
INTERNATIONAL STANDARD



2934

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

**Modular units for machine tool construction – Wing base
for columns**

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iTeh STANDARD PREVIEW
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[ISO 2934:1973](https://standards.iteh.ai/catalog/standards/sist/cdc796d6-a909-4a6b-97f8-079c35f7333c/iso-2934-1973)

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UDC 621.9 – 112

Ref. No. ISO 2934-1973 (E)

Descriptors : machine tools, elements, modular structures, frames, dimensions, interchangeability.

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 2934 was drawn up by Technical Committee ISO/TC 39, *Machine tools*, and circulated to the Member Bodies in September 1972.

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

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

The Member Body of the following country expressed disapproval of the document on technical grounds :

Japan

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1 SCOPE AND FIELD OF APPLICATION [ISO 2934:1973](https://standards.iteh.ai/catalog/standards/sist/cdc796d6-a909-4a6b-97f8-07e597535ca0/iso-2934-1973)

This International Standard specifies certain dimensions relating to the interchangeability of wing bases for columns used in special purpose machines constructed from modular units.

2 REFERENCE

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

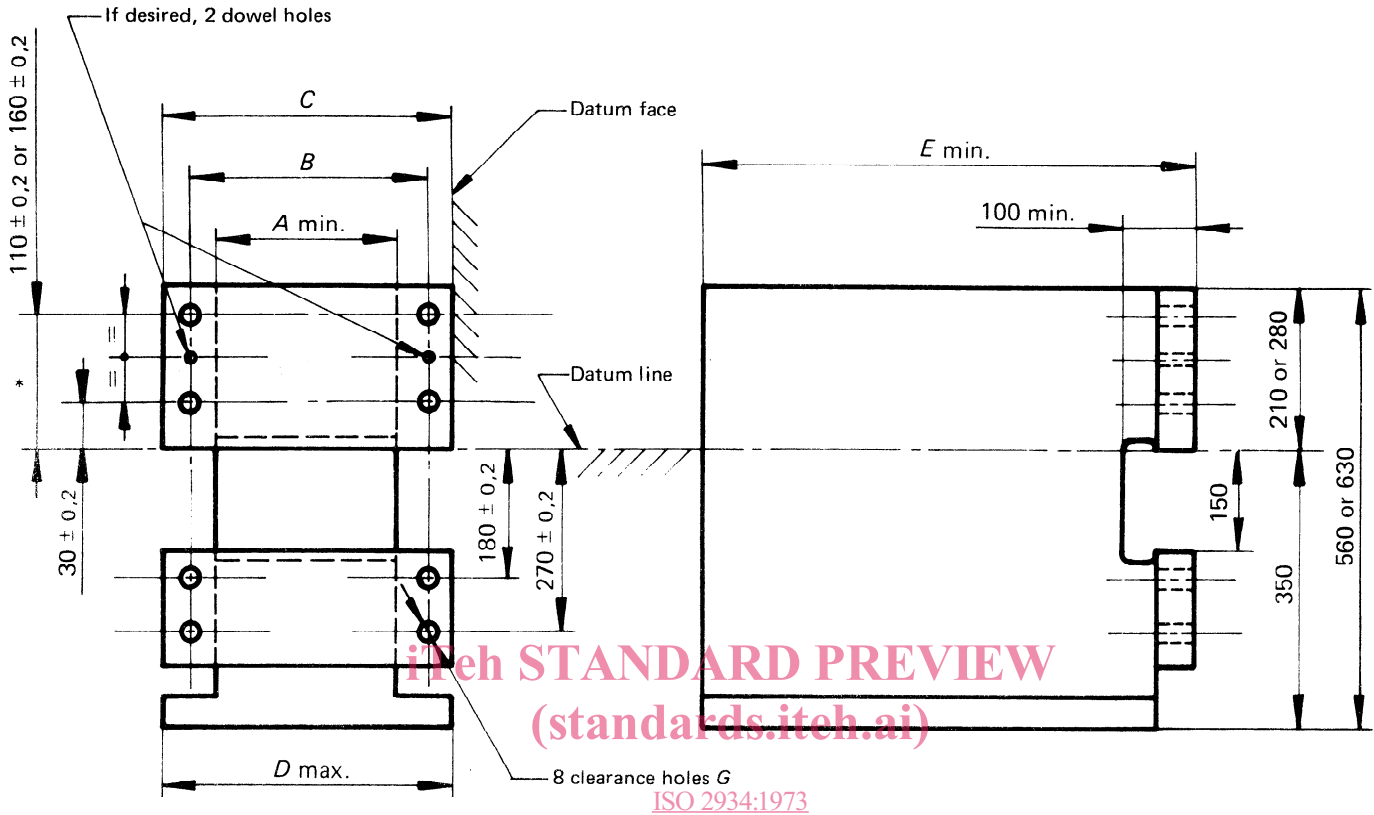
3 NOMINAL SIZE AND DESIGNATION

The nominal size of a wing base for columns is given by the nominal width of the saddle on the related slide unit (see ISO 2562) which is to be accommodated on the column.

The following five sizes have been adopted : 250, 320, 400, 500, 630 mm.

4 DIMENSIONS

Dimensions in millimetres



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* The alternative bolt centres can be used with either height of wing base.
<https://standards.itech.ai/catalog/standards/sist/cdc796d6-a909-4a6b-97f8-079c35f7333c/iso-2934-1973>

NOTE — Wing bases for slide units are dealt with in ISO 2769.

Values in millimetres

Nominal size of saddle	Seating width	Bolt hole centres	Flange width	Base width	Overall length	Clearance hole G to suit thread
	A min.	B ± 0,2	C	D max.	E min.	
250	340	465	520	520	800	M 20
320	420	545	600	600	900	M 20
400	520	645	700	700	1 000	M 20
500	650	775	830	830	1 120	M 20 or M 24
630	820	945	1 000	1 000	1 250	M 20 or M 24