
INTERNATIONAL STANDARD



2338

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

Parallel pins, unhardened — Metric series

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[ISO 2338:1972](#)

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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.

International Standard ISO 2338 was drawn up by Technical Committee ISO/TC 2, *Bolts, nuts and accessories*.

It was approved in July 1971 by the Member Bodies of the following countries:

Austria	Hungary	Norway
Belgium	India	Poland
Canada	Ireland	Portugal
Czechoslovakia	Israel	Romania
Denmark	Italy	South Africa, Rep. of
Egypt, Arab Rep. of	Japan	Switzerland
Finland	Korea, Rep. of	Turkey
France	Netherlands	United Kingdom
Germany	New Zealand	U.S.S.R.

The Member Body of the following country expressed disapproval of the document:

Sweden

Parallel pins, unhardened – Metric series

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the dimensions and tolerances of unhardened parallel pins of the metric series, classified in three types, A, B and C, in decreasing order of precision.

2 REFERENCE

ISO/R 888, *Nominal lengths for bolts, screws and studs – Thread lengths for general purpose bolts.*

3 DIMENSIONS

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Type A
Tolerance on d : m6

Type B
Tolerance on d : h8

Type C
Tolerance on d : h11

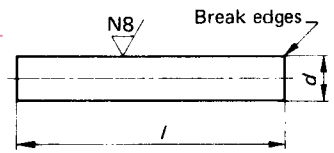
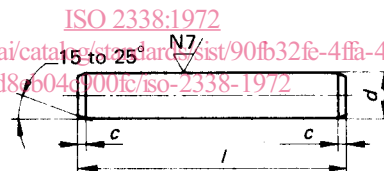
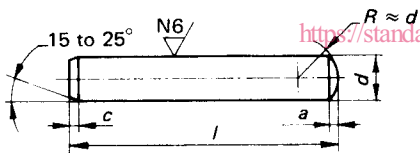


TABLE 1 – Dimensions (except length l ; see Table 2)

Values in millimetres

d	0.6	0.8	1	1.2	1.5	2	2.5	3	4	5	6	8	10	12	16	20	25	30	40	50
$a \approx$	0.08	0.1	0.12	0.16	0.2	0.25	0.3	0.4	0.5	0.63	0.8	1	1.2	1.6	2	2.5	3	4	5	6.3
$c \approx$	0.12	0.16	0.2	0.25	0.3	0.35	0.4	0.5	0.63	0.8	1.2	1.6	2	2.5	3	3.5	4	5	6.3	8

TABLE 2 – Standard lengths

Values in millimetres

Length $/j_s 15$	Diameter d																				
	0.6	0.8	1	1.2	1.5	2	2.5	3	4	5	6	8	10	12	16	20	25	30	40	50	
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190																					
200																					

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LENGTHS

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For lengths above 200 mm, use steps of 20 mm.

For special circumstances, intermediate lengths selected from ISO/R 888 are acceptable.