
**Aerospace — Nuts, anchor, self-locking,
floating, self-aligning, two lug, with MJ
threads, classifications: 900 MPa
(at ambient temperature)/235 °C, 900 MPa
(at ambient temperature)/315 °C and
900 MPa (at ambient
temperature)/425 °C — Dimensions**

*Aéronautique et espace — Écrous à river, à freinage interne, flottants,
orientables, double patte, à filetage MJ, classifications: 900 MPa
(à température ambiante)/235 °C, 900 MPa (à température
ambiante)/315 °C et 900 MPa (à température ambiante)/425 °C —
Dimensions*



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Foreword

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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.

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ISO 12273 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 4, *Aerospace fastener systems*.

This second edition cancels and replaces the first edition (ISO 12273:1997), of which it constitutes a minor revision.

Introduction

The dimensions specified in this International Standard have been determined to satisfy the requirements of the procurement specification of ISO 5858.

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1 Scope

This International Standard specifies the dimensions of floating, self-aligning, two lug anchor nuts, with MJ threads and a self-locking feature achieved by forming the upper portion out-of-round, of the following classifications:

- 900 MPa/235 °C;
- 900 MPa/315 °C;
- 900 MPa/425 °C.

NOTE 1 The first element in the classifications (900 MPa) corresponds to the minimum tensile stress that the nut is able to withstand at ambient temperature without breaking or cracking when tested with a bolt of a higher strength class.

NOTE 2 The second element in the classifications is the maximum temperature that the nut is able to withstand, without permanent alteration to its original characteristics after ambient temperature has been restored. The maximum temperature is conditioned by the material or by the surface treatment.

This International Standard is only applicable for the compilation of aerospace product standards.

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 5855-2, *Aerospace — MJ threads — Part 2: Limit dimensions for bolts and nuts*

ISO 8788, *Aerospace — Nuts, metric — Tolerances of form and position*

3 Configuration and dimensions

See Figure 1 and Table 1.

Dimensions and tolerances are expressed in millimetres. They apply after any surface coating(s) but before the application of any lubricant.