

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION MEX AND A POPAHUSALUAR OF CAHAAPTUSALUA ORGANISATION INTERNATIONALE DE NORMALISATION

Tolerances for fasteners – Part I : Bolts, screws and nuts with thread diameters \ge 1,6 and \le 150 mm and product grades A, B and C

Tolérances pour éléments de fixation — Partie I : Boulons, vis et écrous de diamètre de filetage ≥ 1,6 et ≤ 150 mm et de niveau de finition A, B et C

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Descriptors : fasteners, bolts, screws, nuts (fasteners), dimensional tolerances, form tolerances, tolerances of position.

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 4759/I was developed by Technical Committee ISO/TC 2, *Fasteners*, and was circulated to the member bodies in April 1977.

(standards.iteh.ai) It has been approved by the member bodies of the following countries :

Austria	Germany	ISO 4759-1:1978 Norway, (1) 1978
Belgium	https://standards.iteh.ai/d Hungary	catalog/standards/sist/260d48a2-de3a-4d26-a36f-
Brazil	India 704	569152e12/ise-4759-1-1978
Bulgaria	Ireland	South Africa, Rep. of
Canada	Italy	Spain
Chile	Japan	Switzerland
Czechoslovakia	Korea, Rep. of	Turkey
Denmark	Mexico	United Kingdom
Finland	Netherlands	U.S.S.R.
France	New Zealand	Yugoslavia

The member bodies of the following countries expressed disapproval of the document on technical grounds :

Australia Sweden U.S.A.

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Tolerances for fasteners —

Part I : Bolts, screws and nuts with thread diameters \ge 1,6 and \leq 150 mm and product grades A, B and C

iTeh STANDARD PREVIEW (standards.iteh.ai)

1 SCOPE AND FIELD OF APPLICATION

The tolerances of form and of position conform to ISO 4759-1: ISO R 1101/I, Technical drawings - Tolerances of form This International Standard, gives a selection of tolerances and of position -3. Part I-2 Generalities, symbols, indications specified in ISO/R 286, ISO system of limits and fits ______(4569152e12/iso--ondrawings. Part I: General, tolerances and deviations, and in ISO 965/III, ISO general purpose metric screw threads -

Tolerances - Part III: Deviations for constructional threads, for use in the preparation of ISO product standards for bolts, screws and nuts with thread diameters from 1,6 up to an including 150 mm and product grades A, B and C.

Deviations from the tolerances in this International Standard are permitted in product standards only for valid technical reasons.

It is recommended that these tolerances should also be used for non-standardized fasteners.

In cases where the maximum material principle according to ISO 1101/II, Technical drawings - Tolerances of forms and of position - Part II: Maximum material principle, is appropriate to certain features of certain products in these ISO product standards, other tolerances may be applicable.

NOTE - The product grades refer to the quality of the product and to the size of the tolerances where grade A is the most precise and grade C is the least precise.















