

MEETINGS

B02 meets twice a year, usually in May and November, with approximately 40 members attending technical meetings.

Meeting registration is free and offers the opportunity to:

- Network face-to-face with nonferrous metals and alloys professionals from all over the world
- Directly discuss the development of new and revised standards.
- Be among the first to know about new and emerging technologies

MEMBERSHIP IN COMMITTEE B02

ASTM International welcome all industrial and technical professionals with a desire to work toward further development of standards for Committee B02.

Membership in Committee B10 provides the opportunity to:

- Network with industry professionals worldwide,
- Have direct input into the development of new and revised standards,
- Remain current on new and emerging technologies,
- Participating members can request any free volume, per year, of the Annual Book of ASTM Standards per year (online or print) that ASTM offers,
- Enjoy discounts on all ASTM publications,
- Receive free subscriptions to ASTM Standardization News and ASTM eNews,
- Benefit from reduced fees for attendance at ASTM symposia and technical workshops,
- Participate in free informational webinars
- and much more!



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Committee B02 Nonferrous Metals and Alloys

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WHAT IS ASTM COMMITTEE B02?

ASTM Committee B02 on Nonferrous Metals and Alloys was formed in 1902.

The Committee, with current membership of approximately 150, has jurisdiction of over 200 standards, published in the *Annual Book of ASTM Standards*, Volume 2.04.

Committee B02 has 5 technical subcommittees that maintain jurisdiction over these standards. Information on this subcommittee structure and B02's portfolio of approved standards and work items under construction are available from the List of Subcommittees, Standards and Work Items below. These standards have and continue to play a preeminent role in all aspects important to the industry including: compositions, properties, dimensions, classification, nomenclature, analysis, and quality assurance.

SCOPE

The development and maintenance of standards on compositions, properties, dimensions, test methods, classifications, and terminology of nonferrous metals and alloys, and of solder and solder fluxes and materials used in the manufacture of electrical heating devices, electrical resistance devices, electrical contacts and conductors, and thermosensitive elements in thermostats.

Excluded are copper and copper alloys, light metals and alloys, reactive and refractory metals and alloys and engineered metal powders, electronic grade materials and wires, and certain accessories for use as electrical conductors, niobium, hafnium, molybdenum, titanium, tungsten, and zirconium. The Committee will coordinate its activities with other organizations and ASTM Committees in matters of mutual interest.

Zinc die casting connector hardware used in knock-down furniture. (Image courtesy of Eastern Alloy, Inc. www.easternalloy.com)



SEARCH B02 STANDARDS

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B02.02 Refined Lead, Tin, Antimony, and Their Alloys

To develop and maintain standards on refined lead, tin, antimony and their alloys from both primary and secondary sources, in refinery shapes and other forms. Standards shall include but are not limited to specifications, test methods, classifications and terminologies.



B02.04 Zinc and Cadmium

To develop and maintain standards on zinc and cadmium and their alloys and related products.



B02.05 Precious Metals and Electrical Contact Materials and Test Methods

To develop and maintain standards for refined gold, silver, the platinum group metals and their alloys, specifications for electrical contact materials, and test methods for electrical contacts and connectors, including sliding contacts, make-and-break contacts and static connectors and connections; the development of testing apparatus, methods and terminology

Zinc die cast alloy components used in butane lighters. (Image courtesy of Eastern Alloy, Inc. www.easternalloy.com)

B02.07 Refined Nickel and Cobalt and Their Alloys

B02.07 maintains one standard on refined nickel and numerous specifications for the mill product forms of a variety of nickel, nickel alloy and cobalt alloy materials. In addition, many of the ferrous alloys with high nickel contents continue to be covered by specifications under the jurisdiction of this subcommittee. These materials are used in a wide range of applications since collectively, they offer aqueous corrosion resistance, elevated temperature resistance, high strength at both room and elevated temperatures, as well as fabricability. Applications for these materials include the chemical, petrochemical, power generation, industrial heating, transportation and defense industries, as well as household consumer products.

B02.10 Thermostat Metals and Electrical Resistance Heating Materials

The formulation and standardization of specifications and methods for testing materials used in the construction of electrical heating devices and electrical resistance devices, including methods of determining basic temperature - resistance properties of materials, and research and development and accumulation of engineering information for thermostat metals and resistance alloys, as well as the standardization of research and standardization of nomenclature to accomplish the foregoing purposes