
**Aerospace — Bolts, with MJ threads,
made of heat and corrosion resisting
steel, strength class 1 100 MPa —
Procurement specification**

*Aéronautique et espace — Vis à filetages MJ, en acier résistant à la
chaleur et à la corrosion, de classe de résistance 1 100 MPa —
Spécification d'approvisionnement*



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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.

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ISO 8168 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 8168:1988) which has been technically revised.

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Aerospace — Bolts, with MJ threads, made of heat and corrosion resisting steel, strength class 1 100 MPa — Procurement specification

1 Scope

This International Standard specifies the characteristics and quality assurance requirements for MJ thread bolts made of heat and corrosion resisting steel, of strength class 1 100 MPa, for aerospace construction.

It is applicable whenever it is referenced in a definition document.

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 2859-1:1999, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

ISO 3452-1, *Non-destructive testing — Penetrant testing — Part 1: General principles*

ISO 4288, *Geometrical Product Specifications (GPS) — Surface texture: Profile method — Rules and procedures for the assessment of surface texture*

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

ISO 6892, *Metallic materials — Tensile testing at ambient temperature*

ISO 7870-1, *Control charts — Part 1: General guidelines*

ISO 7961, *Aerospace — Bolts — Test methods*

ISO 7966, *Acceptance control charts*

ISO 8258, *Shewhart control charts*

ISO/TR 13425, *Guidelines for the selection of statistical methods in standardization and specification*

ASTM E112:2004, *Standard Test Methods for Determining Average Grain Size*