ASTM International Technical Committee A01 on Steel, Stainless Steel and Related Alloys

Scope

The promotion of knowledge, the stimulation of research, and the development of specifications, test methods, terminology, and other types of standards relating to cast or wrought steels, stainless steels and related alloys and ferrous alloys.

Areas of Interest: The Committee’s interest includes the following materials: carbon and alloy steels, tool steels, tin mill products, corrosion and heat-resistant alloys, super-strength alloys, and clad steels.

The Committee, unless specifically requested by the Chairman of the Committee having prime responsibility, is not concerned with materials which are the interest to Committees; A06 on Magnetic Properties, B02 on Nonferrous Metals and Alloys, B04 on Metallic Materials for Thermostats and for Electrical Resistance, Heating, and Contacts; and F04 on Surgical Implants.

The Committee specifically excludes the following areas of interest:
- Aluminum-coated, zinc-coated, or terne-coated steel products covered by Committee A05.
- Alloys in those forms for which the principal use results from specifically controlled electrical resistance, thermal expansion, or magnetic characteristics which pertain to electrical resistance devices, electrical contacts, thermostats, and electrical steel.
- Materials for surgical implants.

Policy on Material Specification Coverage: The material specifications prepared by the Committee are available for use by producers and users anywhere in the world. To maintain a practical limit to the amount of committee effort, the Committee will prepare and administer specifications within its expertise. Requests for new specifications or standards or for new grades or types of material should be supported by a regulatory body, a code-writing body or a member of ASTM.

Key Documents

- A53/A53M Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
- A240/A240M Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications
- A370 Standard Test Methods and Definitions for Mechanical Testing of Steel Products
- A 967/A967M Standard Specification for Chemical Passivation Treatments for Stainless Steel Parts

Learn more about Committee A01
www.astm.org/committee-a01

Quick Facts

Established 1898
Number of Members 1110+
Number of Standards 494
Global Participation
46 Countries represented
The standards are available in Volumes 01.01 - 01.06 in the Annual Book of ASTM Standards
Meetings A01 meets twice each year, in May and November

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A01 List of Subcommittees

- A0101 Steel Rails and Accessories
- A0102 Structural Steel for Bridges, Buildings, Rolling Stock and Ships
- A0103 Steel Rod and Wire
- A0105 Steel Reinforcement
- A0105.01 Reinforcing Bars
- A0105.02 Wire and Welded Wire Reinforcement
- A0105.03 Prestressing Steels
- A0105.04 Coated Reinforcement
- A0106 Steel Forgings and Billets
- A0106.01 Power Generation and Pressure Vessel Forgings
- A0106.02 General Industrial Forging
- A0106.03 Test Methods and Recommended Practices
- A0109 Carbon Steel Tubular Products
- A0110 Stainless and Alloy Steel Tubular Products
- A0111 Steel Plates for Boilers and Pressure Vessels
- A0113 Mechanical and Chemical Testing and Processing Methods of Steel Products and Processes
- A0114 Methods of Corrosion Testing
- A0115 Bars
- A0117 Flat-Rolled and Wrought Stainless Steel
- A0118 Castings
- A0119 Steel Sheet and Strip
- A0120 Tin Mill Products
- A0122 Steel Forgings and Wrought Fittings for Piping Applications and Bolting Materials for Piping and Special Purpose Applications
- A0122.01 Bolting
- A0122.02 Welding Fittings
- A0122.03 Forgings
- A0127 Steel Chain
- A0128 Bearing Steels
- A0129 Tool Steels
- A0190 Executive
- A0191 Editorial
- A0192 Terminology
- A0193 Awards
- A0194 U.S. Government Requirements for Steel Mill and Foundry Products
- A0195 USA Committee for International Standardization of Steel
- A0198 Long Range Planning