



Standard Specification for Common Requirements for Wrought Steel Piping Fittings¹

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1. Scope *

1.1 This specification covers a group of common requirements that shall apply to wrought steel piping fittings covered in any of the following individual product specifications or any other ASTM specification that invokes this specification or portions thereof:

A 234/A 234M Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and Elevated Temperatures

A 403/A 403M Specification for Wrought Austenitic Stainless Steel Piping Fittings

A 420/A 420M Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service

A 758/A 758M Specification for Butt-Welding, Wrought-Carbon Steel, Piping Fittings with Improved Notch Toughness

A 774/A 774M Specification for As-Welded Wrought Austenitic Stainless Steel Fittings for General Corrosive Service at Low and Moderate Temperatures

A 815/A 815M Specification for Wrought Ferritic, Ferritic/Austenitic, and Martensitic Stainless Steel Piping Fittings

A 858/A 858M Specification for Heat-Treated Carbon Steel Fittings for Low-Temperature and Corrosive Service

A 860/A 860M Specification for Wrought High-Strength Low-Alloy Steel Butt-Welded Fittings

1.2 In case of conflict between a requirement of the individual product specification and a requirement of this general requirement specification, the requirements of the individual product specification shall prevail over those of this specification.

1.3 By mutual agreement between the purchaser and the supplier, additional requirements may be specified (see 4.1.7). The acceptance of any such additional requirements shall be dependent on negotiations with the supplier and must be included in the order as agreed upon by the purchaser and supplier.

1.4 The values stated in either inch-pound units or SI units [metric] are to be regarded separately as standard. Within the

text and the tables, the SI units are shown in brackets. The values stated in each system are not exact equivalents; therefore each system must be used independently of the other. Combining values from the two systems may result in nonconformance with the specification. The inch-pound units shall apply unless the “M” designation [SI] of the product specification is specified in the order.

2. Referenced Documents

2.1 ASTM Standards:

A 29/A 29M Specification for Steel Bars, Carbon and Alloy, Hot-Wrought and Cold-Finished, General Requirements for²

A 234/A 234M Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service³

A 262 Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels⁴

A 370 Test Methods and Definitions for Mechanical Testing of Steel Products⁴

A 388/A 388M Practice for Ultrasonic Examination of Heavy Steel Forgings²

A 403/A 403M Specification for Wrought Austenitic Stainless Steel Piping Fittings³

A 420/A 420M Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service³

A 700 Practices for Packaging, Marking, and Loading Methods for Steel Products for Domestic Shipment²

A 751 Test Methods, Practices and Terminology for Chemical Analysis of Steel Products⁴

A 758/A 758M Specification for Wrought Carbon Steel Butt-Welding Piping Fittings with Improved Notch Toughness³

A 763 Practices for Detecting Susceptibility to Intergranular Attack in Ferritic Stainless Steels⁴

A 774/A 774M Specification for As-Welded Wrought Austenitic Stainless Steel Fittings for General Corrosive Service at Low and Moderate Temperatures³

A 815/A 815M Specification for Wrought Ferritic, Ferritic/Austenitic, and Martensitic Stainless Steel Piping Fittings³

¹ This specification is under the jurisdiction of ASTM Committee A01 on Steel, Stainless Steel and Related Alloys and is the direct responsibility of Subcommittee A01.22 on Steel Forgings and Wrought Fittings for Piping Applications and Bolting Materials for Piping and Special Purpose Applications.

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² *Annual Book of ASTM Standards*, Vol 01.05.

³ *Annual Book of ASTM Standards*, Vol 01.01.

⁴ *Annual Book of ASTM Standards*, Vol 01.03.

***A Summary of Changes section appears at the end of this standard.**