

Menu

- [Home Home](#)
- [About this portal](#)
- [Latest updates](#)

Print

[Save](#)

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[Resource detail](#)

[Citations](#)

API STD 1104-1988 Welding of pipelines and related facilities

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Abbreviation

API STD 1104-1988

Version

17th Edition

Valid from

09/01/1988

Information provider

TechStreet

Author

American Petroleum Institute

Information type

Standard

Format

PDF

Cited By

[This resource is cited by 5 documents \(show Citations\)](#)

Cites

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Description

This Standard covers the gas and arc welding of butt, fillet, and socket welds in carbon and low-alloy steel piping used in the compression, pumping, and transmission of crude petroleum, petroleum products, fuel gases, carbon dioxide, nitrogen, and where applicable, covers welding on distribution systems. It applies to both new construction and in-service welding.

The welding may be done by a shielded metal-arc welding, submerged arc welding, gas tungsten arc welding, gas metal-arc welding, flux-cored arc welding, plasma arc welding, oxyacetylene welding, or flash butt welding process or by a combination of these processes using a manual, emiautomatic, mechanized, or automatic welding technique or a combination of these techniques.

The welds may be produced by position or roll welding or by a combination of position and roll welding.

Scope

Note: G10/AS1 section 1.3.1(b) cites API STD 1104-1988 as the compliance standard for welded joints for pipeline subject pressures over 420kPa.

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- [G10/AS1 \(First Edition, Amendment 8\)](#)

API STD 1104-1988 is cited by Acceptable Solution G10/AS1: Piped Services from 01/07/1992

- [G10/AS1 \(First Edition, Amendment 6\)](#)

API STD 1104-1988 is cited by Acceptable Solution G10/AS1: Piped Services from 01/07/1992

- [G10/AS1 \(First Edition, Amendment 5\)](#)

API STD 1104-1988 is cited by Acceptable Solution G10/AS1: Piped Services from 01/07/1992

- [G10/AS1 \(First Edition, Amendment 7\)](#)

API STD 1104-1988 is cited by Acceptable Solution G10/AS1: Piped Services from 01/07/1992

- [API SPEC 5L-1991 \(39th Edition\)](#)

API STD 1104-1988 is cited by API SPEC 5L-1991 Specification for line pipe

Back

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This document CITES:

Other

- [API SPEC 5L-1987 \(36th edition\)](#)

API STD 1104-1988 cites API SPEC 5L-1987 Specification for line pipe.

- [ASTM E142-77](#)

API STD 1104-1988 cites ASTM E142-77 Standard Method for Controlling Quality of Radiographic Testing

- [ASTM E164-81](#)

API STD 1104-1988 cites ASTM E164-81 Standard Practice For Ultrasonic Contact Examination of Weldments

- [ASTM E165-80](#)

API STD 1104-1988 cites ASTM E165-80 Standard Practice for Liquid Penetrant Examination for General Industry

- [ASTM E709-80](#)

API STD 1104-1988 cites ASTM E709-80 Standard Practice For Magnetic Particle Examination

- [AWS A3.0 1985](#)

API STD 1104-1988 cites AWS A3.0 Standard Welding Terms and Definitions Including Terms for Brazing, Soldering Thermal Spraying and Thermal Cutting

- [AWS A5.1 1981](#)

API STD 1104-1988 cites AWS A5.1 Specification For Covered Carbon Steel Arc Welding Electrodes

- [AWS A5.17/A5.17M -1980 \(1980 Edition\)](#)

API STD 1104-1988 cites AWS A5.17/A5.17M -1980 Specification for Carbon Steel Electrodes and Fluxes for Submerged Arc Welding

- [AWS A5.18 1979](#)

API STD 1104-1988 cites AWS A5.18 Specification For Carbon Steel Filler Metals For Gas Shielded Arc Welding

- [AWS A5.2 1980 \(1980 Edition\)](#)

API STD 1104-1988 cites AWS A5.2 Specification For Iron and Steel Oxyfuel Gas Welding Rods

- [AWS A5.20 1979 \(1979 Edition\)](#)

API STD 1104-1988 cites AWS A5.20 Specification For Carbon Steel Electrodes For Flux Cored Arc Welding

- [AWS A5.28 1979](#)

API STD 1104-1988 cites AWS A5.28 Specification For Low-Alloy Steel Electrodes For Gas Shielded Arc Welding

- [AWS A5.29 - 1980 \(80th Edition\)](#)

API STD 1104-1988 cites AWS A5.29 - 1980 Specification for Low Alloy Steel Electrodes for Flux Cored Arc Welding

- [AWS A5.5 1981 \(1981 Edition\)](#)

API STD 1104-1988 cites AWS A5.5 Specification For Low Alloy Steel Covered Arc Welding Electrodes

- [BS 5762:1979](#)

API STD 1104-1988 cites BS 5762:1979 Methods for crack opening displacement (COD) testing

- [NACE MR0175-1999](#)

API STD 1104-1988 cites NACE MR0175-1999 Sulfide Stress Cracking Resistant Metallic Materials for Oilfield Equipment

- [RP SNT-TC-1A](#)

API STD 1104-1988 cites Recommended Practice No. SNT-TC-1A Personal Qualification and Certification in Nondestructive Testing

Back

Close

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