
INTERNATIONAL STANDARD



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

ISO general purpose metric screw threads — Selected sizes for screws, bolts and nuts

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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.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, International Standard ISO 262 replaces ISO Recommendation R 262-1969 drawn up by Technical Committee ISO/TC 1, *Screw threads*.

The Member Bodies of the following countries approved the Recommendation :

Austria	Israel	South Africa, Rep. of
Belgium	Italy	Spain
Canada	Japan	Sweden
Chile	Korea, Rep. of	Switzerland
Czechoslovakia	Netherlands	Thailand
Cuba	New Zealand	Turkey
Denmark	Norway	U.A.R.
France	Peru	United Kingdom
Germany	Poland	U.S.S.R.
Hungary	Portugal	
India	Romania	

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

Australia
U.S.A.

ISO general purpose metric screw threads — Selected sizes for screws, bolts and nuts

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies ISO general purpose metric screw threads for screws, bolts and nuts in the diameter range 1 to 39 mm.

These selected sizes are recommended also for general engineering use.

These screw threads are selected from ISO 261, *ISO general purpose metric screw threads — General plan*.

2 DESIGNATION

A screw thread in conformity with this International Standard shall be designated by the letter M followed by the value of the nominal diameter and of the pitch, expressed in millimetres and separated by the sign X.

Example : M8 X 1

The absence of the indication of pitch means that a coarse pitch is specified.

Example : M8

3 SIZES

Dimensions in millimetres

Nominal diameters		Pitch	
Col. 1 1st choice	Col. 2 2nd choice	coarse	fine
1 1,2	1,1	0,25 0,25 0,25	
1,6	1,4 1,8	0,3 0,35 0,35	
2 2,5	2,2	0,4 0,45 0,45	
3 4	3,5	0,5 0,6 0,7	
5 6	4,5	0,75 0,8 1	
8 10	7	1 1,25 1,5	1 1,25
12 16	14	1,75 2 2	1,25 1,5 1,5
20	18 22	2,5 2,5 2,5	1,5 1,5 1,5
24 30	27	3 3 3,5	2 2 2
36	33 39	3,5 4 4	2 3 3