
INTERNATIONAL STANDARD



3371

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Modular units for machine tool construction — Rotary tables and multi-sided centre bases for rotary tables

Éléments standard pour la construction des machines-outils — Plateaux tournants porte-pièces et bâtis centraux multi-côtés pour plateaux tournants porte-pièces

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FOREWORD

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International Standard ISO 3371 was drawn up by Technical Committee ISO/TC 39, *Machine tools*, and circulated to the Member Bodies in January 1974.

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

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

Germany
United Kingdom
U.S.A.

Modular units for machine tool construction – Rotary tables and multi-sided centre bases for rotary tables

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies envelope dimensions for rotary tables and multi-sided centre bases for rotary tables used in special purpose machines constructed from modular units.

2 SPECIFICATIONS

2.1 Dimensions of multi-sided centre bases

Dimensions shall be in accordance with table 1.

2.2 Dimensions of workpiece rotary tables

Dimensions shall be in accordance with table 2.

2.3 Location of multi-sided centre bases

Location to wing bases may be by means of tenon and slot or by dowels.

3 MULTI-SIDED CENTRE BASES FOR ROTARY TABLES

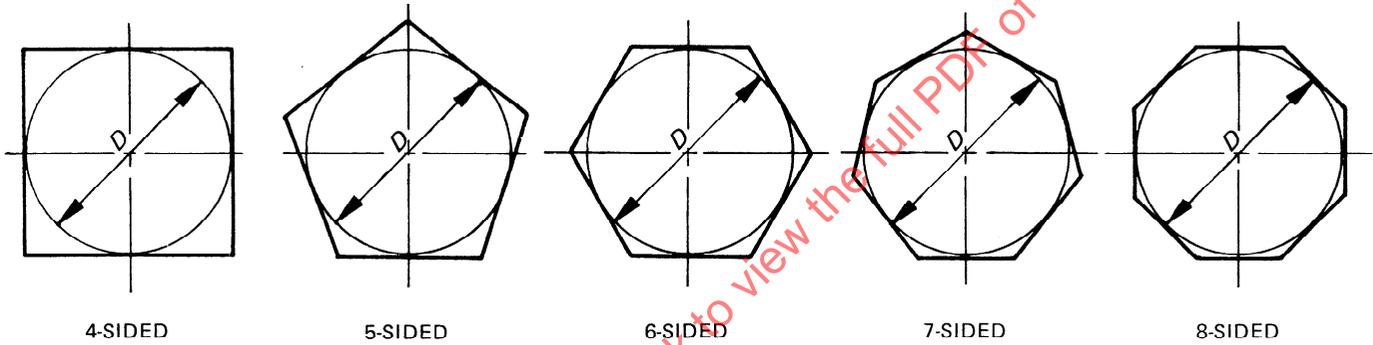
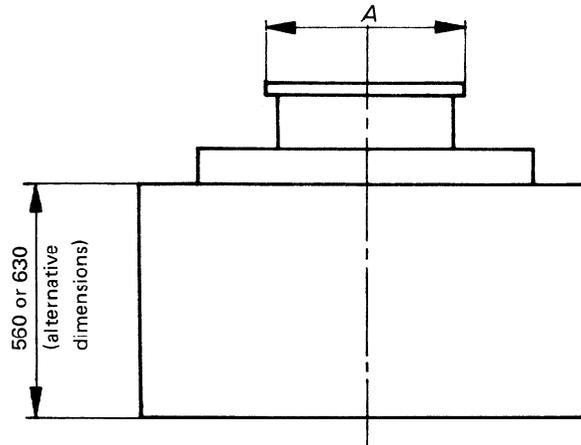


TABLE 1 – Dimensions of centre bases

Dimensions in millimetres

Table diameter <i>A</i>	Diameter of inscribed circle <i>D</i>
320	680
400	760* 840
500	860* 940
630	1 070* 1 170
800	1 240* 1 340
1 000	1 440* 1 540
1 250	1 690* 1 790
1 600	2 140
2 000	2 540

* Avoid these values, if possible.

4 ROTARY TABLES

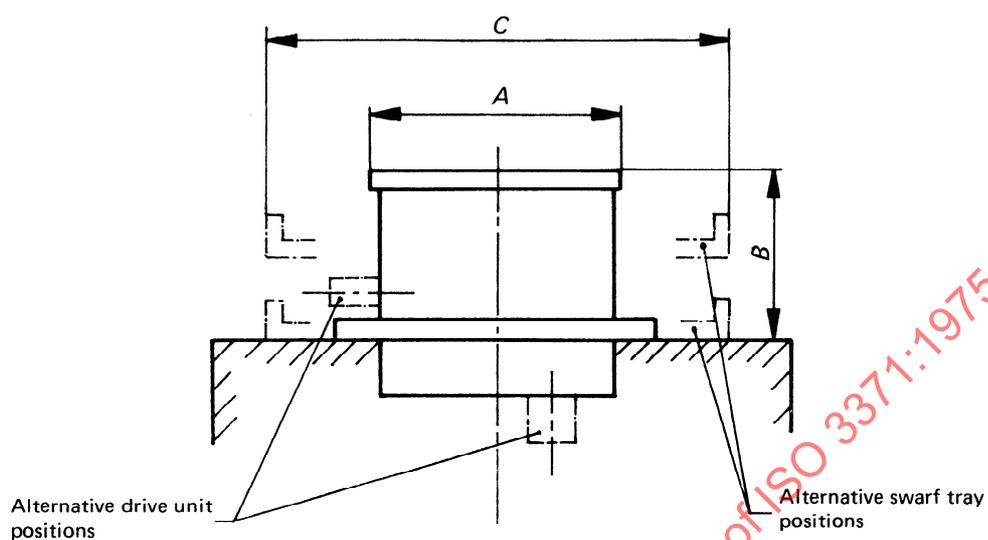


TABLE 2 – Dimensions of rotary tables

Dimensions in millimetres

Table diameter <i>A</i>	Height <i>B</i>		Diameter of swarf tray <i>C</i>
320	160	250	640
400	160	250	720* 800
500	160	250	820* 900
630		250	400
800		250	400
1 000		250	400
1 250		250	400
1 600		250	400
2 000		250	400

* Avoid these values, if possible.

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