INTERNATIONAL STANDARD ISO 2562

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

Modular units for machine tool construction — Slide units

First edition — 1973-02-15

UDC 621.9 — 112

Ref. No. ISO 2562-1973 (E)

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

Price based on 2 pages

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 2562 was drawn up by Technical Committee ISO/TC 39, *Machine tools.*

It was approved in March 1972 by the Member Bodies of the following countries :

Belgium	Italy	Spain
Czechoslovakia	Japan	Sweden
Egypt, Arab Rep. of	Netherlands	Switzerland
France	Poland	Thailand
Germany	Romania	Turkey
Hungary	South Africa, Rep. of	United Kingdom

No Member Body expressed disapproval of the document.

Printed in Switzerland

Modular units for machine tool construction — Slide units

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies certain dimensions relating to the interchangeability of slide units used in special machines constructed from modular units.

2 NOMINAL SIZES AND DESIGNATION

The nominal size is given by the width of the saddle, *W*.

The following nine nominal sizes are adopted:

125, 160, 200, 250, 320, 400, 500, 630, and 800 mm.

3 GENERAL DIMENSIONS

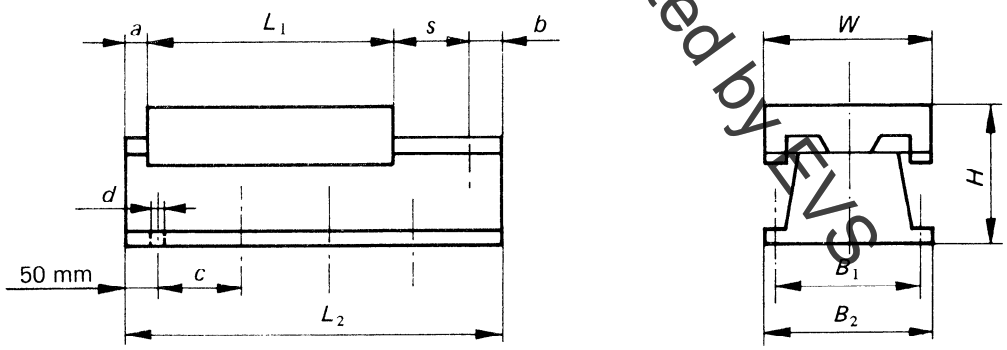
For the range of nominal sizes from 125 to 800 mm, the dimensions shall be in accordance with those given in the Table.

3.1 The dimensions given for the stroke *S* may be increased using values from the R 5 series of preferred numbers. If required, other values may be chosen from the R 10 series of preferred numbers.

Any such increase will affect the overall length of the slide base L_2.

3.2 The dimensions given for the length of saddle L_1 may be increased using values from the R 10 series of preferred numbers.

3.3 The dimension given for the height *H* may be reduced using values from the R 20 series of preferred numbers.



c = multiples of 50 mm

$a + b$ = 40 mm min.

$L_2 = L_1 + S + 40$ mm min.

FIGURE — **General dimensions**