Drill Pipe

API SPECIFICATION 5DP
SECOND EDITION, MAY 2020

API MONOGRAM PROGRAM EFFECTIVE DATE: NOVEMBER 1, 2020

ERRATA 1, JULY 2020
ERRATA 2, JANUARY 2025
ERRATA 3, MARCH 2025
ADDENDUM 1, JANUARY 2025
(EFFECTIVE DATE: JULY 2, 2025)

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Suggested revisions are invited and should be submitted to the Standards Department, API, 200 Massachusetts Avenue, Suite 1100, Washington, DC 20001, standards@api.org.

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Drill Pipe

1 Scope

1.1 Coverage

This standard specifies the technical delivery conditions for steel drill pipe with upset pipe body ends and welded on tool joints for use in drilling and production operations in petroleum and natural gas industries for three product specification levels (PSL-1, PSL-2, PSL-3). The requirements for PSL-1 form the basis of this standard. The requirements that define different levels of standard technical requirements for PSL-2 and PSL-3 are provided.

This standard covers the following grades of drill pipe:

— grade E;

— high-strength (grades G, S, X, and V);

— sour service (grade SS).

This standard can also be used for drill pipe with tool joints not specified by other standards. By agreement between purchaser and manufacturer, this standard can also be applied to other drill pipe body and/or tool joint dimensions. This standard also lists supplementary requirements (SRs) that may be agreed upon between the purchaser and manufacturer for testing, performance verification, and nondestructive examination (NDE). This standard does not consider performance properties.

NOTE 1 In this standard, drill pipe is designated by label 1, label 2, grade of material (E, X, G, S, SS, and V), upset type, and type of rotary shouldered connection (RSC); designations are used for identification in ordering.

NOTE 2 See API 7-2 for the detailed requirements for the threading and gauging of drill pipe tool joints.

NOTE 3 See API 7G for the performance properties of the drill pipe.

NOTE 4 See ISO 15156/NACE MR0175 for the use of drilling equipment in H_2S-containing fluids, including permitted exclusions to its scope.

1.2 Eligibility for Licensed/Registered Industry Mark

Products manufactured in accordance with this standard are eligible for marking with a licensed/registered industry mark, at the option of the manufacturer or if required by the purchaser.

NOTE Refer to the Foreword for information regarding the API Monogram Program.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any errata or addenda) applies.

API Recommended Practice 7G, *Recommended Practice for Drill Stem Design and Operating Limits*

API Specification 7-2, *Threading and Gauging of Rotary Shouldered Connections*

API Technical Report 5C3, *Calculating Performance Properties of Pipe Used as Casing or Tubing*