



PORTAL QUICK REFERENCE GUIDE

Thank you for subscribing to the ASTM Online Portal. Your ASTM Online Portal offers an easy-to-use solution for accessing, managing and sharing technical information organization-wide. Combining proven industry standards and technical publications with intuitive management tools, the Portal enables you tackle mission-critical work with a greater expertise, speed and efficiency. Below are answers to the most frequently asked questions (FAQs).

1. HOW IS THE PORTAL ACCESSED?

With IP Recognition, our server recognizes users accessing the site by the IP address and allows for seamless pass through. You provide us with the IP address or ranges for the licensed locations. Use this url to get to your subscription: <http://portal.astm.org>.

Once Users are in the Portal, they can begin to search, view, print and compare standards. To take advantage of advanced features, Users can establish a login that allows them to access the User Tools.

You can self-register by clicking on the Register button located at the top right hand corner of the portal homepage.

[LANGUAGES](#)[PORTAL HOME](#)[REGISTER](#)[USER LOGIN](#)

ASTM International Web Portal

A new way to make international standards and engineering information work for you.

Search Portal

Browse Portal by:

ASTM Book of Standards

Category

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Portal Contents

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[Training >](#)
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User Login features include:

- Attach notes, links, images and other data to standards to integrate important company information and knowledge.
- Create work groups to build greater collaboration and enhance team work.
- Bookmark relevant standards to facilitate faster access to standards.
- Set up alerts for notifications of new and revised standards to stay current.

2. HOW DO I SEARCH FOR MY CONTENT IN THE PORTAL?

There are 4 ways to search and find information in the portal.

The screenshot shows the ASTM International Web Portal home page. The page features the ASTM International logo, navigation links for PORTAL HOME, REGISTER, and USER LOGIN, and a login form with fields for email and password. The main content area is titled 'ASTM International Web Portal' and includes a search bar (Option 1), a 'Browse Portal by' section with dropdown menus for 'ASTM Book of Standards' and 'Category' (Option 2), and a 'View Alphanumeric Listings of Standards' section with buttons for letters A through G (Option 3). A 'Portal Contents' sidebar (Option 4) lists various categories like Standards, Training, and Engineering Publications. The page also includes sections for Tool Center and Help Center.

OPTION 1: 'Search Portal'

'Search Portal' allows you to search by Standard Designation (i.e. C117) or by keyword(s). The search results will be ranked by relevance and may include a mix of both Standards and Engineering Publications. Our 'Search Portal' field searches the entire ASTM Standards and Engineering Publications Library. However, if you want to refine your results to show only your licensed content, click on 'My Portal Only' and this will change the search results to show only what is available for full text viewing and downloading.

PORTAL HOME REGISTER USER LOGIN

ASTM INTERNATIONAL

All astm GO

Page 1 of 93,387 results

We have found 93,387 results

Library

- MyPortal Only +

Result type

- Standards (53889) +
- Engineering Publications (39498) +

Category

- Applications (19894) +
- Materials (13574) +
- Process (7280) +
- Properties and Measurements (11596) +
- Test Methods (9189) +

Topic

Date Range

- In Last Year (5557) +
- In Last 5 Years (20275) +
- In Last 10 Years (38964) +

ASTM F1155-10 Standard Practice for Selection and Application of Piping System Materials

Active Standard (Latest Version)

(NODE:0 17295535-518319 colid:16 R40.984142) 1.1 This practice is intended as a guide to shipbuilders, shipowners, and design agents for use in the preparation of piping system material schedules for commercial ship design and construction. 1.2 The materials and limitations listed in Tables 1- 28 meet the minimum requirements of the U.S. Coast Guard and the American Bureau of Shipping and, except for titanium, should be considered to be ... [More](#)

Other Searches:

Materials • Piping Systems • Piping Systems Materials • Ship Construction • More...

DOWNLOAD PDF WEB VIEW RELATED

ASTM E1-13 Standard Specification for ASTM Liquid-in-Glass Thermometers

Active Standard (Latest Version)

(NODE:0 17294141-516925 colid:16 R40.079784) 1.1 This specification covers liquid-in-glass thermometers graduated in degrees Celsius or degrees Fahrenheit that are frequently identified and used in methods under the jurisdiction of the various technical committees within ASTM. The various thermometers specified are listed in Table 1. The inclusion of an IP number in Table 1 indicates, where appearing, that the thermometer specification ... [More](#)

OPTION 2: 'Browse Portal By'

'Browse Portal By' will only search Standards and Engineering Publications (if applicable) within your Portal Contents only. You can choose to search for Standards and Engineering Publications by section and volume of the Annual Book of ASTM Standard, or you can choose to 'Browse Portal By' category, which will display results for both Standards and Engineering Publications (if applicable) by subject area within your subscribed content only.

OPTION 3: 'View Alphanumeric Listing of Standards'

'View Alphanumeric Listing of Standards' are quick links to alphanumeric list of standards in your collection. Choose the corresponding letter to see a list of all the corresponding standards in your Portal, such as A123, B125, C2345, etc.

OPTION 4: 'Portal Contents'

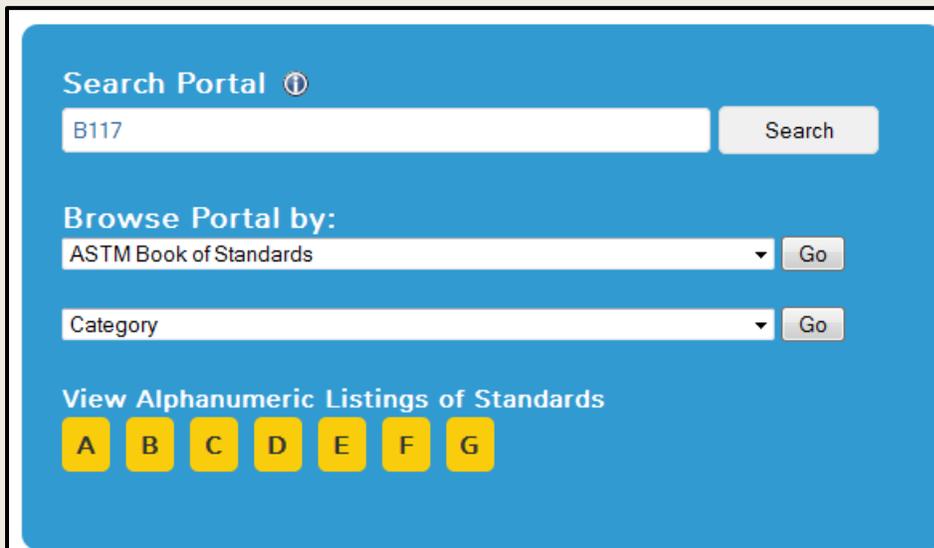
'Portal Contents' lists the applicable ASTM publications, products and services your organization subscribes to; these are all direct links that will take Users into that particular product or service.

It can include any or all of the following links:

- Standards
- Training
- Standards with Videos
- Custom Collections
- Engineering Publications
- 3rd Party Content
- Translated Standards

3. HOW DO I FIND HISTORICAL/OLDER VERSIONS OF STANDARDS IN THE PORTAL?

The default for a standard search is always the most recent version of a standard. However, as part of your Portal benefits, you get access to historical or older versions as well. If you are using the 'Search Portal' (Option 1 from Q2) to look for an older version of the standard, enter the designation and click on search:



Search Portal ⓘ

B117 Search

Browse Portal by:

ASTM Book of Standards Go

Category Go

View Alphanumeric Listings of Standards

A B C D E F G

From the search results page, under Result type, expand Standards to show the option for Historical or under the scope in the search result, click on related:

Standards B117 GO

Page 1 of 377 results

ASTM B117-11 Standard Practice for Operating Salt Spray (Fog) Apparatus

Active Standard (Latest Version)

(NODE:0 17285882-508666 colid:16 R39.530586) 1.1 This practice covers the apparatus, procedure, and conditions required to create and maintain the salt spray (fog) test environment. Suitable apparatus which may be used is described in Appendix X1 . 1.2 This practice does not prescribe the type of test specimen or exposure periods to be used for a specific product, nor the interpretation to be given to the results. 1.3 The values stated ... More

Other Searches:
 Controlled Corrosive Environment • Corrosive Conditions • Determining Mass Loss • Salt Spray (Fog) Exposure: Loading Tests--metals/alloys • More...

DOWNLOAD PDF WEB VIEW RELATED

Refine your results

We have found **377 results**

Standards

Remove All Refinements

Library

MyPortal Only +

Result type

Active (110) +

Historical (265) +

Withdrawn (2) +

Category

Applications (85) +

Materials (57) +

Process (56) +

ASTM A1004/A1004M-09(2009) Standard Practice for Establishing

If you use the other three search options (Options 2-4, Q2), listed under each full titled active version of a standard is a link that says 'Show All Versions', click on this link to show all available prior versions:

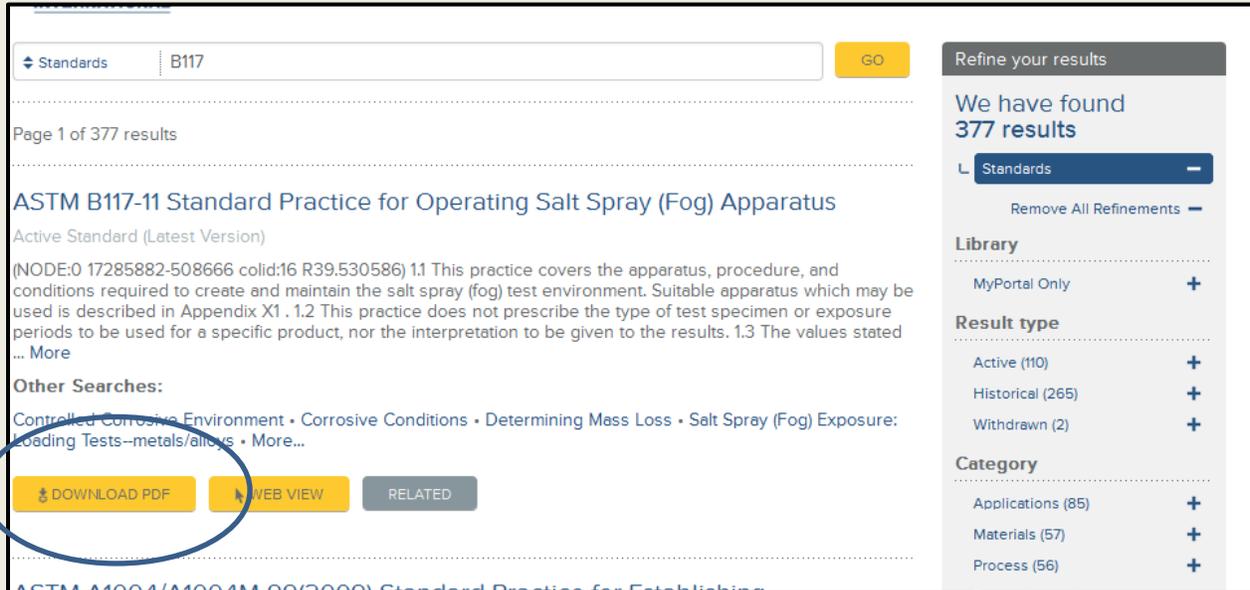
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A new way to make international standards and engineering information work for you.

Designation	Title
B1-12 Show All Versions B1-01(2007) B1-01 B1-95	Standard Specification for Hard-Drawn Copper Wire
B2-12e1 Show All Versions	Standard Specification for Medium-Hard-Drawn Copper Wire
B3-12 Show All Versions	Standard Specification for Soft or Annealed Copper Wire
B5-11 Show All Versions	Standard Specification for High Conductivity Tough-Pitch Copper Refinery Shapes
B6-13	Standard Specification for Zinc

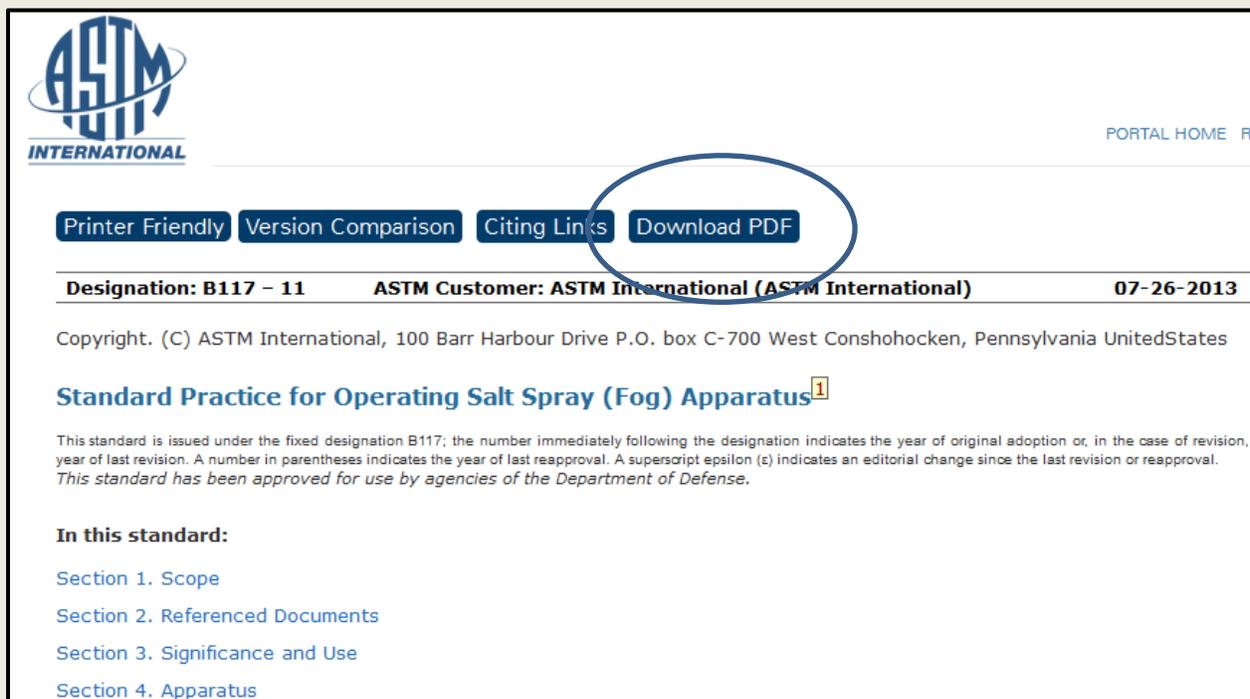
4. HOW DO I DOWNLOAD THE PDF OF A STANDARD?

There are two ways you can download a PDF of a standard. From the search results page, you click on 'Download PDF' yellow button of the standard:



The screenshot shows the search results for 'ASTM B117-11 Standard Practice for Operating Salt Spray (Fog) Apparatus'. The search bar contains 'Standards' and 'B117'. The results show 'Page 1 of 377 results'. The standard title is 'ASTM B117-11 Standard Practice for Operating Salt Spray (Fog) Apparatus' with the status 'Active Standard (Latest Version)'. A brief description follows: '(NODE:0 17285882-508666 colid:16 R39.530586) 1.1 This practice covers the apparatus, procedure, and conditions required to create and maintain the salt spray (fog) test environment. Suitable apparatus which may be used is described in Appendix X1 . 1.2 This practice does not prescribe the type of test specimen or exposure periods to be used for a specific product, nor the interpretation to be given to the results. 1.3 The values stated ... More'. Below the description are 'Other Searches:' links for 'Controlled Corrosive Environment', 'Corrosive Conditions', 'Determining Mass Loss', 'Salt Spray (Fog) Exposure: Loading Tests--metals/alloys', and 'More...'. At the bottom of the search results, there are three buttons: 'DOWNLOAD PDF' (circled in blue), 'WEB VIEW', and 'RELATED'. On the right side, there is a 'Refine your results' sidebar showing 'We have found 377 results', a filter for 'Standards', and a 'Library' section with 'MyPortal Only' selected. Below that, 'Result type' includes 'Active (110)', 'Historical (265)', and 'Withdrawn (2)'. The 'Category' section lists 'Applications (85)', 'Materials (57)', and 'Process (56)'.

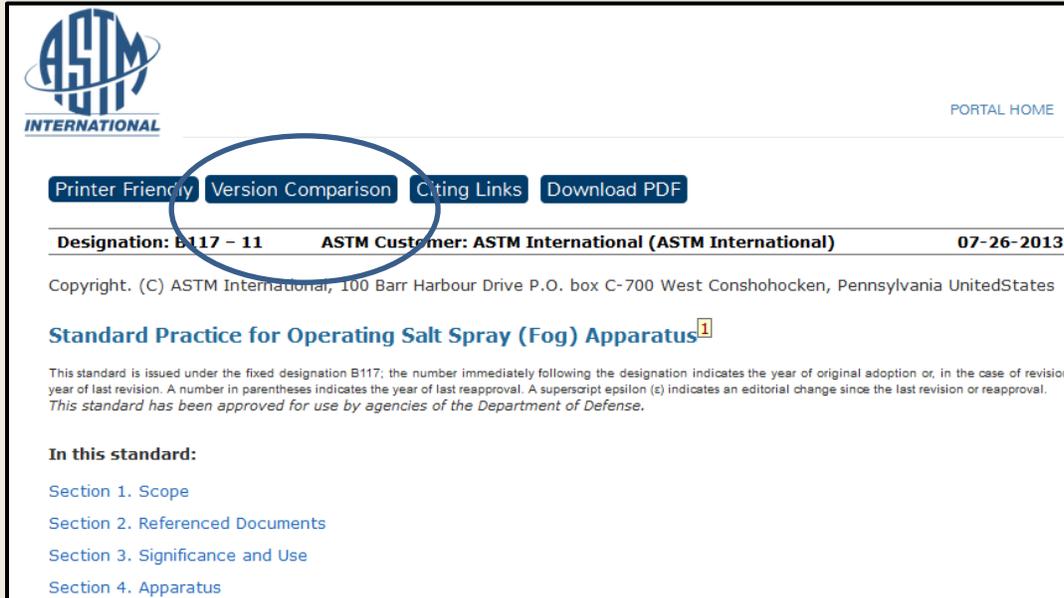
If you are in the web view (text/html) version of the standard, you click on the 'Download PDF' link located in blue at the top of the screen:



The screenshot shows the web view of the 'ASTM B117-11 Standard Practice for Operating Salt Spray (Fog) Apparatus'. The ASTM International logo is in the top left, and 'PORTAL HOME R' is in the top right. A navigation bar contains buttons for 'Printer Friendly', 'Version Comparison', 'Citing Links', and 'Download PDF' (circled in blue). Below the navigation bar, the designation 'Designation: B117 - 11' is shown, followed by 'ASTM Customer: ASTM International (ASTM International)' and the date '07-26-2013'. The copyright notice reads: 'Copyright. (C) ASTM International, 100 Barr Harbour Drive P.O. box C-700 West Conshohocken, Pennsylvania UnitedStates'. The title 'Standard Practice for Operating Salt Spray (Fog) Apparatus¹' is displayed in blue. Below the title, a paragraph explains: 'This standard is issued under the fixed designation B117; the number immediately following the designation indicates the year of original adoption or, in the case of revision, year of last revision. A number in parentheses indicates the year of last reappraisal. A superscript epsilon (ε) indicates an editorial change since the last revision or reappraisal. This standard has been approved for use by agencies of the Department of Defense.' Under the heading 'In this standard:', there are four links: 'Section 1. Scope', 'Section 2. Referenced Documents', 'Section 3. Significance and Use', and 'Section 4. Apparatus'.

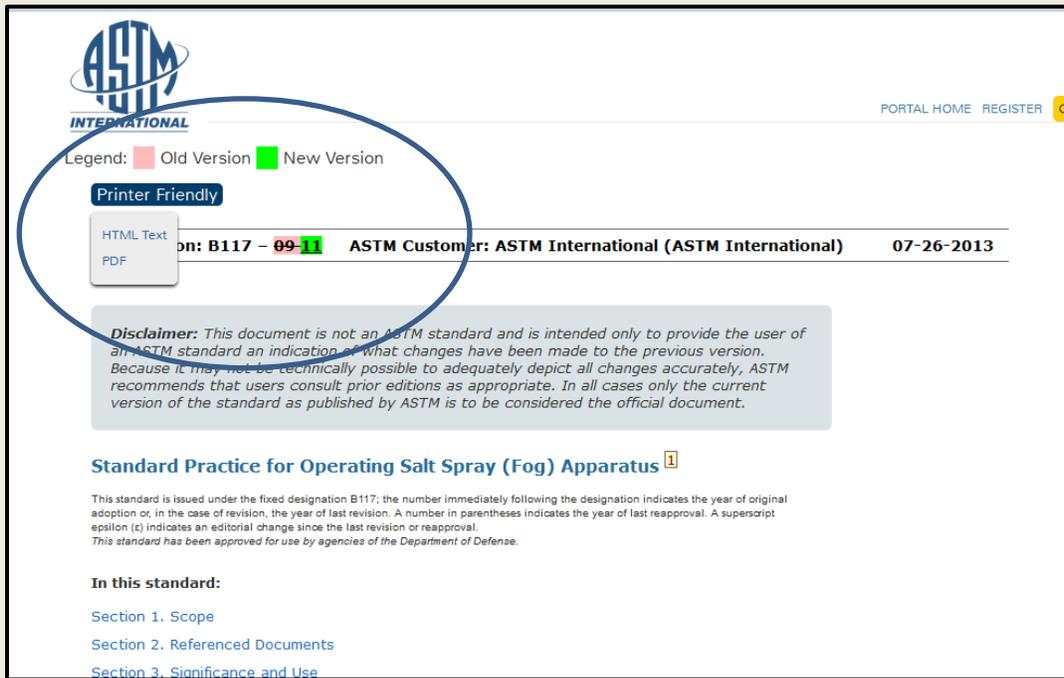
5. HOW DO I COMPARE CHANGES OF AN ACTIVE & PRIOR STANDARD?

This feature is available within the web view (text/HTML) version. From the active version of a standard, click on the 'Version Comparison' link located in blue at the top of the screen:



The screenshot shows the ASTM International website interface. At the top left is the ASTM International logo. On the right, there are links for 'PORTAL HOME' and 'REGISTER'. Below the logo, there is a navigation bar with four buttons: 'Printer Friendly', 'Version Comparison', 'Citing Links', and 'Download PDF'. The 'Version Comparison' button is circled in blue. Below the navigation bar, the page displays the designation 'B117 - 11', the ASTM Customer 'ASTM International (ASTM International)', and the date '07-26-2013'. A copyright notice follows: 'Copyright. (C) ASTM International, 100 Barr Harbour Drive P.O. box C-700 West Conshohocken, Pennsylvania United States'. The main heading is 'Standard Practice for Operating Salt Spray (Fog) Apparatus' with a superscripted '1'. Below this, there is a paragraph of text explaining the standard's issuance and a note that it has been approved for use by agencies of the Department of Defense. Under the heading 'In this standard:', there are four links: 'Section 1. Scope', 'Section 2. Referenced Documents', 'Section 3. Significance and Use', and 'Section 4. Apparatus'.

In the HTML version, differences are highlighted by different colors. To view the changes in a PDF (as a redline/strikethroughs), click on 'Printer Friendly' and then select PDF from the drop down menu:



The screenshot shows the same ASTM International website interface as the previous image. The 'Printer Friendly' button is circled in blue, and a dropdown menu is open, showing 'HTML Text' and 'PDF' options. The 'PDF' option is selected. Below the navigation bar, the page displays the designation 'B117 - 09-11', the ASTM Customer 'ASTM International (ASTM International)', and the date '07-26-2013'. A legend indicates that a pink square represents the 'Old Version' and a green square represents the 'New Version'. Below the legend, there is a disclaimer: 'Disclaimer: This document is not an ASTM standard and is intended only to provide the user of an ASTM standard an indication of what changes have been made to the previous version. Because it may not be technically possible to adequately depict all changes accurately, ASTM recommends that users consult prior editions as appropriate. In all cases only the current version of the standard as published by ASTM is to be considered the official document.' The main heading is 'Standard Practice for Operating Salt Spray (Fog) Apparatus' with a superscripted '1'. Below this, there is a paragraph of text explaining the standard's issuance and a note that it has been approved for use by agencies of the Department of Defense. Under the heading 'In this standard:', there are three links: 'Section 1. Scope', 'Section 2. Referenced Documents', and 'Section 3. Significance and Use'.

6. HOW DO I CREATE AN ANNOTATION?

Login to create an Annotation; if you do not have a login, you can click on Register to create one (See Q1). This feature is available within the web view (text/HTML) version. You can create an Annotation at the title as well as each section of the standard:

1. Scope Top ▲ ▼ Bottom

1.1 This specification covers hard-drawn round copper wire for electrical purposes.

1.2 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.2.1 *Exception*—For density, resistivity and temperature, the values stated in SI units are to be regarded as standard.

this is a test annotation for demonstration purposes only. - Annotation Made By:Jill Walters Thu Aug 1 13:32:34 EDT 2013

Add/edit annotation **save annotation** 

2. Referenced Documents Top ▲ ▼ Bottom

2.1 *ASTM Standards*:²

[B49 Specification for Copper Rod Drawing Stock for Electrical Purposes](#)
[B193 Test Method for Resistivity of Electrical Conductor Materials](#)
[B258 Specification for Nominal Diameters and Cross-Sectional Areas of AWG Sizes of Solid Round Wires Used as Electrical Conductors](#)

2.2 *National Institute of Standards and Technology*:
NBS Handbook 100 —Copper Wire Tables³

Add/edit annotation **save annotation** 

3. Ordering Information Top ▲ ▼ Bottom

3.1 Orders for material under this specification shall include the following information:

3.1.1 Quantity of each size,

3.1.2 Wire size: diameter in inches ([5.4](#) and [Table 1](#)),

TABLE 1 Tensile Properties

Diameter ^A				Area at 20°C		Nominal Tensile Strength ^B (see Explanatory Note 2)		Nominal Elongation, % ^B
in.	mm	cmil	in. ²	mm ²	psi	MPa	in 10 in. (250 mm)	
0.4600	11.684	211 600	0.1662	107.0	49 000	340	3.8	

Once you create and save your Annotation, you will see it noted in the Table of Contents of the Standard (See above Screenshot); you can also go to Tool Center and from the drop down menu select My Annotations to see a master list of all the Annotations you have created:

ASTM INTERNATIONAL

PORTAL HOME TOOL CENTER LOGOUT

Printer Friendly Version Comparison Citing Links Download PDF Bookmark Share With Group

Designation: B1 – 12 ASTM Customer: Jill Walters (ASTM International) 07-26-2013

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Standard Specification for Hard-Drawn Copper Wire¹

Add/edit annotation save annotation

This standard is issued under the fixed designation B1; 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 Department of Defense.

In this standard:

- Section 1. Scope - **ANNOTATED**
- Section 2. Referenced Documents
- Section 3. Ordering Information
- Section 4. Materials and Manufacture
- Section 5. General Requirements (see Section 8)
- Section 6. Test Methods - **ANNOTATED**
- Section 7. Inspection
- Section 8. Packaging and Package Marking

7. HOW DO I CREATE A GROUP AND SHARE AN ANNOTATION WITH THE GROUP?

Login to create a Group; if you do not have a login, you can click on Register to create one (See Q1). From Tool Center, you click on Create A Group:

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- UOP Standards >
- Spanish Standards >
- Russian Standards >
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Tool Center

My Annotations ⓘ
My Bookmarks ⓘ
My Groups ⓘ
Standards Shared With Me ⓘ
Alerts ⓘ
Create a Group ⓘ

Complete the following information on the page:

information work for you.

Create a Portals Group

Create New Portals Group

Name of Group:

Group Owner: Jill Walters

Add Group Description

Enter A Brief Description of your Group:

Add Portal Members To Group

Portal Members

Aubry, Shannon

Cendrowska, Teresa

Clauson, Doug

Demico, Laura

Doelp, Frank

Dreyfuss, Bob

Enright, Cicely

Falco, Carla

Gallagher, John

Hanson, Howard

(Highlight a name)

Select All Portal Members

Add to Group

Remove From Group

Group Members

Walters, Jill

Add Standards To Group (Optional)

Search Standards by Designation: (Example: Enter A12 then press [Submit Search])

Portal Standards

(Highlight a standard)

Add to Group

Remove From Group

Group Standards

Add a Group Name here

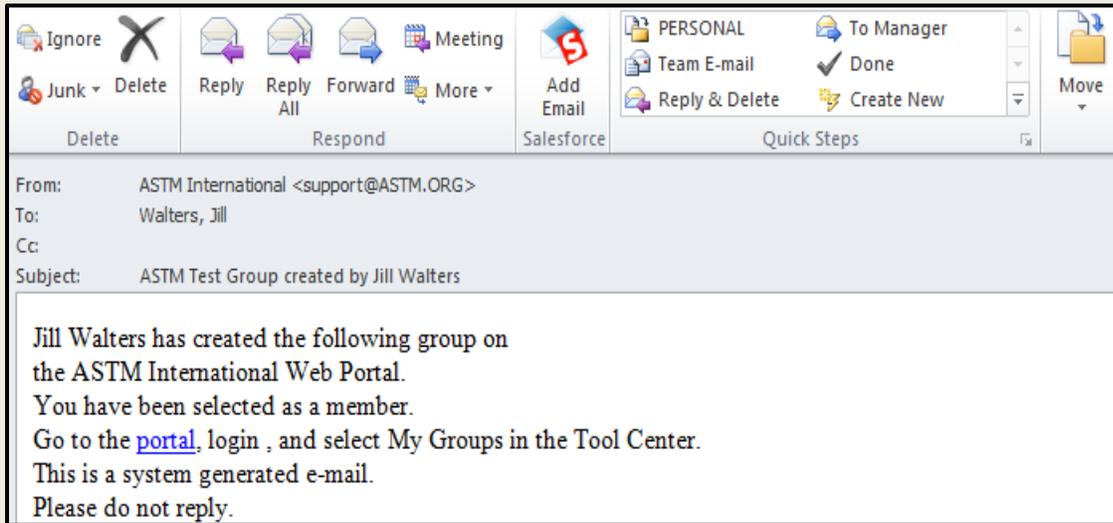
Add a description to your Group here

Select members you want to add to your Group here; they must be registered portal users

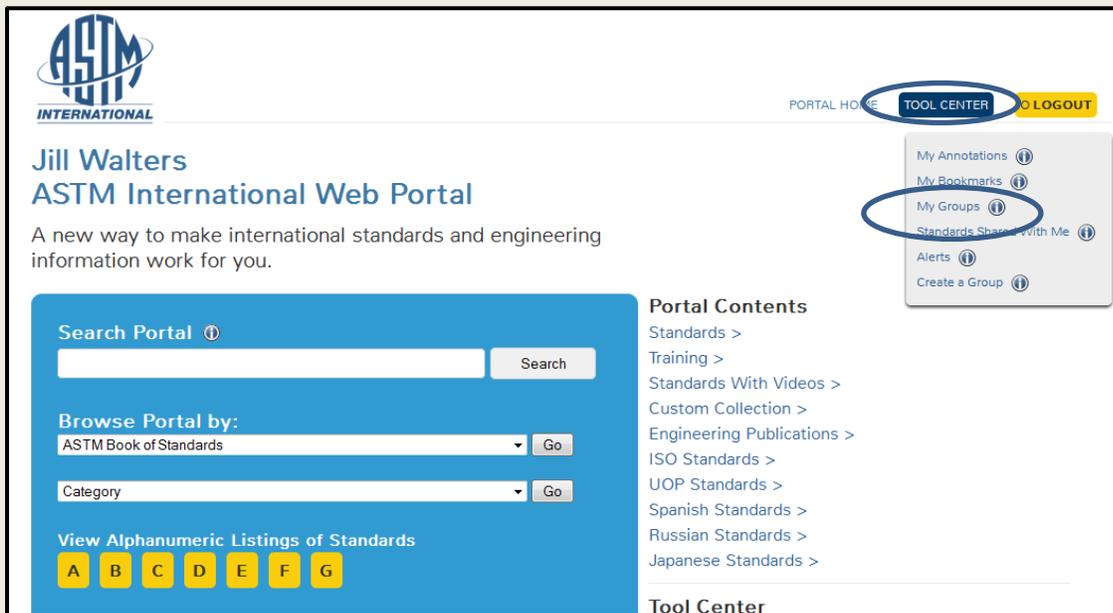
This section is optional; if you want to assign certain standards for the group to follow, add them here

Click on Create Group to save the Group

Members get the following email:



From Tool Center, go to My Groups and find the newly created group in the master group listings:



You can edit, delete or email the Group members from this page:

Group Title: ASTM Test Group
Group Owner: Jill Walters
Group Description: This is a test group only.
Group Standards:
No Standards.

Edit Group Delete Group Email Group Members

Group Title: Phil's test group
Group Owner: Phil Lively
Group Description: Study E1527

Email Group Members

If you have created an Annotation in a standard and you wish to share this standard with your group, go to the top of the HTML version of the standard, click on 'Share With Group', and select the applicable group from the drop down menu:

6. Test Methods Top ▲ ▼ Bottom

6.1 *Tensile Strength and Elongation* :

6.1.1 Obtain the tensile strength, expressed in pounds per square inch, by dividing the maximum load carried by the specimen during the tension test, by the original cross-sectional area of the specimen. Tensile strength and elongation may be determined simultaneously on the same specimen.

6.1.2 Determine the elongation of the wire as the permanent increase in length due to the breaking of the wire in tension, measured between gage marks placed originally 10 in. (250 mm) apart upon the test specimen (see Explanatory [Note 5](#)).

6.1.3 If any part of the fracture takes place outside the gage marks or in the jaws of the testing machine, or if an examination of the specimen indicates a flaw, the value obtained may not be representative of the material. In such cases the test may be discarded and a new test made.

6.2 *Resistivity*—Determine the electrical resistivity of the material in accordance with Test Method [B193](#) (see Explanatory [Note 6](#)). The purchaser may accept certification that the wire was drawn from rod stock meeting the International Standard for Annealed Copper instead of resistivity tests on the finished wire.

6.3 *Dimensional Measurements*—Dimensional measurements shall be made with equipment capable of measuring to a graduation of 0.0001 in. (or 0.001 mm). Take measurements on at least three places on each unit selected for this test. If accessible, take one measurement on each end and one near the middle. The average of the three measurements shall determine compliance with the requirements.

6.4 *Surface Finish*—Make a surface-finish inspection with the unaided eye (normal spectacles accepted).

for this test method use equipment XYZ. - Annotation Made By:Jill Walters Fri Jul 19 11:19:47 EDT 2013

[CorpPortal_2013.pdf](#)

Add/edit annotation save annotation

The screenshot displays the ASTM International website interface. At the top left is the ASTM International logo. Navigation links include 'PORTAL HOME', 'TOOL CENTER', and 'LOGOUT'. A secondary navigation bar contains buttons for 'Printer Friendly', 'Version Comparison', 'Citing Links', 'Download PDF', 'Bookmark', and 'Share With Group', with the latter being circled in blue. The main content area shows 'Designation: B1 - 12' and 'ASTM Customer: Jill Walters (ASTM International)'. Below this is a 'Standard Specification for Hard-Drawn Copper Wire' with options to 'Add/edit annotation' and 'save annotation'. A table of contents lists sections from 1 to 11, plus footnotes. An inset window titled 'Share Standard - Mozilla Firefox' is open, showing a dialog box 'Share Standard B1-12 Annotation With Groups'. This dialog lists several groups with checkboxes: Editor Demo, AM Test Group, Project Alpha, Test Group, Master Demo Group, Test Group For Demo, Inspector X, and ASTM Test Group. The 'Share Standard with Selected Groups' button at the bottom of the dialog is circled in blue.

8. WHAT ARE ALERTS AND HOW DO I SET THEM UP?

Login to create an Alert; if you do not have a login, you can click on Register to create one (See Q1). From Tool Center, click on Alerts. Alerts is an email service that notifies you of new and revised standards and standards development activities. You can customize the alerts you receive - either for newly approved standards, new work items (drafts), or both.

Click on the 'Create/Modify' button to create a new alert or to modify an existing alert that has already been set up. You can choose to track new and revised standards and/or new work items. You can track your subscribed content by technical field, or pick and choose your own custom list of standards. Once you have entered your selection, click on 'Submit'. Click on 'Unsubscribe' to stop receiving Alerts.



PORTAL HOME

TOOL CENTER

LOGOUT

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A new way to make international standards and engineering information work for you.

Update My Alerts

Below are your Standards Tracker preferences. [More](#)

To Create or Modify an alert, Check or uncheck the boxes to reflect your current interests. When satisfied, click the Submit button.

Standards Tracked

New and Revised Standards

New Work Items ([what's this?](#))

Interest Area(s) Tracked

My Portal Standards (ASTM International)

All ASTM Standards

By Technical Field

By ASTM Standard

9. WHO SHOULD I CONTACT IF I HAVE ANY OTHER QUESTIONS, COMMENTS OR SUGGESTIONS?

Feel free to contact Jill Walters, Account Education Manager, at jwalters@astm.org or (610) 832-9648 if you have additional questions, comments or suggestions.