INTERNATIONAL STANDARD

ISO 9736

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Aerospace — Eye-ends, in steel, threaded, for aircraft control wire rope — Dimensions and loads

Aéronautique et espace — Embouts à œil, en acier, filetés, pour câbles de commande d'aéronefs — Dimensions et charges

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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 3.

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.

International Standard ISO 9736 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 12, *Mechanical system parts*.

Annex A forms a normative part of this International Standard.

Aerospace — Eye-ends, in steel, threaded, for aircraft control wire rope — Dimensions and loads

1 Scope

This International Standard specifies the characteristics of eye-ends, in either low alloy steel or corrosion-resistant steel, intended for the turnbarrels of aircraft control wire rope.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 2020-1:1997, *Aerospace — Preformed flexible steel wire rope for aircraft controls — Part 1: Dimensions and loads.*

ISO 5855-2:1999, *Aerospace — MJ threads — Part 2: Limit dimensions for bolts and nuts.*

ISO 8074:1985, *Aerospace — Surface treatment of austenitic stainless steel parts.*

ISO 9761:1999, *Aerospace — Locking clips, in corrosion-resistant steel, for aircraft control wire rope turnbuckles — Dimensions.*

ISO 10955:1999, *Aerospace — End fittings and turnbarrels for aircraft control wire rope — Technical specification.*

ISO 13715:2000, *Technical drawings — Edges of undefined shape — Vocabulary and indication on drawings.*

EN 2133:1997, *Aerospace series — Cadmium plating of steels with specified tensile strength ⩽ 1 450 MPa, copper, copper alloys and nickel alloys.*

EN 2207:—[1)], *Aerospace series — Steel FE-PL43S — 900 MPa ⩽ R_m ⩽ 1 100 MPa — Hand and die forging D_e ⩽ 40 mm.*[2)]

EN 3487:—[1)], *Aerospace series — Steel FE-PA 3601 — Softened — 500 MPa ⩽ R_m ⩽ 700 MPa — Bars for machining — D_e ⩽ 100 mm.*[2)]

SAE AMS 2431/6A, *Peening Media, Glass Shot.*

SAE AMS 5643P, *Steel, Corrosion Resistant, Bars, Wire, Forgings, Tubings and Rings, 16Cr 4.0Ni 0.30 (Cb+Ta) 4.0 Cu Solution Heat Treated, Precipitation Hardenable.*

SAE AMS 6370K, *Steel Bars, Forgings, and Rings 0.95Cr 0.20Mo (0.28-0.33C).*

QQ-P-416F, *Plating, Cadmium (Electrodeposited).*[3)]

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1) To be published.

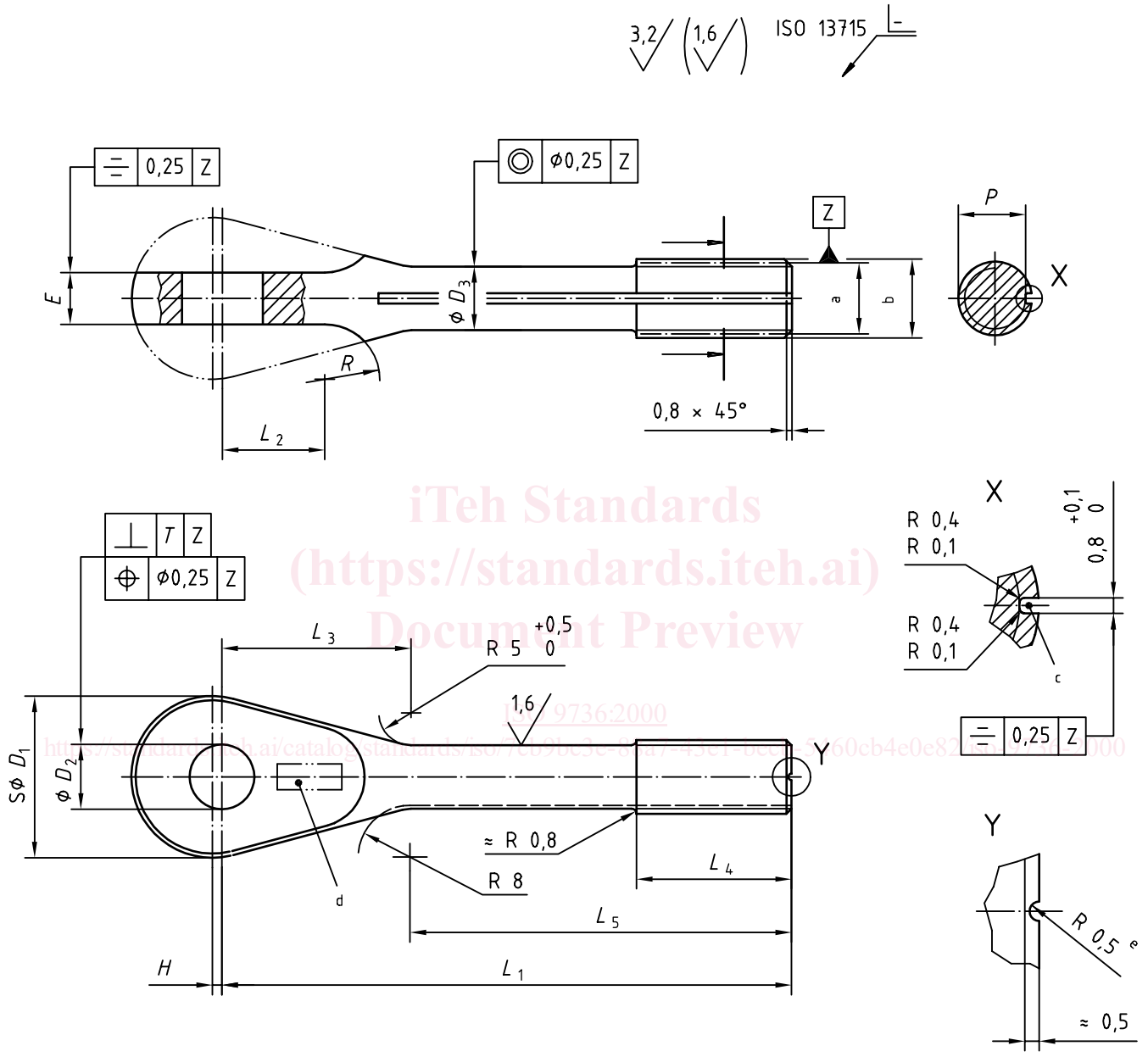
2) AECMA

3) May be obtained from DODSSP Customer Service, Defense Printing Service Detachment Office, Building 4D, 700 Robbions Ave., Philadelphia, PA 19111-5094, USA.

3 Configuration, dimensions, loads and masses

Configuration, dimensions, loads and masses shall be in accordance with Figure 1 and Table 1.

Dimensions in millimetres
Surface roughness in micrometres



a Pitch diameter
b Thread
c Slot for locking clip
d Marking
e Notch for thread on left only

Figure 1