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BSI Standards Publication

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

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National foreword

This British Standard is the UK implementation of EN ISO 888:2018. It is identical to ISO 888:2012. It supersedes BS ISO 888:2012, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee FME/9/-/2, Fasteners for structural bolting.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 May 2012.

Amendments/corrigenda issued since publication

Date	Text affected
31 July 2018	This corrigendum renumbers BS ISO 888:2012 as BS EN ISO 888:2018

EUROPÄISCHE NORM

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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)

This European Standard was approved by CEN on 23 April 2018.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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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of an identical text or by endorsement, at the latest by December 2018, and conflicting national standards shall be withdrawn at the latest by December 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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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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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 888 was prepared by Technical Committee ISO/TC 2, *Fasteners*, Subcommittee SC 7, *Reference standards*.

This second edition cancels and replaces the first edition (ISO 888:1976), which has been technically revised.

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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.