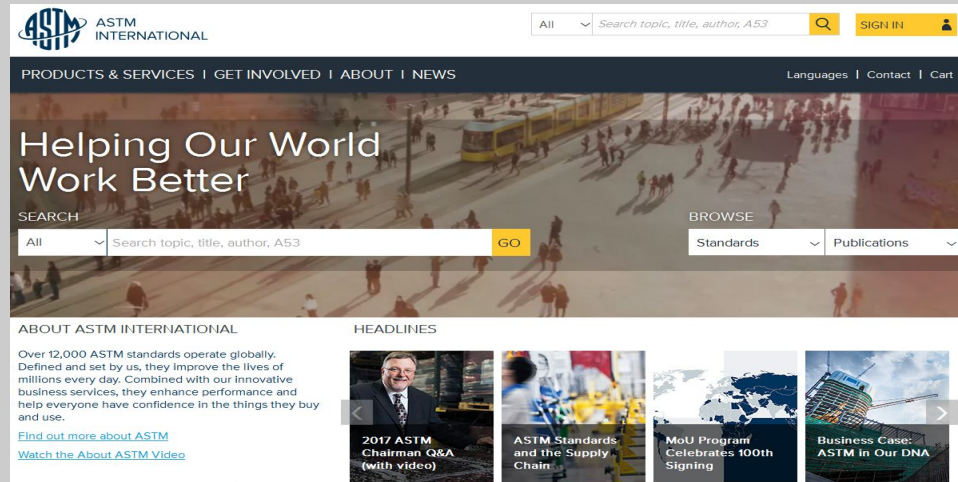


Name of the Tool

American Society for Testing Materials (ASTM) International Standards

Home Page



Logo



URL

<https://www.astm.org/>

Subject

Materials -- Standards -- Periodicals;

Materials -- Testing -- Standards -- Periodicals;

Materials -- Standards -- United States -- Periodicals;

Accessibility

On subscription base

Language

Multilingual

Publisher

ASTM International

Brief History

A group of scientists and engineers, led by Charles Benjamin Dudley formed The American Section of the International Association for Testing Materials (ASTM) in 1898 to address the frequent rail breaks affecting the fast-growing railroad industry. The group developed a standard for the steel used to fabricate rails. Originally called the "American Society for Testing Materials", it became

the "American Society for Testing and Materials" before it changed its name to "ASTM International" in 2001. Now, ASTM International has offices in Belgium, Canada, China, Mexico and Washington, D.C. The organization's headquarters is in West Conshohocken, Pennsylvania, United States.

Scope and coverage

ASTM International is an international standards organization that develops and publishes voluntary consensus technical standards for a wide range of materials, products, systems, and services. Some 12,575 ASTM voluntary consensus standards operate globally. ASTM, founded in 1898 as the American Section of the International Association for Testing Materials, predates other standards organizations such as the BSI (1901), IEC (1906), DIN (1917), ANSI (1918), AFNOR (1926), and ISO (1947).

Membership in the organization is open to anyone with an interest in its activities. As of 2015, ASTM has more than 30,000 members, including over 1,150 organizational members, from more than 140 countries. The members serve on one or more of 140+ ASTM Technical Committees. ASTM International presents several awards for contributions to standards authorship, including the ASTM International Award of Merit (the organization's highest award). ASTM International is classified by the United States Internal Revenue Service as a 501(c)(3) nonprofit organization. The standards covers the topics like iron and steel products, nonferrous metal products, textiles, plastics, rubber, nuclear, solar and geothermal energy etc.

Kind of Information

Over 12,000 ASTM standards operate globally. These standards improve the lives of millions every day. Combined with these innovative business services, ASTM standards enhance performance and help everyone have confidence in the things they buy and use – from the toy in a child's hand to the aircraft overhead. Working across borders, disciplines and industries the standards harness the expertise of over 30,000 members to create consensus and improve performance in manufacturing and materials, products and processes, systems and services. The standards can be found under the heading "Products & Services" in the home page. At the home page, the standards can also be browsed by topics or categories. Under each category there are three lists of standards, namely list of popular standards, list of new standards, and list of all standards for the category. Each standard gives information like title of the standards, developing committee, Historical Version(s) for viewing previous versions of standard, ASTM License Agreement, Shipping & Handling, Significance and Use of the standards, scope, Referenced Documents or other ASTM Standards, Keywords for further searching of the standards, ICS Code, UNSPSC Code etc. The each entry of standard includes also more standards produced by the committee, related products like journals, manuals, monographs etc. etc.

Special Features

- The website gives provision to browse catalogue of standards. The option is available under the heading “Products & Services”.
- The organization provides services like digital library services, enterprise solutions, proficiency testing, training courses, certification and declaration, international laboratory Directory etc.

Arrangement Pattern

All the standards under each topic are arranged alphabetically.

Remarks

ASTM International has no role in requiring or enforcing compliance with its standards. The standards, however, may become mandatory when referenced by an external contract, corporation, or government. More than 13,000+ ASTM standards are used worldwide to improve product quality, enhance safety and facilitate trade. One can purchase individual standards; a volume that groups like standards together; a section that's comprised of several volumes covering an industry segment; or the entire collection. Print and online subscriptions are available.

Comparable Tools

- The International Organization for Standardization (<http://www.iso.org/iso/home.htm>)
- SAI Global - Standards Online (<https://infostore.saiglobal.com/store/>)
- Bureau of Indian Standards (<http://www.bis.org.in/>)
- BSI Shop (<http://shop.bsigroup.com/>)
- American Petroleum Institute Standards (<http://www.api.org/products-and-services/standards>)

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