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Aerospace — Drives, internal, TORX® PARALOBE® drive — Geometrical definition, gaging and technical requirements

Aéronautique et espace — Empreintes, TORX® PARALOBE® entraînement — Définition géométrique, calibrage et exigences techniques

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Foreword

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

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

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

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Aerospace — Drives, internal, TORX® PARALOBE® drive — Geometrical definition, gaging and technical requirements

1 Scope

This document specifies basic dimensions, characteristics and engineering requirements for TORX® PARALOBE®[1)] recesses in aerospace fasteners.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 4580, *Aerospace — Drives, internal, TORX® PARALOBE® driver bit — Geometrical definition, gaging and technical requirements*

NASM1312-25, *Fastener Test Methods – Method 25 – Driving Recess Torque Quality Conformance Test*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
recess
geometry in a fastener that allows attaching a tool in order to induce a torque to enable tightening and untightening of a fastener

3.2
driver bit
tool to induce a torque into a fastener's *recess* (3.1)

3.3
configuration
shape and geometry of the cross section of a *recess* (3.1) or external drive

3.4
optimum recess torque
torque in a *recess* (3.1) when the recess is able to transfer the ultimate torque of the *driver bit* (3.2)

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