nearly twice as strong as stainless steel, black-oxide or zinc-plated for corrosion resistance .
- 18-8 Stainless Steel Button Head Hex Drive Screws: Chemically resistant, mildly magnetic, passivated for oxidation protection ,...

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