Pipe with Welded Connectors

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Suggested revisions are invited and should be submitted to the Standards Department, API, 1220 L Street, NW, Washington, DC 20005, standards@api.org.

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1 Scope

1.1 Purpose

This standard provides a practice for facility or field welding of connectors to pipe. The technical content contains guidance and requirements for welding procedure qualification, welder performance qualification, materials, testing, production welding, and inspection.

1.2 Coverage

This standard covers the weld fabrication of connectors and handling attachments, such as lift eyes and landing pads, to pipe. This standard also includes practices used within industry and is intended to be analogous to API 6A PSL 1 with additional requirements specific to the equipment fabrication.

2 Normative References

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

API Specification 2B, *Structural Steel Pipe*

API Specification 5L, *Line Pipe*

API Specification 5L, *Line Pipe* (46th Edition)

API Specification 6A, *Wellhead and Christmas Tree Equipment*

API Standard 1104, *Welding of Pipelines and Related Facilities*

API Standard 20H, *Heat Treatment Services—Batch Type for Equipment Used in the Petroleum and Natural Gas Industry*

Aerospace Material Specification 2750, *Pyrometry*

ASME *Boiler and Pressure Vessel Code, Section V, Nondestructive Examination*

ASME *Boiler and Pressure Vessel Code, Section VIII, Division I, Rules for Construction of Pressure Vessels*

ASME *Boiler and Pressure Vessel Code, Section IX, Welding and Brazing Qualifications*

ASTM A370, *Standard Methods and Definitions for Mechanical Testing of Steel Products*

ASTM E10, *Standard Test Method for Brinell Hardness of Metallic Materials*

ASTM E18, *Standard Test Methods for Rockwell Hardness of Metallic Materials*

ASTM E23, *Standard Test Methods for Notched Bar Impact Testing of Metallic Materials*

ASTM E92, *Standard Test Methods for Vickers Hardness and Knoop Hardness of Metallic Materials*