
International Standard



7572

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Conditions of acceptance and installation for work-holding fixed tables of machine tools

Conditions de réception et d'installation des tables porte-pièces pour machines-outils

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Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 7572 was developed by Technical Committee ISO/TC 39, *Machine tools*, and was circulated to the member bodies in October 1982.

It has been approved by the member bodies of the following countries :

Belgium	Hungary	Poland
Brazil	India	South Africa, Rep. of
China	Italy	Spain
Czechoslovakia	Japan	Sweden
Egypt, Arab Rep. of	Korea, Dem. P. Rep. of	Switzerland
France	Korea, Rep. of	United Kingdom
Germany, F.R.	Mexico	USA

The member body of the following country expressed disapproval of the document on technical grounds :

USSR

Conditions of acceptance and installation for work-holding fixed tables of machine tools

1 Scope and field of application

This International Standard defines the work-holding fixed tables of machine tools. It also describes, with reference to ISO/R 230, both geometrical tests and the conditions of installation of these fixed tables and gives the corresponding permissible deviations which apply for two classes of accuracy (qualities A and B).

2 References

ISO/R 230, *Machine tool test code*.

ISO 3070/0, *Test conditions for boring and milling machines with horizontal spindle — Testing of the accuracy — Part 0: General introduction*.

ISO 3070/2, *Test conditions for boring and milling machines with horizontal spindle — Testing of the accuracy — Part 2: Floor type machines*.

3 Definition

work-holding fixed table (sometimes called a floor-plate) for machine tools : Plate provided with inner ribs and T slots on its "functional surface".

The dimensions of these fixed tables are variable. Very large fixed tables are often made up of several parts, which may or may not be identical.

Securing to the ground is ensured by fixing bolts. Levelling is carried out with the aid of a special device, for example : a special screw.

4 Mounting and use

This fixed table is normally mounted at the side of the bed of the corresponding machine which is often a milling machine of great capacity or a boring and milling machine (see figure 1).

It is placed so that the axis of the T slots are perpendicular or parallel to the spindle axis.

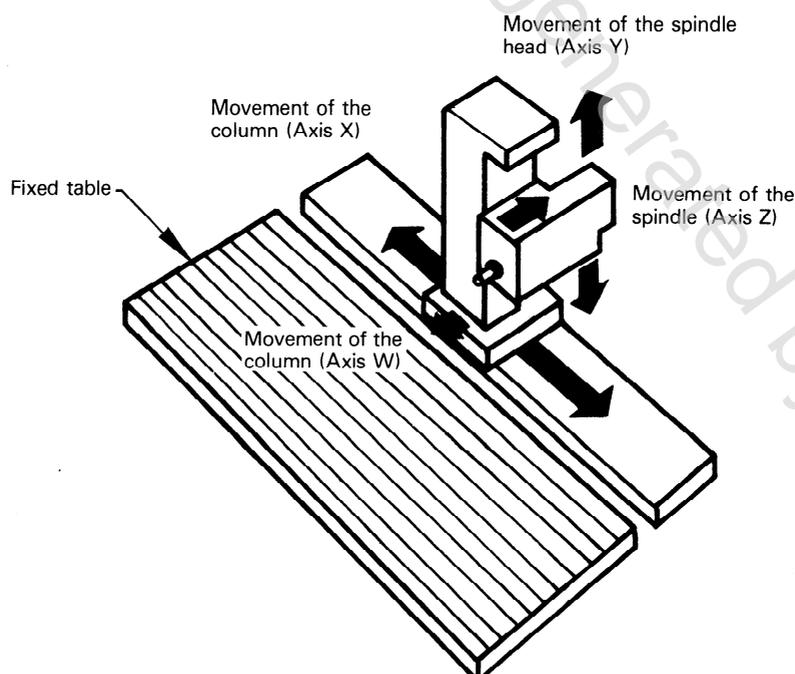


Figure 1