

IS 3650:1981 SPECIFICATION FOR COMBINATION SIDE CUTTING PLIERS

Combination side cutting pliers are used in both gripping and cutting. They are typically used by electricians, workmen, and tradespeople for bending and cutting through tough metal wire and electrical cables.

The ISS specifies that the pliers shall have either flat or raised surface for side cutter and the cutting angle shall be from 90° to 120°. Also, the insulating material shall be PVC or any other suitable material as agreed to between the supplier and the purchaser. The insulation shall cover the whole of the handle including the outer ends and may be shoulder at the head end. The insulating material shall adhere firmly to the handles and shall be such that it does not easily splinter or get damaged.

The Indian Standard IS 3650:1981 specify the quality parameters for combination side cutting pliers of nominal sizes 160mm to 250mm. The ISS prescribes requirements of dimensions, hardness, insulation along with cutting test, tube gripping test, shock test, torsion test, handle load test and bend test applicable for Pliers and Nippers as per IS 2615 (Part-2):2023.