
INTERNATIONAL STANDARD



3970

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

Modular units for machine tool construction — Integral way columns — Floor-mounted type

Éléments standard pour la construction des machines-outils — Montants à glissière incorporée — Montage au sol

First edition — 1977-03-15

Sample Document

get full document from standards.iteh.ai

UDC 621.9-112

Ref. No. ISO 3970-1977 (E)

Descriptors : machine tools, modular units, pillars, 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 3970 was developed by Technical Committee ISO/TC 39, *Machine tools*, and was circulated to the member bodies in November 1975.

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

Australia	India	Spain
Austria	Italy	Sweden
Belgium	Japan	Turkey
Bulgaria	Korea, Dem. P. Rep. of	United Kingdom
Czechoslovakia	Mexico	U.S.A.
France	Romania	U.S.S.R.
Hungary	South Africa, Rep. of	Yugoslavia

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

Germany

Modular units for machine tool construction — Integral way columns — Floor-mounted type

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies certain dimensions relating to the interchangeability of integral way columns of the floor-mounted type used in special purpose machines constructed from modular units.

The method of construction is alternative to that given in ISO 3589.

2 REFERENCES

ISO 2934, *Modular units for machine tool construction — Wing bases for columns.*

ISO 3589, *Modular units for machine tool construction — Integral way columns.*

3 DIMENSIONS

Dimensions for columns shall be in accordance with the table.

3.1 The dimensions laid down for the length h_1 of the saddle may be decreased by one step using values from the R10 series of preferred numbers.

3.2 The dimensions given for the stroke S may be increased using values chosen from the R 5 series of preferred numbers.

If required, other values may be chosen from the R 10 series of preferred numbers.