INTERNATIONAL STANDARD 3508

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

Thread run-outs for fasteners with thread in accordance with ISO 261 and ISO 262

Filets incomplets pour les éléments de fixation avec un filetage selon ISO 261 et ISO 262

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Descriptors : screws, screw threads, thread run-out, metric system.

Price based on 3 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 3508 was drawn up by Technical Committee ISO/TC 2, *Fasteners,* and circulated to the Member Bodies in September 1974.

It has been approved by the Member Bodies of the following countries :

Australia	Germany	Romania
Austria	Hungary	South Africa, Rep. of
Belgium	India	Sweden
Bulgaria	Ireland	Switzerland
Canada	New Zealand	Turkey
Chile	Norway	United Kingdom
Denmark	Poland	U.S.S.R.
Finland	Portugal	Yugoslavia

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

France
Italy
U.S.A.

Printed in Switzerland

Thread run-outs for fasteners with thread in accordance with ISO 261 and ISO 262

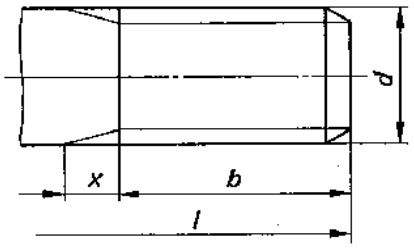
1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies thread run-outs for fasteners with thread in accordance with ISO 261, *ISO general purpose metric screw threads — General plan,* and with ISO 262, *ISO general purpose metric screw threads — Selected sizes for screws, bolts and nuts.*

It does not apply to those threaded fasteners where special requirements are laid down in the product standards.

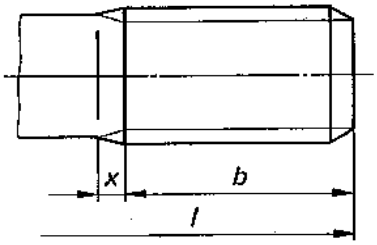
Machined thread

(shank diameter = thread diameter)

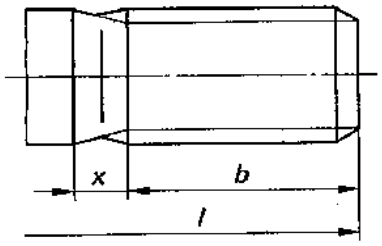


Rolled thread

(shank diameter ≈ pitch diameter)



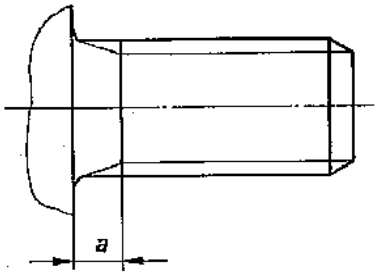
(shank diameter = thread diameter)

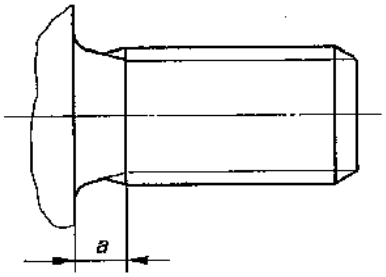


b = thread length

l = nominal length of the bolt or screw

Fully threaded screws — Distance of the last full form thread from the bearing area





Dimensions in millimetres

Pitch of the thread p	Thread diameter d (coarse thread)	x max.		a max.		
		normal ($\approx 2,5\,p$)	short ($\approx 1,25\,p$)	normal ($\approx 3\,p$)	short ($2\,p$)	long ($4\,p$)
0,2	—	0,5	0,25	0,6	0,4	0,8
0,25	1; 1,2	0,6	0,3	0,75	0,5	1
0,3	1,4	0,75	0,4	0,9	0,6	1,2
0,35	1,6; 1,8	0,9	0,45	1,05	0,7	1,4
0,4	2	1	0,5	1,2	0,8	1,6
0,45	2,2; 2,5	1,1	0,6	1,35	0,9	1,8
0,5	3	1,25	0,7	1,5	1	2
0,6	3,5	1,5	0,75	1,8	1,2	2,4
0,7	4	1,75	0,9	2,1	1,4	2,8
0,75	4,5	1,9	1	2,25	1,5	3
0,8	5	2	1	2,4	1,6	3,2
1	6; 7	2,5	1,25	3	2	4
1,25	8	3,2	1,6	4	2,5	5
1,5	10	3,8	1,9	4,5	3	6
1,75	12	4,3	2,2	5,3	3,5	7
2	14; 16	5	2,5	6	4	8
2,5	18; 20; 22	6,3	3,2	7,5	5	10
3	24; 27	7,5	3,8	9	6	12
3,5	30; 33	9	4,5	10,5	7	14
4	36; 39	10	5	12	8	16
4,5	42; 45	11	5,5	13,5	9	18
5	48; 52	12,5	6,3	15	10	20
5,5	56; 60	14	7	16,5	11	22
6	64; 68	15	7,5	18	12	24

NOTES

Run-out x normal for all types of screws in product grades A, B and C.

Run-out x short only in cases where a short run-out is required for technical reasons.

Distance a normal for all types of screws in product grade A.

Distance a long for all types of screws in product grades B and C.