SLOVENSKI STANDARD
SIST ISO 6605:2003

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Fluidna tehnika - Hidravlika - Gibki cevovodi - Preskusne metode

Hydraulic fluid power -- Hoses and hose assemblies -- Test methods

Transmissions hydrauliques -- Tuyaux et ensembles flexibles -- Méthodes d'essai

Ta slovenski standard je istoveten z: **ISO 6605:2002**

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23.100.40 Cevna napeljava in sklopke Piping and couplings

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INTERNATIONAL STANDARD

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Hydraulic fluid power — Hoses and hose assemblies — Test methods

Transmissions hydrauliques — Tuyaux et ensembles flexibles — Méthodes d'essai

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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.

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

International Standard ISO 6605 was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 4, *Connectors and similar products and components*.

This second edition cancels and replaces the first edition (ISO 6605:1986), which has been technically revised.

Introduction

In hydraulic fluid power systems, power is transmitted and controlled through a liquid under pressure within an enclosed circuit. A hose assembly is a flexible fluid power conductor consisting of a length of hose attached, at both ends, to hose fittings.

Hydraulic fluid power — Hoses and hose assemblies — Test methods

1 Scope

This International Standard specifies uniform test methods for evaluating the performance of hoses and hose assemblies (hoses and attached hose fittings) used in hydraulic fluid power systems.

Specific tests and performance criteria for evaluating hoses and hose assemblies used in hydraulic applications are in accordance with the requirements of the respective product (hoses or hose fitting) specifications.

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 471, *Rubber — Temperatures, humidities and times for conditioning and testing*

ISO 1402, *Rubber and plastics hoses and hose assemblies — Hydrostatic testing*

ISO 3448, *Industrial liquid lubricants — ISO viscosity classification*

ISO 4671:1999, *Rubber and plastics hoses and hose assemblies — Methods of measurement of dimensions*

ISO 4957, *Tool steels*

ISO 5598, *Fluid power systems and components — Vocabulary*

ISO 5893, *Rubber and plastics test equipment — Tensile, flexural and compression types (constant rate of traverse) — Specification*

ISO 6133, *Rubber and plastics — Analysis of multi-peak traces obtained in determinations of tear strength and adhesion strength*

3 Terms and definitions

For the purposes of this International Standard, the terms and definitions given in ISO 5598 apply.

4 Visual examination of product

Hose assemblies shall be visually inspected to determine that the correct hose fittings are properly installed.

