

MAURITIAN
STANDARD
MS 59—1988



Specification for
Wood Screws

FOREWORD

This Mauritian Standard was drawn up by the Mechanical Engineering Standards Committee through its sub-committee on Wood Screws and approved by the Standards Council on 21 January 1988. It was notified in the Government Gazette on 19 March 1988.*

In preparing this standard reference was made to the following:

AS 1476	...	Metric wood screws
SABS 1171	...	Standard specification for metal screws for wood
BS 18*	...	Methods for tensile testing of metals
BS 1210	...	Specification for wood screws
BS 1473*	...	Wrought aluminium and aluminium alloys for general engineering purposes
BS 2873*	...	Copper and copper alloys. Wire
IS 451	...	Technical supply conditions for wood screws
IS 6736	...	Specification for slotted raised countersunk head wood screws
IS 6739	...	Specification for slotted round head wood screws
IS 6760	...	Specification for slotted countersunk head wood screws
NF E27-141	...	Vis a bois a tete ronde
NF E27-142	...	Vis a bois a tete fraisee
NF E27-143	...	Vis a bois a tete fraisee bombee

Acknowledgement is made for the use of information from the above publications.

*Documents marked with an asterisk are referred to in this standard.

*General Notice No. 290 of 1988.

SPECIFICATION FOR WOOD SCREWS

1 SCOPE

This Mauritian Standard sets out requirements for the dimensions, tolerances and material properties of slotted-head type, recessed-head type, wood screws made of steel, brass, aluminium alloy, silicon bronze and 18/8 stainless steel in nominal sizes of screws from 1.52 to 12.7 mm (Screw Gauge No. 0-32).

2 DEFINITIONS

For the purpose of this standard the following definitions apply.

2.1 *Lot*: Not less than 100 and not more than 10000 screws of the same type, nominal size, finish, and, when relevant, material and type of head recess, from one manufacturer, submitted at any one time for inspection and testing.

2.2 *Nominal size*: The maximum shank diameter or when relevant, the major thread diameter.

3 DESIGNATION

3.1 Types

Screws shall be of one of the following types:

- (a) slotted countersunk head screw (see table 6, figure 1),
- (b) recessed countersunk head screw (see table 7, figure 2);
- (c) slotted round head screw (see table 8, figure 3);
- (d) recessed round head screw (see table 9, figure 4);
- (e) slotted raised countersunk head screw (see table 10, figure 5);
- (f) recessed raised countersunk head screw (see table 11, figure 6).

3.2 Other requirements

If the purchaser requires wood screws other than those provided in 3.1 and 4.1.1, such requirements shall be subject to agreement between the purchaser and the manufacturer.

4 MATERIALS AND MANUFACTURE

4.1 Materials

4.1.1 General

Wood screws are generally manufactured from cold-drawn mild steel wire or cold drawn brass wire as specified by the purchaser. The mechanical tests shall be carried out on unmachined wire test pieces prior to the manufacture of the wood screws. Where wood screws are heat treated, the mechanical tests shall be carried on unmachined wire test pieces which have been heat treated with the wood screws.

All mechanical tests shall be carried out in accordance with BS 18 but in all cases the elongation shall be calculated on a gauge length of $5.65 \sqrt{\text{area}}$.