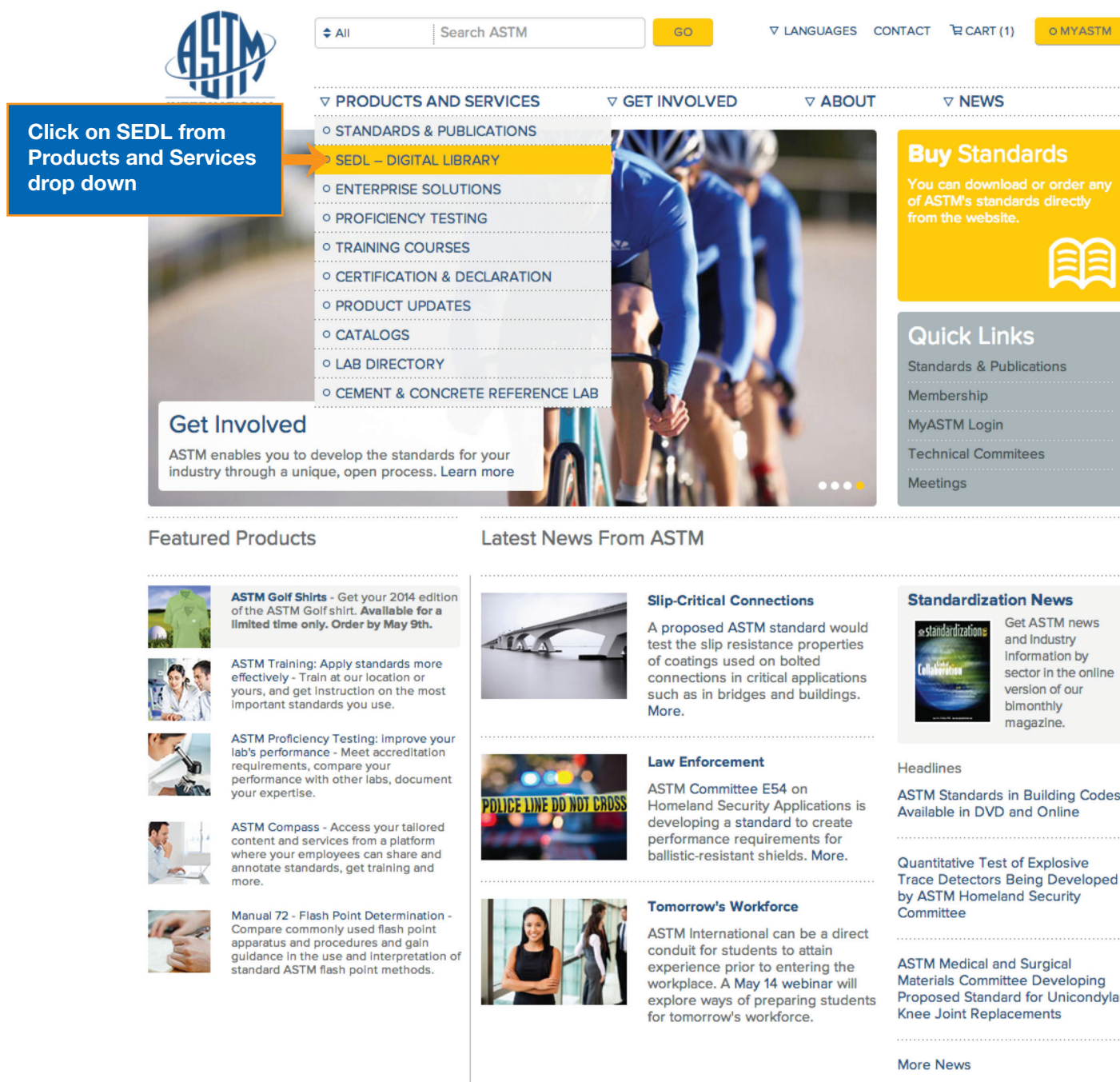


ASTM Standards and Engineering Digital Library (SEDL) User Guide

With the ASTM Standards and Engineering Digital Library (SEDL) powered by ASTM Compass, you get access to ASTM's standards and technical papers and books – all from one convenient and user-friendly integrated platform.

Getting Started

1. Click on SEDL from the Products and Services drop down
2. On the SEDL homepage, you will see navigation icons at the bottom of the page that take you to the vast content within the digital library.



Click on SEDL from Products and Services drop down

Navigation icons: All, Search ASTM, GO, LANGUAGES, CONTACT, CART (1), MYASTM

PRODUCTS AND SERVICES

- STANDARDS & PUBLICATIONS
- SEDL – DIGITAL LIBRARY**
- ENTERPRISE SOLUTIONS
- PROFICIENCY TESTING
- TRAINING COURSES
- CERTIFICATION & DECLARATION
- PRODUCT UPDATES
- CATALOGS
- LAB DIRECTORY
- CEMENT & CONCRETE REFERENCE LAB

Get Involved
ASTM enables you to develop the standards for your industry through a unique, open process. [Learn more](#)

Buy Standards
You can download or order any of ASTM's standards directly from the website.

Quick Links

- Standards & Publications
- Membership
- MyASTM Login
- Technical Committees
- Meetings

Featured Products

- ASTM Golf Shirts** - Get your 2014 edition of the ASTM Golf shirt. Available for a limited time only. Order by May 9th.
- ASTM Training**: Apply standards more effectively - Train at our location or yours, and get instruction on the most important standards you use.
- ASTM Proficiency Testing**: Improve your lab's performance - Meet accreditation requirements, compare your performance with other labs, document your expertise.
- ASTM Compass** - Access your tailored content and services from a platform where your employees can share and annotate standards, get training and more.
- Manual 72 - Flash Point Determination** - Compare commonly used flash point apparatus and procedures and gain guidance in the use and interpretation of standard ASTM flash point methods.

Latest News From ASTM

- Slip-Critical Connections**
A proposed ASTM standard would test the slip resistance properties of coatings used on bolted connections in critical applications such as in bridges and buildings. [More.](#)
- Law Enforcement**
ASTM Committee E54 on Homeland Security Applications is developing a standard to create performance requirements for ballistic-resistant shields. [More.](#)
- Tomorrow's Workforce**
ASTM International can be a direct conduit for students to attain experience prior to entering the workplace. A May 14 webinar will explore ways of preparing students for tomorrow's workforce.
- Standardization News**
Get ASTM news and industry information by sector in the online version of our bimonthly magazine.

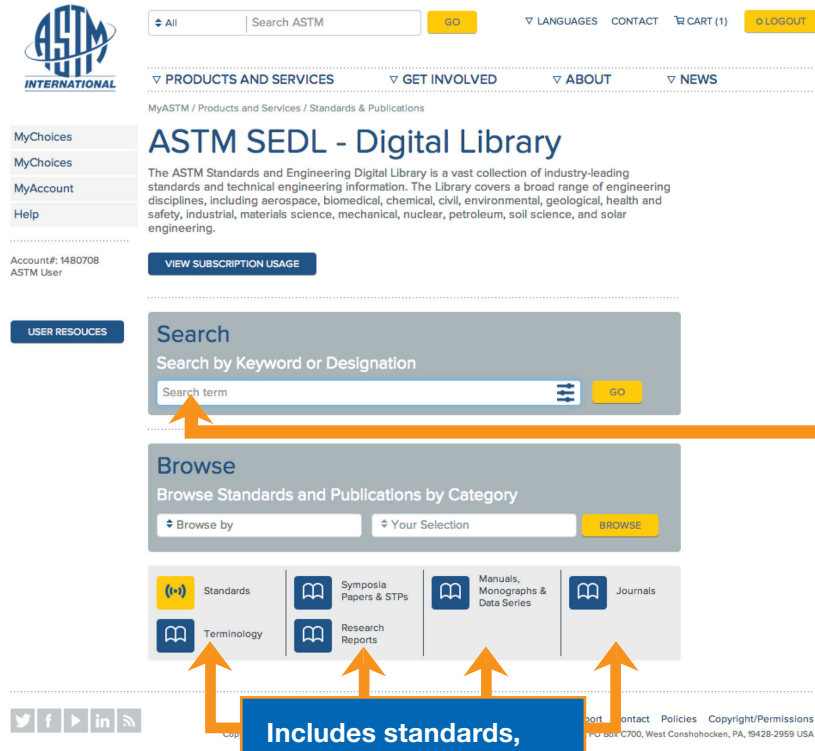
Headlines

- ASTM Standards in Building Codes Available in DVD and Online
- Quantitative Test of Explosive Trace Detectors Being Developed by ASTM Homeland Security Committee
- ASTM Medical and Surgical Materials Committee Developing Proposed Standard for Unicompartmental Knee Joint Replacements

More News

ASTM Standards and Engineering Digital Library (SEDL) User Guide

You are then brought to the SEDL Homepage.



The screenshot shows the ASTM SEDL - Digital Library homepage. At the top, there is a navigation bar with links for PRODUCTS AND SERVICES, GET INVOLVED, ABOUT, and NEWS. Below this, the main heading reads "ASTM SEDL - Digital Library". A description states: "The ASTM Standards and Engineering Digital Library is a vast collection of industry-leading standards and technical engineering information. The Library covers a broad range of engineering disciplines, including aerospace, biomedical, chemical, civil, environmental, geological, health and safety, industrial, materials science, mechanical, nuclear, petroleum, soil science, and solar engineering." A "VIEW SUBSCRIPTION USAGE" button is visible. On the left, there is a sidebar with "MyChoices", "MyAccount", and "Help" links. Below the main heading, there is a "Search" section with a "Search by Keyword or Designation" input field and a "GO" button. Below the search section is a "Browse" section with a "Browse by" dropdown menu and a "BROWSE" button. At the bottom, there are icons for Standards, Terminology, Symposia Papers & STPs, Research Reports, Manuals, Monographs & Data Series, and Journals. A callout box on the right states: "The integrated search allows you to search across all content or select specific content sets". Another callout box at the bottom states: "Includes standards, technical papers, manuals, and books".

ASTM SEDL - Digital Library

The ASTM Standards and Engineering Digital Library is a vast collection of industry-leading standards and technical engineering information. The Library covers a broad range of engineering disciplines, including aerospace, biomedical, chemical, civil, environmental, geological, health and safety, industrial, materials science, mechanical, nuclear, petroleum, soil science, and solar engineering.

[VIEW SUBSCRIPTION USAGE](#)

Search

Search by Keyword or Designation

Search term



GO

Browse

Browse Standards and Publications by Category

Browse by

Topic

Sub-Topic

Standards - Alphabetical Order

Committee

Past Symposia

Videos

Withdrawn Standards

Work Items

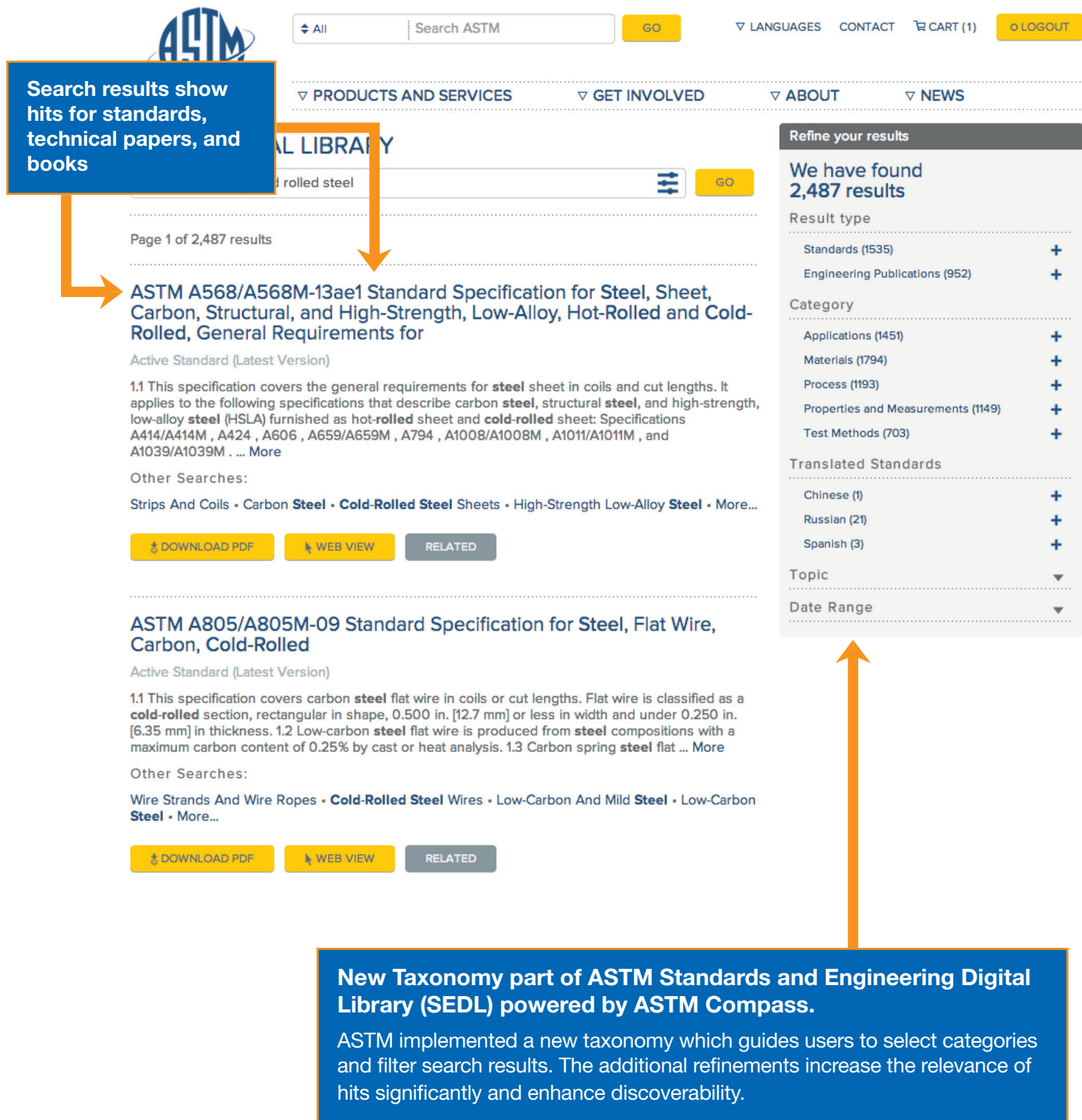
Symposia
Papers & STPs

Research
Reports

Manuals,
Monographs &
Data Series

Journals

Standards Search Results Page



The screenshot shows the ASTM Standards Search Results Page. At the top, there is a search bar with the text "Search ASTM" and a "GO" button. To the right of the search bar are links for "LANGUAGES", "CONTACT", "CART (1)", and "LOGOUT". Below the search bar, there are four tabs: "PRODUCTS AND SERVICES", "GET INVOLVED", "ABOUT", and "NEWS". The "PRODUCTS AND SERVICES" tab is selected, and the search results are displayed. The results show "Page 1 of 2,487 results". The first result is "ASTM A568/A568M-13ae1 Standard Specification for Steel, Sheet, Carbon, Structural, and High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, General Requirements for". The second result is "ASTM A805/A805M-09 Standard Specification for Steel, Flat Wire, Carbon, Cold-Rolled". On the right side of the page, there is a "Refine your results" section. This section shows "We have found 2,487 results". It lists "Result type" with "Standards (1535)" and "Engineering Publications (952)". It also lists "Category" with "Applications (1451)", "Materials (1794)", "Process (1193)", "Properties and Measurements (1149)", and "Test Methods (703)". It also lists "Translated Standards" with "Chinese (1)", "Russian (21)", and "Spanish (3)". There are "Topic" and "Date Range" filters at the bottom of the "Refine your results" section. A blue box on the left side of the page contains the text "Search results show hits for standards, technical papers, and books". An orange arrow points from this box to the search results. Another orange arrow points from the "Refine your results" section to a blue box at the bottom of the page. This blue box contains the text "New Taxonomy part of ASTM Standards and Engineering Digital Library (SEDL) powered by ASTM Compass. ASTM implemented a new taxonomy which guides users to select categories and filter search results. The additional refinements increase the relevance of hits significantly and enhance discoverability."

Search results show hits for standards, technical papers, and books

Refine your results

We have found **2,487 results**

Result type

- Standards (1535) +
- Engineering Publications (952) +

Category

- Applications (1451) +
- Materials (1794) +
- Process (1193) +
- Properties and Measurements (1149) +
- Test Methods (703) +

Translated Standards

- Chinese (1) +
- Russian (21) +
- Spanish (3) +

Topic ▼

Date Range ▼

New Taxonomy part of ASTM Standards and Engineering Digital Library (SEDL) powered by ASTM Compass.

ASTM implemented a new taxonomy which guides users to select categories and filter search results. The additional refinements increase the relevance of hits significantly and enhance discoverability.

ASTM Standards and Engineering Digital Library (SEDL) User Guide

Standards Page

Search

Search by Keyword or Designation


⌵ ⌶ ⌷
GO


Browse


Browse Standards and Publications by Category


⌵ Browse by
⌵ Your Selection
BROWSE


Click on Standards
Icon.





 Standards

 Terminology

 Symposia
Papers & STPs

 Research
Reports

 Manuals,
Monographs &
Data Series

 Journals

The standards page allows you to focus just on standards. You can search or browse all ASTM standards from this page as well as the main homepage.

SEDL - DIGITAL LIBRARY

⌵ All

⌵ ⌶ ⌷
GO

Page 1 of 2,487 results

ASTM A568/A568M-13ae1 Standard Specification for Steel, Sheet, Carbon, Structural, and High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, General Requirements for

Active Standard (Latest Version)

1.1 This specification covers the general requirements for **steel** sheet in coils and cut lengths. It applies to the following specifications that describe carbon **steel**, structural **steel**, and high-strength, low-alloy **steel** (HSLA) furnished as hot-rolled sheet and cold-rolled sheet: Specifications A414/A414M , A424 , A606 , A659/A659M , A794 , A1008/A1008M , A1011/A1011M , and A1039/A1039M ... [More](#)

Other Searches:

Strips And Coils • Carbon **Steel** • Cold-Rolled **Steel** Sheets • High-Strength Low-Alloy **Steel** • [More...](#)

 [DOWNLOAD PDF](#)

 [WEB VIEW](#)

[RELATED](#)

ASTM A805/A805M-09 Standard Specification for Steel, Flat Wire, Carbon, Cold-Rolled

Active Standard (Latest Version)

1.1 This specification covers carbon **steel** flat wire in coils or cut lengths. Flat wire is classified as a cold-rolled section, rectangular in shape, 0.500 in. [12.7 mm] or less in width and under 0.250 in. [6.35 mm] in thickness. 1.2 Low-carbon **steel** flat wire is produced from **steel** compositions with a maximum carbon content of 0.25% by cast or heat analysis. 1.3 Carbon spring **steel** flat ... [More](#)

Other Searches:

Wire Strands And Wire Ropes • Cold-Rolled **Steel** Wires • Low-Carbon And Mild **Steel** • Low-Carbon **Steel** • [More...](#)

Refine your results

We have found
2,487 results

Result type

Standards (1535) +
Engineering Publications (952) +

Category

Applications (1451) +
Materials (1794) +
Process (1193) +
Properties and Measurements (1149) +
Test Methods (703) +

Translated Standards

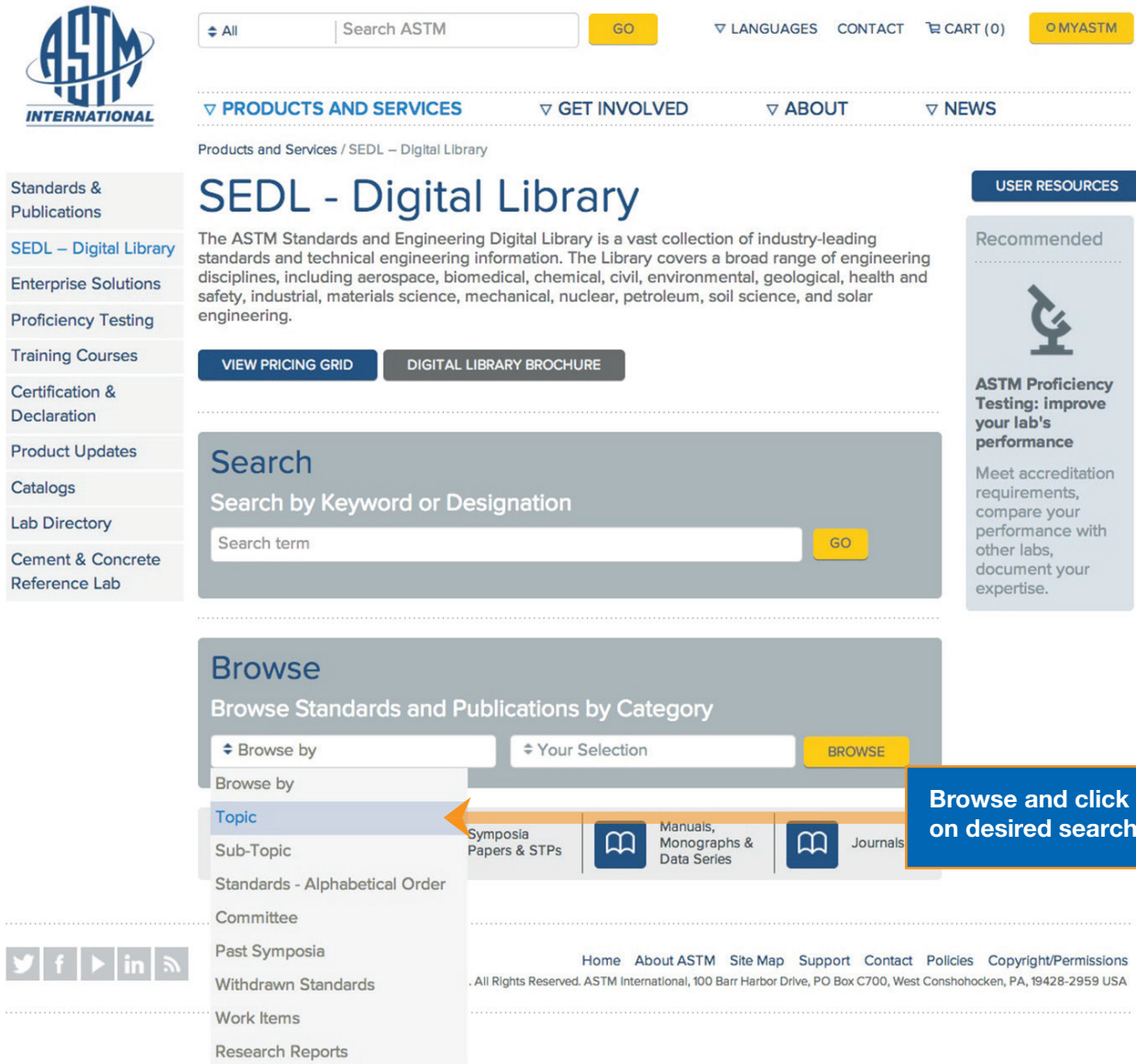
Chinese (1) +
Russian (21) +
Spanish (3) +

Topic

Date Range ⌵

ASTM Standards and Engineering Digital Library (SEDL) User Guide

Standards Access Page



The screenshot displays the ASTM Standards and Engineering Digital Library (SEDL) website. The header includes the ASTM International logo, a search bar with a dropdown menu set to 'All', and navigation links for 'LANGUAGES', 'CONTACT', 'CART (0)', and 'MYASTM'. Below the header, a navigation bar features links for 'PRODUCTS AND SERVICES', 'GET INVOLVED', 'ABOUT', and 'NEWS'. The main content area is titled 'SEDL - Digital Library' and includes a description of the library's scope, covering various engineering disciplines. A 'VIEW PRICING GRID' and 'DIGITAL LIBRARY BROCHURE' button are present. A search section allows users to search by keyword or designation. A 'Browse' section offers a categorized list of standards and publications, with a dropdown menu for 'Browse by' showing options like 'Topic', 'Sub-Topic', 'Standards - Alphabetical Order', 'Committee', 'Past Symposia', 'Withdrawn Standards', 'Work Items', and 'Research Reports'. A blue callout box highlights the 'Browse and click on desired search' instruction. A sidebar on the left lists various resources, including 'Standards & Publications', 'SEDL - Digital Library', 'Enterprise Solutions', 'Proficiency Testing', 'Training Courses', 'Certification & Declaration', 'Product Updates', 'Catalogs', 'Lab Directory', and 'Cement & Concrete Reference Lab'. A 'USER RESOURCES' section on the right promotes 'ASTM Proficiency Testing' with a recommended icon and text.

ASTM Standards and Engineering Digital Library (SEDL) User Guide

Standards Access Page Continued

SEDL - Digital Library

The ASTM Standards and Engineering Digital Library is a vast collection of industry-leading standards and technical engineering information. The Library covers a broad range of engineering disciplines, including aerospace, biomedical, chemical, civil, environmental, geological, health and safety, industrial, materials science, mechanical, nuclear, petroleum, soil science, and solar engineering.

[VIEW PRICING GRID](#)
[DIGITAL LIBRARY BROCHURE](#)

Search

Search by Keyword or Designation

Browse

Browse Standards and Publications by Category

Select your desired items and click browse



Standards



Sympo
Papers

Nonferrous Metal Products

Metals Test Methods and Analytical Procedures

Construction

Petroleum Products, Lubricants, and Fossil Fuels

Paints, Related Coatings, and Aromatics

Copyright © 1996 - 2014 ASTM. All Rights Reserved

[Privacy Policy](#) [Copyright/Permissions](#)
West Conshohocken, PA, 19428-2959 USA

USER RESOURCES

Recommended



ASTM Proficiency Testing: improve your lab's performance

Meet accreditation requirements, compare your performance with other labs, document your expertise.

Your selection will now appear

Iron and Steel Products

Standards

A1-00(2010) - Standard Specification for Carbon Steel Tee Rails

A2-02(2014) - Standard Specification for Carbon Steel Girder Rails of Plain, Grooved, and Guard Types

A3-01(2012) - Standard Specification for Steel Joint Bars, Low, Medium, and High Carbon (Non-Heat-Treated)

A6/A6M-13a - Standard Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes, and Sheet Piling

A20/A20M-13 - Standard Specification for General Requirements for Steel Plates for Pressure Vessels

[View All Standards](#)

Symposia Papers & STPs

STP1542 Rolling Element Bearings

STP1548 Bearing Steel Technologies: 9th Volume, Advances in Rolling Contact Fatigue Strength Testing and Related Substitute Technologies

STP1524 Bearing Steel Technology, 8th Volume: Developments in Rolling Bearing Steels and Testing

STP1465 Bearing Steel Technology-Advances and State of the Art in Bearing Steel Quality Assurance: 7th Volume

STP1419 Bearing Steel Technology

[View Most Recent 25 STPs](#) [View All STPs](#)

Recommended



ASTM Training: Apply standards more effectively

Train at our location or yours, and get instruction on the most important standards you use

ASTM Standards and Engineering Digital Library (SEDL) User Guide

Standards Access Page Continued


Download an active PDF, active PDF plus redline, or view the text version of selected standards from this page. Additionally, historical versions of the selected standard are available, as well as related technical papers, and more standards from the particular committee related to the original search.

ASTM A53 / A53M - 12

Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless

Active Standard ASTM A53 / A53M | Developed by Subcommittee: A01.09

Book of Standards Volume: Q1.01

Format	Pages	Price	
 PDF Version	22	\$60.00	ADD TO CART
 Print Version	22	\$60.00	ADD TO CART
 Standard + Redline PDF Bundle	44	\$72.00	ADD TO CART

[Historical Version\(s\)](#) - view previous versions of standard

Translated Version(s): [Spanish](#)

[ASTM License Agreement](#)

[Shipping & Handling](#)

[MORE A01.09 STANDARDS](#)

[RELATED PRODUCTS](#)

[STANDARD REFERENCES](#)

Abstract

This specification covers seamless and welded black and hot-dipped galvanized steel pipe in NPS 1/8 to NPS 26. The steel categorized in this standard must be open-hearth, basic-oxygen or electric-furnace processed and must have the following chemical requirements: carbon, manganese, phosphorus, sulfur, copper, nickel, chromium, molybdenum, and vanadium. The tubing shall undergo a seamless or welding process. Tension, bend, and flattening tests shall be performed to make sure that it must adhere to the mechanical properties of the standard. The hydrostatic test shall be applied, without leakage through the weld seam or the pipe body. Nondestructive electric test shall be made to make sure that the full volume of the pipe must be in accordance with the standard. The purchaser shall have the right to perform any of the inspections and tests set forth in this specification where deemed necessary to ensure that the pipe conforms to the specified requirements.

This abstract is a brief summary of the referenced standard. It is informational only and not an official part of the standard; the full text of the standard itself must be referred to for its use and application. ASTM does not give any warranty express or implied or make any representation that the contents of this abstract are accurate, complete or up to date.

1. Scope

1.1 This specification covers seamless and welded black and hot-dipped galvanized steel pipe in NPS 1/8 to NPS 26 [DN 6 to DN 650] (Note 1), inclusive, with nominal wall thickness (Note 2) as given in Table X2.2 and Table X2.3. It shall be permissible to furnish pipe having other dimensions

Recommended

[Standards Tracker](#)

[Standards Subscriptions](#)

Customers frequently also buy:

A500A50

A36A36M

[Related Standard](#)

A795/A79

A501

F1083

A714

[See All](#)

Select an option to access an active PDF, active PDF plus redline, or view text version of a standard

Recommended

[ASTM Pr](#)

[Testing:](#)

[your lab's](#)

[performance](#)

Meet accreditation

requirements,

compare your

performance with

other labs,

document your

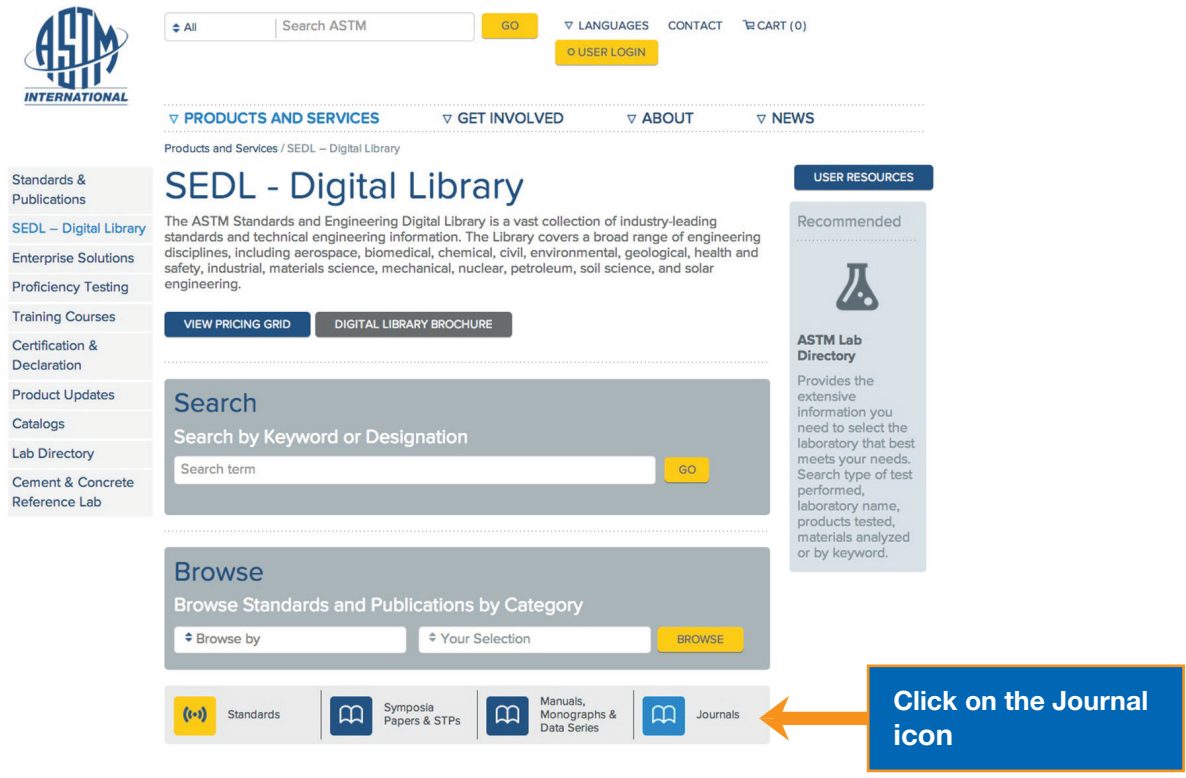
expertise.

Select an option to access an active PDF, active PDF plus redline, or view text version of a standard

ASTM Standards and Engineering Digital Library (SEDL) User Guide

Journals Page

Access multiple volumes of technical papers via multiple search methods, learn about the journal, its editors, and even submit papers to the SEDL.



The screenshot shows the ASTM SEDL - Digital Library homepage. At the top is the ASTM International logo and a search bar. Below the logo is a sidebar with links: Standards & Publications, SEDL - Digital Library, Enterprise Solutions, Proficiency Testing, Training Courses, Certification & Declaration, Product Updates, Catalogs, Lab Directory, and Cement & Concrete Reference Lab. The main content area features a search bar, a 'Browse' section, and a 'Journals' section. A blue callout box with an orange arrow points to the 'Journals' icon in the bottom navigation bar, with the text 'Click on the Journal icon'.

Clicking a specific journal takes users to a page where they can navigate specific volumes, conduct a search, and browse by a topic or year



The screenshot shows the ASTM Journals page. It features a large image of two children working together. Below the image is a 'Journals' section with the text 'Explore developments in testing and evaluation, materials performance, geotechnical and civil engineering.' To the right is a 'Recommended' section with the text 'Publish with ASTM' and 'Combine your technical expertise with the experience and reputation of ASTM to publish your research.' Below these sections is a grid of journal covers, including 'Advances in Civil Engineering Materials (ACEM)', 'Geotechnical Testing Journal (GTJ)', 'Materials Performance and Characterization (MPC)', 'Journal of Testing and Evaluation (JOTE)', 'Journal of ASTM International (JAI) 2004-2013 Backlist', and 'Journal of Forensic Sciences (JFS) 1972-2013 Backlist'.

ASTM Standards and Engineering Digital Library (SEDL) User Guide

Journals Page Continued

Journal landing page will appear


Products and Services / Standards & Publications / Journals / Advances in Civil Engineering Materials

Advances in Civil Engineering Materials (ACEM)

Recommend this Journal to Your Librarian

Search this Journal

Browse this Journal by Topic



Advances in Civil Engineering Materials (ACEM)

ASTM International's premier civil engineering journal, covering all aspects of material processing, structure, properties and performance in civil engineering systems.

Materials Covered: (but not limited to)

- Concrete
- Asphalt
- Steel
- Polymers and polymeric composites, and
- Wood for use in civil and environmental engineering applications (for example, pavements, bridges, and buildings – including nonstructural elements such as insulation and roofing) and environmental systems including water treatment.

[Find out more about Advances in Civil Engineering Materials.](#)

About this Journal

First Look Papers

Issues

Editorial Board

Author Instructions

Online Paper Submittal

Subscription Information

License Agreement

RSS News

All Journals

ISSN: 2165-3984

CODEN: ACEMF9

Recommended

Publish with ASTM

Combine your technical expertise with the experience and reputation of ASTM to publish your research

click here to see available issues


Products and Services / Standards & Publications / Journals / Advances in Civil Engineering Materials

Advances in Civil Engineering Materials (ACEM)

Recommend this Journal to Your Librarian

Search this Journal

Browse this Journal by Topic



Advances in Civil Engineering Materials (ACEM)

ASTM International's premier civil engineering journal, covering all aspects of material processing, structure, properties and performance in civil engineering systems.

Materials Covered: (but not limited to)

- Concrete
- Asphalt
- Steel
- Polymers and polymeric composites, and
- Wood for use in civil and environmental engineering applications (for example, pavements, bridges, and buildings – including nonstructural elements such as insulation and roofing) and environmental systems including water treatment.

[Find out more about Advances in Civil Engineering Materials.](#)

About this Journal

First Look Papers

Issues

Editorial Board

Author Instructions

Subscription Information

License Agreement

RSS News

All Journals

ISSN: 2165-3984

CODEN: ACEMF9

Recommended

Publish with ASTM

Combine your technical expertise with the experience and reputation of ASTM to publish your research

Making a selection provides a list of technical papers within this volume accompanied by general information about each document

Issues

2014

- [Volume 3, Issue 1 \(2014\)](#)

2013

- [Volume 2, Issue 1 \(2013\)](#)

2012

- [Volume 1, Issue 1 \(2012\)](#)

Online Only

Journals Page Continued

Journal landing page will appear

Selecting specific documents provides more detailed information about the authors

Products and Services / Standards & Publications / Journals / Advances in Civil Engineering Materials

2013 Volume 2, Issue 1

THIS ISSUE IS COMPLETE. For citation purposes, the official publication of this journal is the online version.

Development of a Reference Material for the Calibration of Cement Paste Rheometers

Ferraris C., Li Z., Zhang M., Stutzman P.

Page Count: 23

Published: 17 April 2013

[VIEW ABSTRACT](#)

[PDF \(4.0M\)](#)

Paper ID: ACEM20120003

DOI: 10.1520/ACEM20120003

Use of Portland Cement and Polymer Fibers to Stabilize Very High Moisture Content Fine-Grained Soils

Carruth W., Howard I.

Page Count: 24

Published: 06 February 2013

[VIEW ABSTRACT](#)

[PDF \(4.8M\)](#)

Paper ID: ACEM20120006

DOI: 10.1520/ACEM20120006

Large-Scale Direct Shear Testing of Recycled Construction and Demolition Materials

Piratheepan J., Arulrajah A., Disfani M.

Page Count: 12

Published: 06 February 2013

Recommended



Publish with ASTM

Combine your technical expertise with the experience and reputation of ASTM to publish your research

Products and Services / Standards & Publications / Journals / Advances in Civil Engineering Materials

Development of a Reference Material for the Calibration of Cement Paste Rheometers

Volume 2, Issue 1

ISSN: 2165-3984

CODEN: ACEMOAD

Published Online: 17 April 2013

Page Count: 23

[PDF \(4.0M\)](#)

[VIEW LICENSE AGREEMENT](#)

Ferraris, Chiara F.
Materials & Structures Systems Division, Engineering Laboratory, National Institute of Standards and Technology (NIST), Gaithersburg, MD

Li, Zhuguo
Graduate School of Science and Engineering, Yamaguchi Univ., Ube, Yamaguchi

Zhang, Min-Hong
Dept. of Civil Engineering, National Univ. of Singapore, Singapore,

Stutzman, Paul
Materials & Structures Systems Division, Engineering Laboratory, National Institute of Standards and Technology (NIST), Gaithersburg, MD


(Received 10 February 2012; accepted 5 March 2013)

Abstract

Rheometers for measuring the properties of fluids are usually calibrated using a standard reference oil. However, a rheometer used for concrete cannot be calibrated using an oil, because of the unusual geometry and size. It would be advantageous to have a granular reference material. A material that can simulate a Bingham fluid, such as cement paste, was developed in this study as a mixture of corn syrup, water, and fine limestone. This reference material will form the basis of future mortar and concrete reference materials containing fine and coarse aggregates. This paper illustrates the various aspects of the development and shows data obtained using various geometries of rheometers.

Paper ID: ACEM20120003

DOI: 10.1520/ACEM20120003

 ASTM International is a member of CrossRef.

Recommended



Publish with ASTM

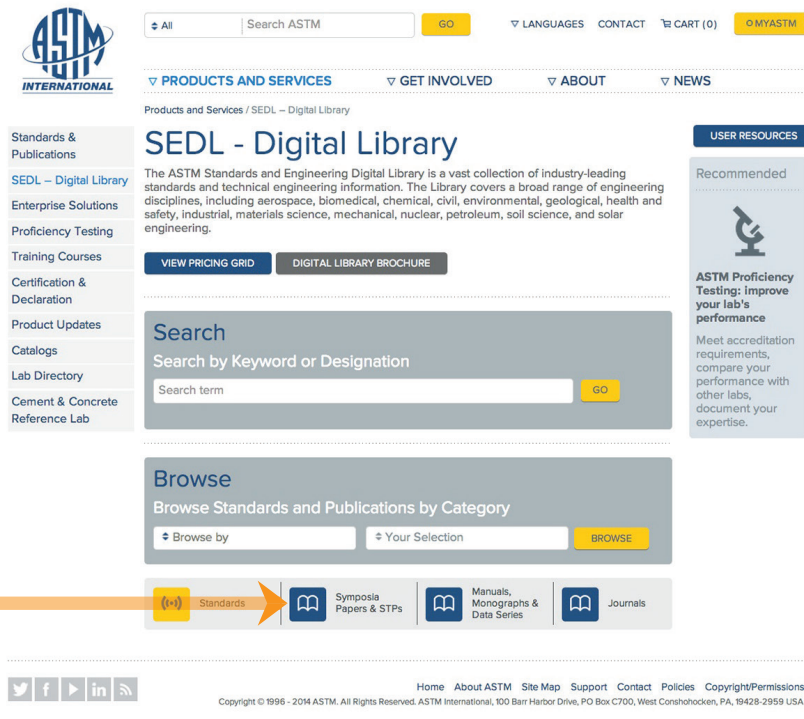
Combine your technical expertise with the experience and reputation of ASTM to publish your research

An expanded view of the paper's abstract

ASTM Standards and Engineering Digital Library (SEDL) User Guide

Symposia Papers/STPs Page

The most recent Special Technical Publications (STPs) are displayed here. Simply click on the STP icon. Browsing by topic or year is an available option from this page. Selecting a specific STP will redirect to a page providing the publications overview, and table of contents.



The screenshot shows the ASTM SEDL - Digital Library homepage. At the top is the ASTM International logo and a search bar. Below the logo is a sidebar with links to Standards & Publications, SEDL - Digital Library, Enterprise Solutions, Proficiency Testing, Training Courses, Certification & Declaration, Product Updates, Catalogs, Lab Directory, and Cement & Concrete Reference Lab. The main content area is titled 'SEDL - Digital Library' and includes a search bar, a 'Browse' section with a 'Browse by' dropdown, and a 'Recommended' section featuring 'ASTM Proficiency Testing: Improve your lab's performance'. At the bottom, there are social media links and a footer with copyright information.

Click on the STP icon

Products and Services / Standards & Publications / Symposia Papers & STPs



Symposia Papers & STPs
Discover the latest engineering research with ASTM Symposia Papers

This essential engineering collection contains over 29,000 papers -- all of them peer reviewed! All symposia papers are published in book format (known as STPs or Selected Technical Papers). You can download individual papers from any book or simply download the entire book itself.

STPs



Navigation bar for STPs with four options: Recently Published, View All, Browse by Topic, and Browse by Year.

Symposia Papers



Navigation bar for Symposia Papers with two options: Recently Published and View All.

Select from Most recent published, topic, by year or view all

STP Page continued

Selecting specific documents provides more detailed information about the authors

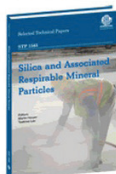
Products and Services / Standards & Publications / Symposia Papers & STPs

Most Recent 25 Symposia Papers & STPs

STP1565 Silica and Associated Respirable Mineral Particles

STP1564 Viscosity and Rheology of In-Service Fluids as They Pertain to Condition Monitoring
STP1568 Mechanical Properties of Frozen Soil
STP1570 Continuous Soil Gas Measurements: Worst Case Risk Parameters
STP1559 Fatigue and Fracture Metallic Medical Materials and Devices
STP1562 Current and Future Practices for the Testing of Multi-Component Geosynthetic Clay Liners
STP1566 Geopolymer Binder Systems
STP1563 Tribo-Corrosion: Research, Testing, and Applications
STP1560 Metal-On-Metal Total Hip Replacement Devices
STP1558 Pesticide Formulation and Delivery Systems: 32nd Volume, Innovating Legacy Products for New Uses

Products and Services / Standards & Publications / Symposia Papers & STPs



STP1565

Silica and Associated Respirable Mineral Particles

Harper Martin, Lee Taekhee
Published: 2013

Format	Pages	Price	
PDF Version (43M)	255	\$90	ADD TO CART
Print Version	255	\$90	ADD TO CART
Print + PDF Bundle - Save 25%	255	\$135.00	ADD TO CART

ASTM License Agreement

[OVERVIEW](#)

[RELATED PRODUCTS](#)

[CHECK THE CONTENTS](#)

Fifteen peer-reviewed papers provide the latest information on silica and associated respirable mineral particles, with respect to the current rulemaking activity from the US Occupational Safety and Health Administration (OSHA). This new publication demonstrates that it is possible to accurately measure respirable crystalline silica using properly applied analytical techniques employing appropriate calibration and the highest levels of quality control.

Topics cover:

- Regulatory Assessment of Respirable Crystalline Silica in Europe
- Analysis of the Silica Percent in Airborne Respirable Mine Dust Samples from U.S. Operations
- Quartz in Respirable Airborne Dust in Workplaces in Selected Coal and Metal Mines in India
- Respirable Crystalline Silica Exposures among Stone Workers in Ireland
- Measurement Precision of Respirable Dust and Silica in Workplace Conditions
- Infrared Analysis of Respirable Coal Mine Dust for Quartz: Thirty-Five Years
- And much more!

Table of Contents

Regulatory Assessment of Respirable Crystalline Silica in Europe: REACH, GHS, CLP, and Carcinogen Directive
Friede B., Wyart-Remy M.

Analysis of the Silica Percent in Airborne Respirable Mine Dust Samples From U.S. Operations
Cauda E., Joy G., Miller A., Mischler S.

Quartz in Respirable Airborne Dust in Workplaces in Selected Coal and Metal Mines in India

Recommended



ASTM Proficiency Testing: improve your lab's performance

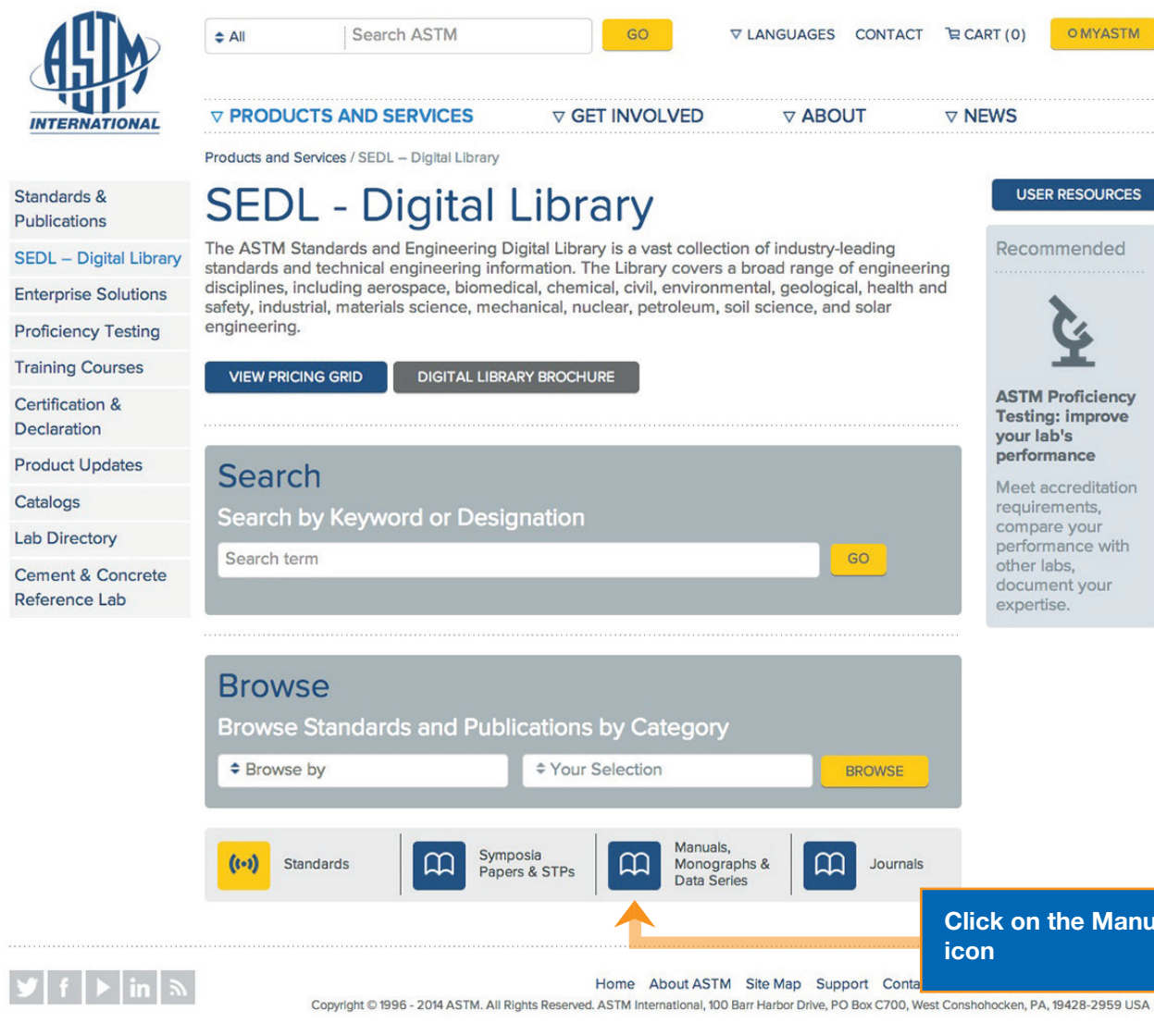
Meet accreditation requirements, compare your performance with other labs, document your expertise.

and an expanded view of the paper's abstract as well as multiple purchasing options

ASTM Standards and Engineering Digital Library (SEDL) User Guide

Manuals Page

Manuals (MNL), Monographs (MONO), and Data Series (DS) documents are available from this page. Simply click on the Manuals, Monographs, and Data Series icon.




The screenshot displays the ASTM Standards and Engineering Digital Library (SEDL) website. The header includes the ASTM International logo, a search bar with the text 'Search ASTM', and navigation links for 'LANGUAGES', 'CONTACT', 'CART (0)', and 'MYASTM'. Below the header, there are tabs for 'PRODUCTS AND SERVICES', 'GET INVOLVED', 'ABOUT', and 'NEWS'. The main content area is titled 'SEDL - Digital Library' and describes the vast collection of industry-leading standards and technical engineering information. A sidebar on the left lists various categories like 'Standards & Publications', 'Enterprise Solutions', and 'Proficiency Testing'. A 'USER RESOURCES' section on the right highlights 'Recommended' content, including 'ASTM Proficiency Testing: improve your lab's performance'. The main content area features a 'Search' section with a search bar and a 'Browse' section with a category selection dropdown. At the bottom, there is a navigation bar with icons for 'Standards', 'Symposia Papers & STPs', 'Manuals, Monographs & Data Series', and 'Journals'. An orange arrow points to the 'Manuals, Monographs & Data Series' icon, which is highlighted in a blue box with the text 'Click on the Manual icon'. The footer includes social media links and copyright information.

ASTM Standards and Engineering Digital Library (SEDL) User Guide

Manuals Page Continued





▼ PRODUCTS AND SERVICES ▼ GET INVOLVED ▼ ABOUT ▼ NEWS

Products and Services / Standards & Publications / Manuals, Monographs and Data Series



Manuals, Monographs, & Data Series
Get practical, hands-on guidance, data, and detailed technical insight.

Get practical, hands-on application information (Manuals) or advanced and highly technical information (Monographs) from highly-regarded experts in their respective fields. The ASTM Data Series cover specific applications, contain compiled data, and usually include explanatory text.

 Recently Published
  Browse by Topic
  Browse by Year
  View All

Home About ASTM Site Map Support Contact Policies Copyright/Permissions
Copyright © 1996 - 2014 ASTM. All Rights Reserved. ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA, 19428-2959 USA

Select to view from recently published, browse by topic, browse by year or view all

▼ PRODUCTS AND SERVICES ▼ GET INVOLVED ▼ ABOUT ▼ NEWS

Products and Services / Standards & Publications / Manuals, Monographs, & Data Series

Most Recent 25 Manuals, Monographs, & Data Series

MONO10 Elemental Analysis of Fossil Fuels and Related Materials
 MNL32-5TH Manual on Test Sieving Methods: Guidelines for Establishing Sieve Analysis Procedures
MNL72 The Practice of Flash Point Determination: A Laboratory Resource
 MNL58 Petroleum Refining and Natural Gas Processing
 MNL62 Automotive Lubricants and Testing
 MNL65 Application of ASTM E2691 Standard Practice for Job Productivity Measurement

Select a document from this list of recent publications or search by topic or year

Products and Services / Standards & Publications / Manuals, Monographs, & Data Series

MNL72

The Practice of Flash Point Determination: A Laboratory Resource

More Flash Point Products Available
White Edmund, Montemayor Rey
Pages: 93
Published: 2013
[PDF \(93kb\)](#)

More About this Product
[OVERVIEW](#) [VIEW LICENSE AGREEMENT](#)

Satisfy:
 • Product performance and quality specification for various liquid fuels and materials
 • Government safety standards for storage, use, and transportation of potentially flammable or combustible materials.

Flash point defines petroleum product quality. This user's guide compares commonly used flash point apparatus and procedures and provides general guidance in the use and interpretation of standard ASTM flash point methods, including:
 • D92 Flash Point by Tag Closed Cup Tester
 • D92 Flash Point by Cleveland Open Cup Tester and Fire Point
 • D93 Flash Point by Pensky-Martens Closed Cup Tester
 • D3828 Flash Point by Small Scale Closed-Cup Tester
 • D7094 Flash Point by Continuously Closed Cup (MCCCFP) Tester

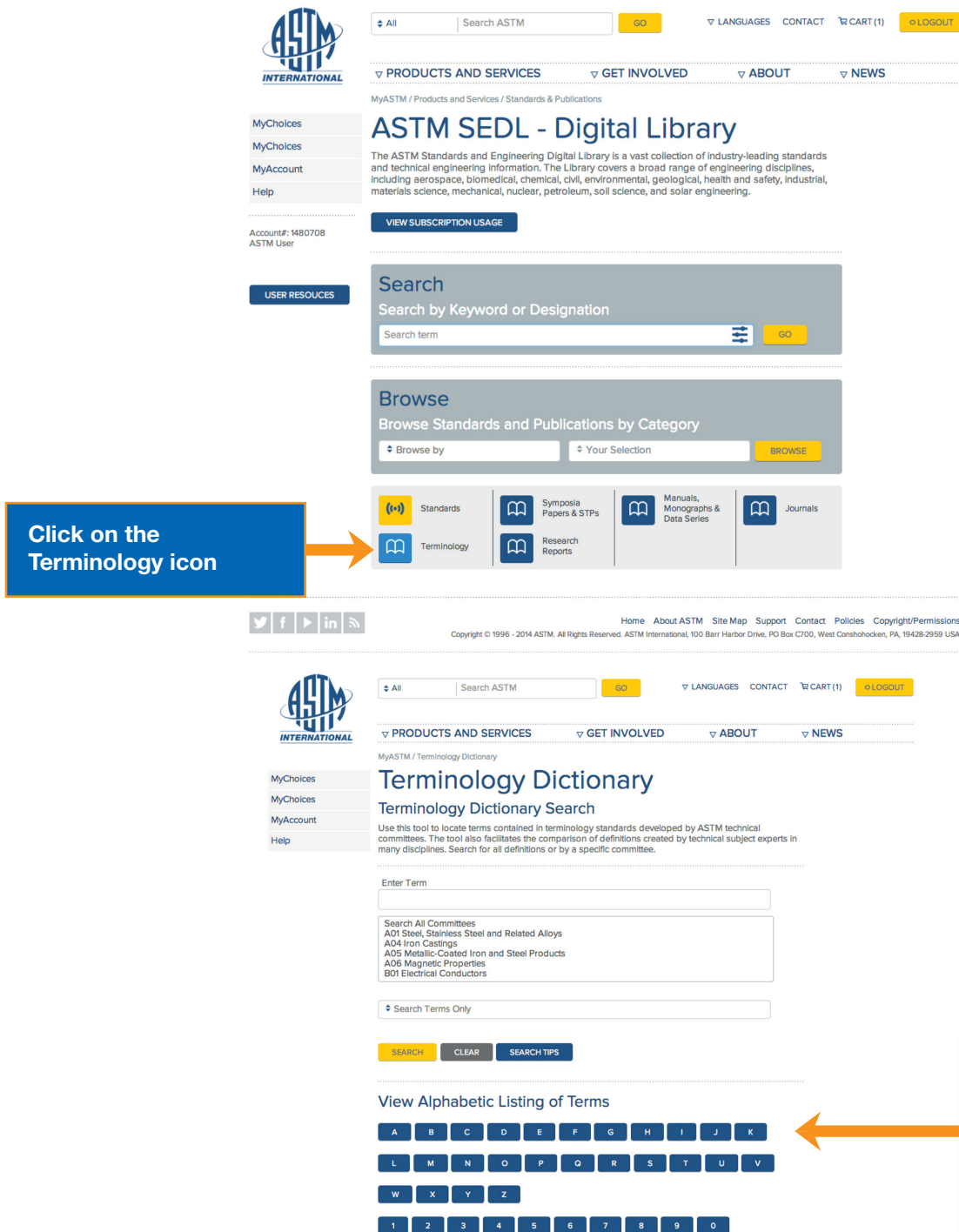
Chapters cover:
 • Significance and current use of the flash point test methods
 • Explanation and definition of terms
 • Flash point apparatus and auxiliary equipment
 • Sampling and test specimens
 • Preparation, verification, and maintenance of apparatus
 • Procedures, corrections, and reporting
 • Precision of flash point test methods
 • Flash point relationships

The manual is intended for those who run the flash point tests or for the users of the results of such tests. This includes lab technicians in testing laboratories, trucking, railway, aviation, shipping and warehousing of volatile materials to determine if they get what they ordered based on the flash point and the volatility of the materials. Also for businesses that receive DOT/EPA regulated petroleum products and refinery effluents.

ASTM Standards and Engineering Digital Library (SEDL) User Guide

Terminology Page

Accessed by clicking the “Terminology” icon, this page provides a terminology dictionary with integrated search options. This allows users to search a term or definition, search by committee, or view a list of terms alphabetically for additional clarification.



The screenshot displays the ASTM SEDL - Digital Library website. The top navigation bar includes the ASTM logo, a search bar, and links for LANGUAGES, CONTACT, CART (1), and LOGOUT. The main menu features PRODUCTS AND SERVICES, GET INVOLVED, ABOUT, and NEWS. The left sidebar contains MyChoices, MyAccount, and Help links, along with account information (Account#: 1480708, ASTM User) and a USER RESOURCES button.

The main content area is titled "ASTM SEDL - Digital Library" and describes the vast collection of industry-leading standards and technical engineering information. Below this, there are sections for "Search" (Search by Keyword or Designation) and "Browse" (Browse Standards and Publications by Category). The "Browse" section includes a "Browse by" dropdown and a "Your Selection" dropdown, with a "BROWSE" button.

A blue box with an arrow points to the "Terminology" icon in the "Browse" section. The "Terminology" icon is located in the "Browse by" dropdown menu, which also includes Standards, Symposia Papers & STPs, Research Reports, Manuals, Monographs & Data Series, and Journals.

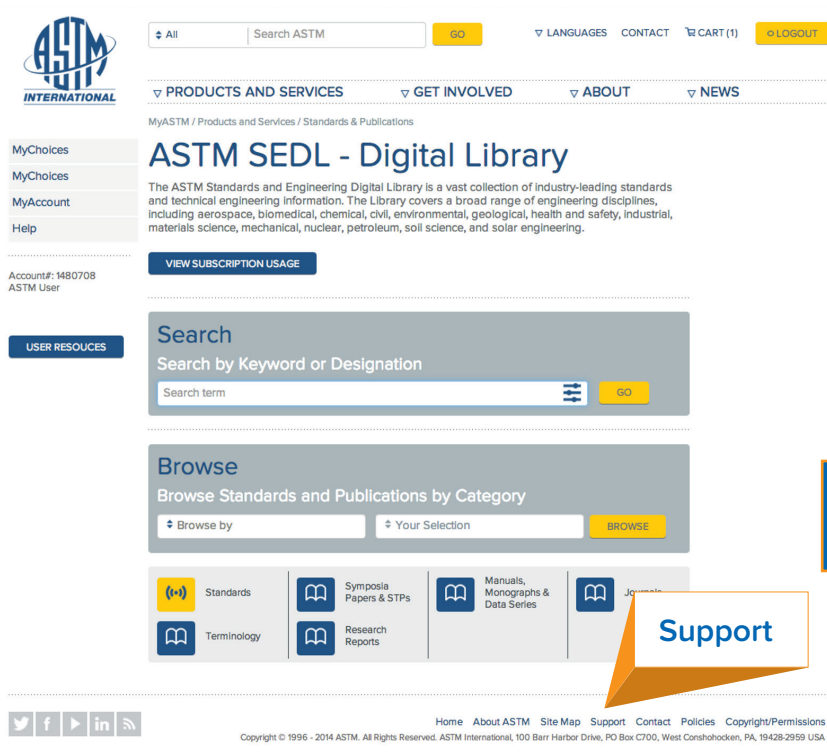
The bottom section of the page is titled "Terminology Dictionary" and "Terminology Dictionary Search". It includes a search bar, a dropdown for "Search All Committees" (listing A01 Steel, Stainless Steel and Related Alloys, A04 Iron Castings, A05 Metallic-Coated Iron and Steel Products, A06 Magnetic Properties, B01 Electrical Conductors), and a "Search Terms Only" dropdown. Below the search bar are buttons for SEARCH, CLEAR, and SEARCH TIPS.

A blue box with an arrow points to the "View Alphabetical Listing of Terms" section, which displays a grid of letters (A through Z) and numbers (1 through 0) for alphabetical navigation.

ASTM Standards and Engineering Digital Library (SEDL) User Guide

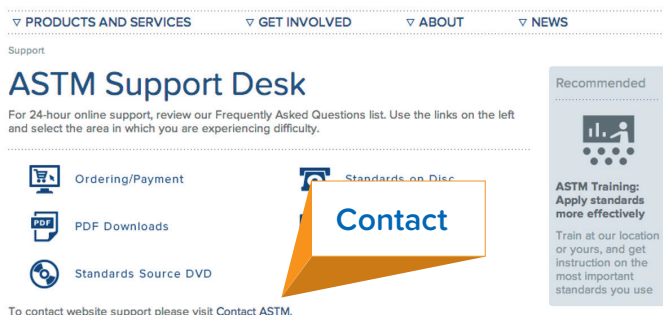
Technical Assistance

For questions or assistance with the ASTM Standards and Engineering Digital Library (SEDL) powered by COMPASS, simply click “Support” at the bottom of the webpage for information on how to email or phone our technical support staff.



The screenshot shows the ASTM SEDL - Digital Library homepage. At the top is the ASTM International logo and navigation links: All, Search ASTM, GO, LANGUAGES, CONTACT, CART (1), and LOGOUT. Below the logo is a search bar with the text "Search by Keyword or Designation" and a "GO" button. To the left of the search bar are links for MyChoices, MyAccount, and Help. Below the search bar is a "Browse" section with a "Browse by" dropdown and a "Your Selection" dropdown, followed by a "BROWSE" button. Below the browse section are icons for Standards, Terminology, Symposia Papers & STPs, Research Reports, Manuals, Monographs & Data Series, and Journals. A blue callout box with the word "Support" points to the "Support" link in the footer. The footer contains links for Home, About ASTM, Site Map, Support, Contact, Policies, and Copyright/Permissions, along with a copyright notice: Copyright © 1996 - 2014 ASTM. All Rights Reserved. ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA, 19428-2959 USA.

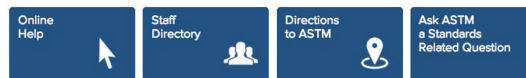
Click on Support for
contact information



The screenshot shows the ASTM Support Desk page. It features a "Support" header and a "Contact" button. Below the button are links for Ordering/Payment, PDF Downloads, and Standards Source DVD. A "Recommended" section on the right promotes "ASTM Training: Apply standards more effectively" with a description: "Train at our location or yours, and get instruction on the most important standards you use".

Click on contact

Contact ASTM



Buttons for Online Help, Staff Directory, Directions to ASTM, and Ask ASTM a Standards Related Question.

Call Us...

Monday through Friday 8:30am-4:30pm Eastern US Standard Time

Sales & Customer Support

1-877-909-2786 (USA & Canada)
610-832-9585 (International)

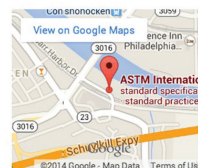
Website Support

1-877-909-2786 (USA & Canada)
610-832-9585 (International)

ASTM Headquarters

100 Barr Harbor Drive
PO Box C700
West Conshohocken, PA
19428-2959 | USA

Directions



Recommended



ASTM Proficiency Testing: improve your lab's performance

Meet accreditation requirements, compare your performance with other labs, document your expertise.