SLOVENSKI STANDARD
SIST ISO 888:2015

01-marec-2015

Nadomešča:
SIST ISO 888:2000

Vezni elementi - Sorniki, vijaki in zatiči - Imenske dožine in dolžine navoja

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

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Fixations - Vis, goujons et tiges filetées - Longueurs nominales et longueurs filetées

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Ta slovenski standard je istoveten z: ISO 888:2012

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ICS:

21.060.10 Sorniki, vijaki, stebelni vijaki Bolts, screws, studs

SIST ISO 888:2015 **en,fr**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

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INTERNATIONAL STANDARD

ISO 888

Second edition
2012-04-15

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

Fixations — Vis, goujons et tiges filetées — Longueurs nominales et longueurs filetées

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SIST ISO 888:2015

Contents

Page

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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*

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3 Symbols

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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.

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4.2 Bolts and screws

For bolts and screws with effective bearing surface perpendicular to the axis, the length shall be defined from the bearing face to the end of the bolt or screw; see Figure 1.

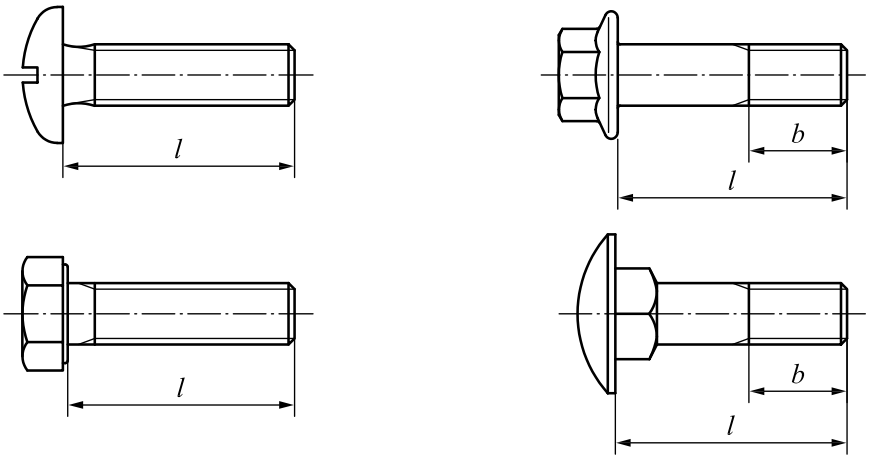

Figure 1 — Length for bolts and screws with effective bearing surface perpendicular to the axis

For flat countersunk bolts and screws, the length shall be defined from the upper edge of the head to the end of the bolt or screw; see Figure 2.

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Figure 2 — Length for bolts and screws with flat countersunk head

For raised countersunk bolts and screws, the length shall be defined from the theoretical intersection of the top surface of the head with the head diameter to the end of the bolt or screw; see Figure 3.

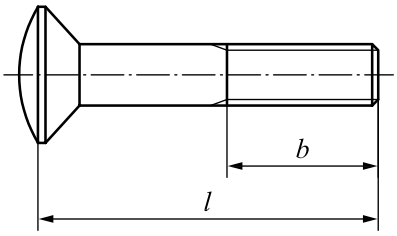

Figure 3 — Length for bolts and screws with raised countersunk head

For concave bearing surfaces, serrated bearing surface and similar, the length shall be defined from the effective bearing plane of the bearing face to the end of the bolt or screw; see Figures 4 and 5.

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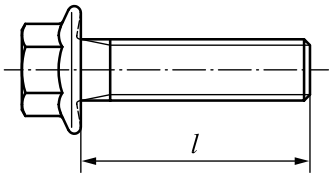

Figure 4 — Length for bolts and screws with concave bearing surface

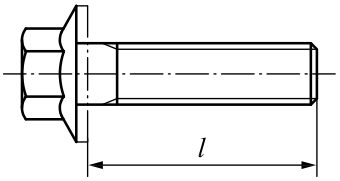

Figure 5 — Length for bolts and screws with serrated bearing surface

4.3 Headless screws and set screws

For headless screws and set screws, the length shall be defined from one extreme end to the other; see Figures 6 and 7.

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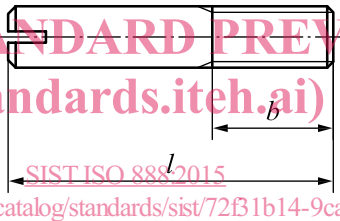

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Figure 6 — Length for headless screws with shank

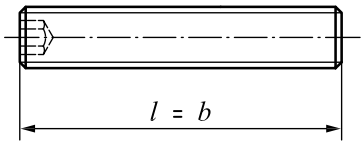

Figure 7 — Length for set screws

4.4 Studs and similar fasteners

For partially threaded studs (double-end studs), the length shall be defined from the thread run-out at the metal end to the end of the stud at the nut end; see Figure 8.

NOTE The thread length of the stud metal end, b_m, according to ISO 225, is not within the scope of this International Standard.

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