
INTERNATIONAL STANDARD



2912

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Modular units for machine tool construction — Multi-spindle heads — Casing and input drive shaft dimensions

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

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 2912 was drawn up by Technical Committee ISO/TC 39, *Machine tools*, and circulated to the Member Bodies in August 1972.

It has been approved by the Member Bodies of the following countries :

Austria	Hungary	Switzerland
Belgium	India	Thailand
Bulgaria	Ireland	Turkey
Czechoslovakia	New Zealand	U.S.A.
Egypt, Arab Rep. of	Romania	U.S.S.R.
France	South Africa, Rep. of	
Germany	Sweden	

The Member Bodies of the following countries expressed disapproval of the document on technical grounds :

Japan
United Kingdom

Modular units for machine tool construction – Multi-spindle heads – Casing and input drive shaft dimensions

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies a range of basic dimensions for multi-spindle head casings and also gives dimensions for the interchangeability of multi-spindle head input drive shafts with motor coupling.

2 REFERENCE

ISO 2562, *Modular units for machine tool construction – Slide units.*

3 NOMINAL SIZES

The nominal size of multi-spindle heads is given by the nominal width of the saddle on the related slide unit (see ISO 2562). Nine nominal sizes are adopted, namely 125, 160, 200, 250, 320, 400, 500, 630 and 800 mm.

4 DIMENSIONS

4.1 The range of basic dimensions for multi-spindle head casings shall be in accordance with Table 1. Precise selections from this range may be made in national standards.

4.2 Input drive shaft dimensions shall be in accordance with Table 2.