

Summary IS 6760 : 1972 Specification for Slotted Counter Sunk Head Wood Screws

Slotted countersunk wood screws are used for wooden assemblies and joinery. They are often used in woodworking applications, such as building furniture, because the countersunk head doesn't protrude above the surface. This creates a smooth surface that's ideal for items that need to be functional, like shelving and tables.

The Indian Standard IS 6760 specifies the requirements for slotted countersunk head wood screws in terms of Material, which may be Carbon Steel conforming to IS 1812 or Brass of grade CuZn37 of IS 4413 or grade CuZn 40 of IS 4170. The ISS prescribes Dimensions like Diameter of unthreaded shank, pitch, diameter and depth of head, width and depth of slot along with applicable Tolerances for Screw No. 0 to 24. The ISS also guides us for preferred length of screw vis-à-vis screw number. The ISS prescribes the method for designating the wood screw by writing Screw number first then length then the number of this standard and lastly material of screw.

This standard through IS 451 prescribes that the threaded portion of the screws shall be formed by progressive reduction of the root diameter to obtain a uniform taper. The thread form throughout the length of the screws shall be such that it will give the maximum bite into the wood when the screw is rotated and strong enough to prevent distortion of threads. Threads shall be clear and well defined. At the end of the threaded portion nearest to the head, the root of the threads shall runout to be nominal diameter within a distance not exceeding one quarter of the length of the threaded portion.

This ISS through IS 451 also prescribes method Marking and Packing that Wood screws shall be coated with a suitable rust preventive and shall be packed in cardboard boxes. Wood screws of 25 mm length and below shall be packed in number of 200 per box and all wood screws of length above 25 mm shall be packed in numbers of 100 per box.