

Indian Standard IS 7975(Part 2):2018/ ISO 3315:2011 – Assembly Tools for Screws and Nuts Driving Parts for Hand -Operated Square Drive Socket Wrench Part 2 Dimensions and Tests

A guide to purchase and use Safe and Effective Square Drive Socket Wrench

The Square Drive Socket Wrench is used to assemble/disassemble the screws and nuts on a machine part or at any other places which are not accessible directly by hand or requires higher torque. This is a product related to Machine Safety and safety of the operator directly, hence quality and reliability of this product is very important.

The key parameters to ensure a good quality Square Drives Socket Wrench are **Dimensions for proper fitment on screws and nuts, Hardness of material to ensure better life of the tools, Reliability, torsional strength, Important information and Traceability of manufacturer in case of any problem related to quality etc.**

The IS 7975 (Part 2):2018/ ISO 3315:2011 is addresses all above quality parameters through various provisions, given as below:

Sl.no	Quality Parameter	Clause no.
(a)	Shape and Dimensions	Clause 3
(b)	Good quality material, Torsional Strength	Clause 4,5 and 6
(c)	Reliability and Hardness	Clause 5 and 56
(e)	Important information and Traceability of manufacturer in case of any problem related to quality	Clause 8

To ensure the compliance to the above quality parameters products are checked in BIS Laboratory / BIS approved laboratories before Grant of License to a manufacturer. Further during operation of license also, products are checked through a robust Surveillance Mechanism, to continue the license.

It is always advisable to buy/purchase BIS standard mark (ISI) marked Square Drive Socket Wrench to ensure quality, safety and reliability.