



Indian Standard IS 6760:1972 – For Reliable 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 Slotted countersunk wood screws are required to be designed in such a way that these should penetrate in wood assemblies easily upto **desired length** and have **good strength and grip**. It is also desired that the screw should be **rust proof** for long lasting. **All these characteristics have been addressed in ISI marked Slotted countersunk Head wood screws.**

The Indian Standard IS 6760 specifies the requirements for slotted countersunk head wood screws in terms of Material of construction, 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 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. For example A slotted countersunk head wood screw No. 8, length 20mm and made of steel shall be designated as : **Wood Screw No. 8 x 20 IS : 6760 Steel**, this enables consumer to buy appropriate wood screw.

This standard through IS 451 ensures that the threaded portion of the screws are formed by progressive reduction of the root diameter to obtain a **uniform taper to facilitate easy penetration** in wood assemblies. The thread form throughout the length of the screws are such that it gives the maximum bite into the wood when the screw is rotated and **strong enough to prevent distortion of threads** and Wood screws are **coated with a suitable rust preventive coating**.

Wood screws are required to be packed in cardboard boxes. Wood screws of 25 mm length and below are packed in number of 200 per box and all wood screws of length above 25 mm are packed in numbers of 100 per box.