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Petroleum and natural gas industries - Aluminium alloy pipe for use as tubing for wells (ISO 13085:2014)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

**Petroleum and natural gas industries - Aluminium alloy pipe for
use as tubing for wells (ISO 13085:2014)**

Industries du pétrole et du gaz naturel - Tubes en alliage
d'aluminium utilisés comme tubes de production dans les
puits (ISO 13085:2014)

Erdöl- und Erdgasindustrie - Rohre aus
Aluminiumlegierungen zur Verwendung als Steigrohre für
Bohrungen (ISO 13085:2014)

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Foreword

This document (EN ISO 13085:2014) has been prepared by Technical Committee ISO/TC 67 “Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries” in collaboration with Technical Committee CEN/TC 12 “Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries” the secretariat of which is held by AFNOR.

Endorsement notice

The text of ISO 13085:2014 has been approved by CEN as EN ISO 13085:2014 without any modification.

**Petroleum and natural gas
industries — Aluminium alloy pipe for
use as tubing for wells**

*Industries du pétrole et du gaz naturel — Tubes en alliage
d'aluminium utilisés comme tubes de production dans les puits*





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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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The committee responsible for this document is ISO/TC 67, *Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries*.

Introduction

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 manufacturer 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 manufacturer should identify any variations from this International Standard and provide details.

This International Standard includes requirements of various natures. These are identified by the use of certain verbal forms:

- “shall” is used to indicate that a provision is mandatory;
- “should” is used to indicate that a provision is not mandatory, but recommended as good practice;
- “may” is used to indicate that a provision is optional.

Petroleum and natural gas industries — Aluminium alloy pipe for use as tubing for wells

1 Scope

This International Standard specifies the technical delivery condition, manufacturing process, material requirements, configuration and dimensions, and verification and inspection procedures for aluminium alloy pipes for use as tubing for wells in petroleum and natural gas industries.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6892 (all parts), *Metallic materials — Tensile testing*

ISO 11961, *Petroleum and natural gas industries — Steel drill pipe*

ASTM G1, *Standard practice for preparing, cleaning, and evaluating corrosion test specimens*

ASTM G44, *Standard practice for exposure of metals and alloys by alternate immersion in neutral 3.5% sodium chloride solution*

NACE/TM 0177, *Laboratory testing of metals for resistance to sulfide stress cracking and stress corrosion cracking in hydrogen sulfide (H₂S) environments*

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