



Designation: A788/A788M – 17

Standard Specification for Steel Forgings, General Requirements¹

This standard is issued under the fixed designation A788/A788M; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the U.S. Department of Defense.

1. Scope*

1.1 This specification² covers a group of common requirements that, unless otherwise specified in the individual product specification, shall apply to steel forgings under any of the following specifications issued by ASTM:

ASTM Designation	Title		
A266/A266M	Carbon Steel Forgings for Pressure Vessel Components	A649/A649M	Forged Steel Rolls Used for Corrugating Paper Machinery
A288	Carbon and Alloy Steel Forgings for Magnetic Retaining Rings for Turbine Generators	A668/A668M	Steel Forgings, Carbon and Alloy, for General Industrial Use
A289/A289M	Alloy Steel Forgings for Nonmagnetic Retaining Rings for Generators	A711/A711M	Steel Forging Stock
A290/A290M	Carbon and Alloy Steel Forgings for Rings for Reduction Gears	A723/A723M	Alloy Steel Forgings for High-Strength Pressure Component Application
A291/A291M	Steel Forgings, Carbon and Alloy, for Pinions, Gears, and Shafts for Reduction Gears	A729/A729M	Carbon and Alloy Steel Axles, Heat Treated, for Mass Transit and Electric Railway Service
A336/A336M	Alloy Steel Forgings for Pressure and High-Temperature Parts	A765/A765M	Carbon Steel and Low-Alloy Steel Pressure-Vessel-Component Forgings with Mandatory Toughness Requirements
A372/A372M	Carbon and Alloy Steel Forgings for Thin-Walled Pressure Vessels	A768/A768M	Vacuum-Treated 12 % Chromium Alloy Steel Forgings for Turbine Rotors and Shafts
A427/A427M	Wrought Alloy Steel Rolls for Cold and Hot Reduction	A837/A837M	Steel Forgings, Alloy, for Carburizing Applications
A469/A469M	Vacuum-Treated Steel Forgings for Generator Rotors	A859/A859M	Age-Hardening Alloy Steel Forgings for Pressure Vessel Components
A470/A470M	Vacuum-Treated Carbon and Alloy Steel Forgings for Turbine Rotors and Shafts	A891/A891M	Precipitation Hardening Iron Base Superalloy Forgings for Turbine Rotor Disks and Wheels
A471/A471M	Vacuum-Treated Alloy Steel Forgings for Turbine Rotor Disks and Wheels	A909/A909M	Steel Forgings, Microalloy, for General Industrial Use
A504/A504M	Wrought Carbon Steel Wheels	A940/A940M	Vacuum Treated Steel Forgings, Alloy, Differentially Heat Treated, for Turbine Rotors
A508/A508M	Quenched and Tempered Vacuum-Treated Carbon and Alloy Steel Forgings for Pressure Vessels	A965/A965M	Steel Forgings, Austenitic, for Pressure and High Temperature Parts
A521/A521M	Steel, Closed-Impression Die Forgings for General Industrial Use	A982/A982M	Steel Forgings, Stainless, for Compressor and Turbine Airfoils
A541/A541M	Quenched and Tempered Carbon and Alloy Steel Forgings for Pressure Vessel Components	A983/A983M	Specification for Continuous Grain Flow Forged Carbon and Alloy Steel Crankshafts for Medium Speed Diesel Engines
A579/A579M	Superstrength Alloy Steel Forgings	A986/A986M	Magnetic Particle Examination of Continuous Grain Flow Crankshaft Forgings
A592/A592M	High-Strength Quenched and Tempered Low-Alloy Steel Forged Parts for Pressure Vessels	A1021/A1021M	Martensitic Stainless Steel Forgings and Forging Stock for High-Temperature Service
A646/A646M	Premium Quality Alloy Steel Blooms and Billets for Aircraft and Aerospace Forgings	A1049/A1049M	Stainless Steel Forgings, Ferritic/Austenitic (Duplex), for Pressure Vessels and Related Components

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 A01.06 on Steel Forgings and Billets.

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² For ASME Boiler and Pressure Vessel Code applications, see related Specification SA-788 in Section II of that code.

1.2 In case of conflict in requirements, the requirements of the individual product specifications shall prevail over those of this specification.

1.3 The purchaser may specify additional requirements (see 4.2.3) that do not negate any of the provisions of either this specification or of the individual product specifications. The acceptance of any such additional requirements shall be dependent on negotiations with the supplier and must be included in the order.

1.4 If, by agreement, forgings are to be supplied in a partially completed condition, that is, all of the provisions of

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