

Summary of IS 12262: 1988

Specification for Trapezoidal Steel Wires for Spring Washers

This Standard covers the requirements for Steel wires in trapezoidal shape to be used in the manufacture of Springs washers. Spring washers also known as lock washers are a type of washer designed to prevent fasteners such as bolts and nuts from loosening due to vibration or torque. The Steel wires used shall be drawn from Steel manufactured by Open Hearth, Electric, duplex, Basic Oxygen or a combination of these processes. Two grades of material Grade 1 (65C6) and Grade 2 (70C6) is specified in the IS based on chemical composition. Steel wires in various dimensions with corresponding nominal size of washers is specified in the IS. Physical properties such as Tensile strength, Wrapping test, Microstructure and Decarburization are tested on the product. The wires shall be generally supplied in the form of one continuous length, properly coiled. The wire shall not be kinked and wavy.