

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

ICS 21.040.10

# National foreword

This British Standard reproduces verbatim ISO 262:1998 and implements it as the UK national standard.

The UK participation in its preparation was entrusted by Technical Committee FME/9, Bolts, nuts and accessories, to Subcommittee FME/9/3, Reference standards for fasteners, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

## Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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## Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the ISO title page, pages ii to iv, page 1 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

This British Standard, having been prepared under the direction of the Engineering Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 April 1999

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## Amendments issued since publication

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STANDARD

ISO  
262

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

*Filetages métriques ISO pour usages généraux — Sélection de dimensions  
pour la boulonnerie*



Reference number  
ISO 262:1998(E)

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**Descriptors:** Screw threads, ISO metric threads, screws, bolts, nuts (fasteners), form specifications, dimensions, diameters, thread pitch.

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 262 was prepared by Technical Committee ISO/TC 1, *Screw threads*, Subcommittee SC 1, *Basic data*.

This second edition cancels and replaces the first edition (ISO 262:1973) which has been technically revised.





## 1 Scope

This International Standard specifies selected sizes for screws, bolts and nuts in the diameter range from 1 mm to 64 mm of ISO general purpose metric screw threads (M) having basic profile according to ISO 68-1.

These selected sizes are recommended also for general engineering use.

These screw threads are selected from ISO 261.

For thread designations see ISO 965-1.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 68-1:1998, *ISO general purpose screw threads — Basic profile — Part 1: Metric screw threads*.

ISO 261:1998, *ISO general purpose metric screw threads — General plan*.

ISO 965-1:1998, *ISO general purpose metric screw threads — Tolerances — Part 1: Principles and basic data*.

ISO 5408:1983, *Cylindrical screw threads — Vocabulary*.

## 3 Definitions

For the purposes of this International Standard, the definitions given in ISO 5408 apply.

## 4 Selected sizes

See Table 1.

**Table 1**

Dimensions in millimetres

Nominal diameter <i>D, d</i>		Pitch <i>P</i>		
1st choice	2nd choice	coarse	fine	
1		0,25		
1,2	1,4	0,25 0,3		
1,6	1,8	0,35 0,35 0,4		
2				
2,5	3,5	0,45 0,5 0,6		
3				
4		0,7		
5		0,8		
6		1		
	7	1		
8		1,25	1	
10		1,5	1,25	1
12	14	1,75	1,5	1,25
16		2 2	1,5 1,5	
	18	2,5	2	1,5
20		2,5	2	1,5
	22	2,5	2	1,5
24		3	2	
	27	3	2	
30		3,5	2	
	33	3,5	2	
36	39	4 4	3 3	
42		4,5	3	
	45	4,5	3	
48		5	3	
	52	5	4	
56	60	5,5	4	
		5,5	4	
64		6	4	

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