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ISO 4759-1:2000 Tolerances for fasteners - Part 1: Bolts, screws, studs and nuts - Product grades A, B and C

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Abbreviation

ISO 4759-1:2000

Valid from

09/11/2000

Information provider

Standards New Zealand

Author

International Standardization Organisations

Information type

ISO Standard

Format

PDF

Cited By

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Description

This part of ISO 4759 specifies a selection of tolerances for bolts, screws, studs and nuts with ISO metric threads and with product grades A, B and C and for tapping screws with product grade A.

Scope

The product grades refer to the size of the tolerances where grade A is the most precise and grade

C is the least precise.

The tolerances, except tolerances for threads, are selected from the system of limits and fits specified in ISO 286-1 and ISO 286-2. The tolerances for metric threads are taken from the series of tolerance classes specified in ISO 965-3.

The tolerances for tapping screw threads are covered in ISO 1478.

The tolerances of form and position are specified and indicated in accordance with ISO 1101, ISO 8015 and ISO 2692. The tolerances specified in this part of ISO 4759 apply to fasteners prior to coating unless otherwise specified.

See also ISO 4042. Deviations from the tolerances specified in this part of ISO 4759 are only permitted in product standards where there are valid technical reasons. In cases where there is a difference between the tolerance requirements in this part of ISO 4759 and the product standard, the product standard takes precedence.

It is recommended that these tolerances also be used for non-standard fasteners. Dimensions and tolerances given in this part of ISO 4759 are in millimetres.

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- [AS 1111.1:2000](#)

ISO 4759-1:2000 is cited by AS 1111.1:2000 ISO metric hexagon bolts and screws - Product grade C - Bolts

- [BS EN 14399-1:2015](#)

ISO 4759-1:2000 is cited by BS EN 14399-1:2015 High-strength structural bolting assemblies for preloading. General requirements

- [BS EN 14399-3:2015](#)

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