

Fasteners - Bolts, screws and studs - Nominal lengths and thread lengths (ISO 888:2012)

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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EUROPEAN STANDARD

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English Version

Fasteners - Bolts, screws and studs - Nominal lengths and thread lengths (ISO 888:2012)

Fixations - Vis, goujons et tiges filetées - Longueurs nominales et longueurs filetées (ISO 888:2012)

Verbindungselemente - Schrauben - Nenn- und Gewindelängen (ISO 888:2012)

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European foreword

The text of ISO 888:2012 has been prepared by Technical Committee ISO/TC 2 “Fasteners” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 888:2018 by Technical Committee CEN/TC 185 “Fasteners” the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2018, and conflicting national standards shall be withdrawn at the latest by December 2018.

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Endorsement notice

The text of ISO 888:2012 has been approved by CEN as EN ISO 888:2018 without any modification.

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Fasteners — Bolts, screws and studs — Nominal lengths and thread lengths

1 Scope

This International Standard specifies lengths and thread lengths for bolts, screws and studs for use in appropriate product standards and other relevant documents, e.g. for parts per drawing.

It applies to bolts, screws and studs with ISO metric screw thread according to ISO 68-1.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

ISO 225, *Fasteners — Bolts, screws, studs and nuts — Symbols and descriptions of dimensions*

ISO 4753, *Fasteners — Ends of parts with external ISO metric thread*

ISO 4759-1, *Tolerances for fasteners — Part 1: Bolts, screws, studs and nuts — Product grades A, B and C*

3 Symbols

b	thread length
b_1	thread length of one end for double-end stud
b_2	thread length of the other end for double-end stud
b_m	thread length of the stud metal end
d	basic major diameter (nominal diameter) of the thread
l	nominal length (of the bolt, screw or stud)
l_g	distance from the bearing face to the first full form (full profile) thread (bolt), as specified in ISO 225
l_s	length of the unthreaded shank
P	pitch of the thread

4 Position of lengths and thread lengths

4.1 General

The nominal length, l , and the thread length, b , features for bolts, screws and studs are specified in ISO 225.

Points for bolts and screws are usually included in the length and thread length, except for the pilot point; they are specified in ISO 4753.