



SLOVENSKI STANDARD SIST EN ISO 10423:2002

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Petroleum and natural gas industries - Drilling and production equipment - Wellhead and christmas tree equipment (ISO 10423:2001)

Petroleum and natural gas industries - Drilling and production equipment - Wellhead and christmas tree equipment (ISO 10423:2001)

Erdöl- und Erdgasindustrie - Bohr- und Förderausrüstung - Bohrlochkopf- und Eruptionskreuz-Ausrüstung (ISO 10423:2001)

Industries du pétrole et du gaz naturel - Equipement de forage et de production - Equipement pour tetes de puits et arbre de Noël (ISO 10423:2001)

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Ta slovenski standard je istoveten z: EN ISO 10423:2001

ICS:

75.180.10	Oprema za raziskovanje in odkopavanje	Exploratory and extraction equipment
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EUROPEAN STANDARD
NORME EUROPÉENNE
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**Petroleum and natural gas industries - Drilling and production
equipment - Wellhead and christmas tree equipment (ISO
10423:2001)**

Industries du pétrole et du gaz naturel - Equipement de
forage et de production - Equipement pour têtes de puits et
arbre de Noël (ISO 10423:2001)

Erdöl- und Erdgasindustrie - Bohr- und Förderausrüstung -
Bohrlochkopf- und Eruptionskreuz-Ausrüstung (ISO
10423:2001)

This European Standard was approved by CEN on 1 August 2001.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN ISO 10423:2001 (E)

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Foreword

This document (ISO 10423:2001) has been prepared by Technical Committee ISO/TC 67 "Materials, equipment and offshore structures for petroleum and natural gas industries" in collaboration with Technical Committee CEN/TC 12 "Materials, equipment and offshore structures for petroleum and natural gas industries", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2002, and conflicting national standards shall be withdrawn at the latest by February 2002.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 10423:2001 has been approved by CEN as EN ISO 10423:2001 without any modifications.

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NOTE Normative references to International Standards are listed in Annex ZA (normative).

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Annex ZA (normative)

Normative references to international publications with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 13533	2001	Petroleum and natural gas industries - Drilling and production equipment - Drill-through equipment	EN ISO 13533	2001
ISO 13628-4	1999	Petroleum and natural gas industries - Design and operation of subsea production systems - Part 4: Subsea wellhead and tree equipment	EN ISO 13628-4	1999

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INTERNATIONAL
STANDARD

ISO
10423

Second edition
2001-08-01

**Petroleum and natural gas industries —
Drilling and production equipment —
Wellhead and christmas tree equipment**

*Industries du pétrole et du gaz naturel — Équipement de forage et de
production — Équipement pour têtes de puits et arbre de Noël*

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ISO 10423:2001(E)**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 10423 was prepared by Technical Committee ISO/TC 67, *Materials, equipment and offshore structures for petroleum and natural gas industries*, Subcommittee SC 4, *Drilling and production equipment*.

This second edition cancels and replaces ISO 10419, ISO 10433 and the first edition of ISO 10423 (ISO 10423:1994).

Annexes H, I, J and L form a normative part of this International Standard. Annexes A, B, C, D, E, F, G, K and M are for information only.

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Introduction

This International Standard is based on API Spec 6A, seventeenth edition, February 1996, its errata and supplement, and API Spec 6AV1, first edition, February 1996.

The contents of API Spec 14D (upon which ISO 10433 was based) and API Recommended Practice 14H (upon which ISO 10419 was based) have been incorporated in API Spec 6A, seventeenth edition.

The International System of units (SI) is used in this International Standard. However, nominal sizes are shown as fractions in the inch system.

The fractions and their decimal equivalents are equal and interchangeable. Metric conversions and inch dimensions in this International Standard are based on the original fractional inch designs. Functional dimensions have been converted into the metric system to ensure interchangeability of products manufactured in metric or inch systems (see also annex B).

Tables referenced in the main body of this International Standard which are marked with an asterisk are repeated in annex B in US customary units with the same table number as in the main body but with the prefix B. See also annex M for listings of tables and figures.

Users of this International Standard should be aware that further or differing requirements may be needed for individual applications. This International Standard is not intended to inhibit a vendor from offering, or the purchaser from accepting, alternative equipment or engineering solutions for the individual application. This may be particularly applicable where there is innovative or developing technology. Where an alternative is offered, the vendor should identify any variations from this International Standard and provide details.

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Petroleum and natural gas industries — Drilling and production equipment — Wellhead and christmas tree equipment

1 Scope

1.1 Purpose

This International Standard specifies requirements and gives recommendations for the performance, dimensional and functional interchangeability, design, materials, testing, inspection, welding, marking, handling, storing, shipment, purchasing, repair and remanufacture of wellhead and christmas tree equipment for use in the petroleum and natural gas industries.

This International Standard does not apply to field use, field testing or field repair of wellhead and christmas tree equipment.

1.2 Applicability

This International Standard is applicable to the following specific equipment.

a) Wellhead equipment:

- casing head housings;
- casing head spools;
- tubing head spools;
- cross-over spools;
- multi-stage head housings and spools.

b) Connectors and fittings:

- cross-over connectors;
- tubing head adapters;
- top connectors;
- tees and crosses;
- fluid-sampling devices;
- adapter and spacer spools.

c) Casing and tubing hangers:

- mandrel hangers;
- slip hangers.

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