***भारतीय मानक***

***Indian Standard***

**IS/ISO 11961 : 2018**

**पेट्रोलियम और प्राकृतिक गैस उद्योग —स्टील ड्रिल पाइप**

**Petroleum and Natural Gas Industries — Steel Drill Pipe**

ICS 75.180.10, 77.140.75

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भारतीय मानक ब्यूरो

BUREAU OF INDIAN STANDARDS

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**November 2024 Price Group**

Steel Tubes, Pipes and Fittings Sectional Committee, MTD 19

NATIONAL FOREWORD

This Indian Standard which is identical with ISO 11961 : 2018 ‘Petroleum and natural gas industries — Steel drill pipe’ issued by the International Organization for Standardization (ISO), was adopted by the Bureau of Indian Standards on the recommendation of the Steel Tubes, Pipes and Fittings Sectional Committee and approval of the Metallurgical Engineering Division Council.

The text of ISO standard has been approved as suitable for publication as in Indian Standard without deviations. Certain terminologies and conventions are, however, not identical with those used in Indian Standard. Attention is especially drawn to the following:

1. Wherever the words `International Standard’ appear referring to this standard, it should be read as `Indian Standard’.
2. Comma (,) has been used as a decimal marker while in Indian Standards the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exists. The corresponding Indian Standards which are to be substituted in their place are listed below along with their degree of equivalence for the edition indicated:

|  |  |  |
| --- | --- | --- |
| *International Standard* | *Corresponding Indian Standard* | *Degree of Equivalence* |
| ISO 6506-1: 2014 Metallic materials - Brinell hardness test: Part 1 test method | IS 1500 (Part 1): 2019 Metallic materials - Brinell hardness test: Part 1 test method (Fifth Revision) | Identical |
| ISO 6507-1: 2023 Metallic materials — Vickers hardness test Part 1: Test method | IS 1501 (Part 1): 2020 Metallic Materials — Vickers Hardness Test Part 1 Test Method (Fifth Revision) | Identical |
| ISO 6508-1: 2023 Metallic materials — Rockwell hardness test Part 1: Test method | IS 1586 (Part 1): 2018 Metallic materials — Rockwell hardness test: Part 1 test method (Fifth Revision) | Identical |
| ISO 6892-1: 2019 Metallic materials — Tensile testing Part 1: Method of test at room temperature | IS 1608 (Part 1): 2022 Metallic materials — Tensile testing — Part 1: Method of test at room temperature | Identical |
| ISO 7500-1:2018 Metallic materials — Calibration and verification of static uniaxial testing machines Part 1: Tension/compression testing machines — Calibration and verification of the force-measuring system | IS 1828 (Part 1): 2022 Metallic materials — Calibration and verification of static uniaxial testing machines — Part 1: tension/compression testing machines — Calibration and verification of the force-measuring system | Identical |
| ISO 9513: 2012 Metallic materials — Calibration of extensometer systems used in uniaxial testing | IS 12872: 2021 Metallic Materials — Calibration of Extensometer Systems Used in Uniaxial Testing (Second Revision) | Identical |
| ISO 10893-2: 2011 Non-destructive testing of steel tubes — Part 2: Automated eddy current testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of imperfections | IS 6398 (Part 2): 2020 Non-destructive testing of steel tubes — Part 2: Automated eddy current testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of imperfections (Second Revision) | Identical |

The technical committee responsible for the preparation of this standard has reviewed the provisions of following International Standards referred in these adopted standards and decided their acceptability for use in conjunction with this standard:

|  |  |
| --- | --- |
| *International Standard* | *Title* |
| ISO 10424-2: 2007 | Petroleum and natural gas industries — Rotary drilling equipment Part 2: Threading and gauging of rotary shouldered thread connections |
| ISO 10893-3: 2011 | Non-destructive testing of steel tubes — Part 3: Automated full peripheral flux leakage testing of seamless and welded (except submerged arcwelded) ferromagnetic steel tubes for the detection of longitudinal and/or transverse imperfections |
| ISO 10893-5: 2011 | Non-destructive testing of steel tubes — Part 5: Magnetic particle inspection of seamless and welded ferromagnetic steel tubes for the detection of surface imperfections |
| ISO 10893-10: 2011 | Non-destructive testing of steel tubes — Part 10: Automated full peripheral ultrasonic testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of longitudinal and/or transverse imperfections |
| ISO 11484: 2019 | Steel products — Employer's qualification system for non-destructive testing (NDT) personnel |

This standard also makes a reference to the BIS Certification Marking of the product, details of which are given in National Annex A.

In reporting the result of a test or analysis made in accordance with this standard, is to be rounded off, it shall be done in accordance with IS 2: 2022 ‘Rules for rounding off numerical- values (second revision)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

**National Annex A**

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**A-1 BIS CERTIFICATION MARKING**

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act*, 2016 and the Rules and Regulations framed thereunder, and the products may be marked with the standard mark.