
**Aerospace series — Hydraulic tubing
joints and fittings — Planar flexure test**

*Série aéronautique — Joints et raccords des tuyauteries hydrauliques
— Essai de flexion plane*

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 10, *Aerospace fluid systems and components*.

This second edition cancels and replaces the first edition (ISO 9538:1996), of which it constitutes a minor revision.

The changes are as follows:

- the publication dates of ISO 7257 and ISO 7169 in the introduction were removed in order to reflect the most updated versions of those documents.

Introduction

This document describes a planar flexure test procedure for hydraulic tubing joints and fittings.

The test procedure can be applied as an alternative to the rotary test procedure specified in ISO 7257.

The qualification test procedures for tube fittings are specified in ISO 7169.

Other test methods can be used as long as they develop the same results as the procedure specified in this document.

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