



IS 9537 (Part 2) : 1981- Specification for conduits for electrical installations: Part 2 rigid steel conduits

"Rigid Steel Conduits Used in Electrical Installations" are durable, tubular enclosures made from steel, designed to protect electrical wiring in various building and industrial environments.

Applications: Commonly used in residential, commercial, and industrial installations, these conduits are suitable for areas where additional protection for wiring is necessary, such as in exposed environments, industrial plants, and high-traffic or harsh conditions.

The Indian Standard IS 9537 (Part 2): 1981 specifies the requirements for rigid steel conduits used in electrical installations. This standard outlines classifications for conduits based on their resistance to corrosive environments, including low, medium, and high protection levels, and details mechanical properties, marking, and dimensional requirements. It includes a sampling plan for quality control, with criteria for conformity based on both dimensional checks and other acceptance tests. The conduits are evaluated for mechanical strength through bending and compression tests, ensuring they can withstand installation stress without cracking or deforming. Additionally, marking requirements include the manufacturer's name, country of manufacture, and conduit size.

The Indian Standard IS 9537 (Part 2): 1981 confirms that the rigid steel conduits provide a reliable and long-lasting solution for safely housing electrical wiring, especially in settings where enhanced durability and protection are essential.