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Third edition
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Aerospace — Fluid systems — Impulse testing of hydraulic hose, tubing and fitting assemblies

Aéronautique et espace — Systèmes de fluides — Essai d'impulsion des tuyauteries flexibles, tubes et raccords



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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

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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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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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 6772 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 10, *Aerospace fluid systems and components*.

This third edition cancels and replaces the second edition (ISO 6772:1988), which has been technically revised. The main changes are as follows:

- 3.2: definition has been modified;
- Clause 5: new paragraph has been added;
- Tables 1, 2 and 3 have been modified to cover additional classes J and K.

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Introduction

In hydraulic systems, power is transmitted through the hydraulic fluid under pressure with a network of tubing and hoses, and their attendant fitting assemblies. In order to demonstrate that these transmission elements are fit for purpose in terms of the prevention of premature failures due to fatigue, it is necessary to conduct appropriate impulse pressure testing.

This document provides the overall requirements for pressure impulse testing of hydraulic system distribution elements.