



门户网站快速参考指南

感谢您在 ASTM 在线门户网站的订阅。您的 ASTM 在线门户网站可在整个机构内提供访问、管理及技术信息共享的便捷解决方案选择。通过将完善的行业标准、技术出版物与直观的管理工具相结合，该门户网站基于更专业的知识、速度和效率为您解决关键任务与工作。以下为最常遇到的问题（常见问题）。

1. 如何访问门户网站？

访问门户网站的途径有两种：1) IP 识别，或 2) 自定义应用程序。

选项 1：IP 识别：

使用 IP 识别时，我们的服务器会自动识别登录网站的用户 IP 地址，并允许客户无缝接入。您要向我们提供的 IP 地址或许可地址范围。请使用以下 url 获得订阅：

<http://portal.astm.org>.

选项 2：自定义应用程序：

此外，ASTM 也可提供一个简单 Java 应用程序解决选项，即将信息集中到您公司内网页面（或非公开登录的网站）。访问 HTML 页面的链接包括自定义的应用程序标签，并将客户重新定向到您公司的登录页面。我们会提供 HTML 代码、编译后的 Java 程序、类文件以及储存在您内网的、仅包含唯一标识符的另一文件。Java 编码只从文件中读取 ID 并将用户重新定向到您的登录页面、加密 ID 和日期，这样我们就可以正确识别访问门户网站的公司。您可命名该链接，用户可经点击进行订阅。

不管您选择怎样的访问方式，一旦用户登录门户网站，他们就可以开始搜索、查看、打印和比较标准。要充分利用这种先进的功能，用户则可创建登录账户，之后就能访问用户工具。

您也可以点击门户网站主页面右上角的注册按钮来完成注册。

ASTM International Web Portal
A new way to make international standards and engineering information work for you.

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Browse Portal by:
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Category [Go]

View Alphanumeric Listings of Standards
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Why Register

用户的登录功能包括：

- 为标准附加注释、连接、图片和其他数据，整合公司的重要信息和知识。
- 创建工作组，实现更好的协作，并加强团队合作。
- 书签类标准，可方便快速地访问标准。
- 为新的及修订标准的通知设置提醒，确保最新版本。

2. 我在门户网站中该如何搜索想要的内容？

有 4 种方式可供您在门户网站搜索和查询信息。

The screenshot shows the ASTM International Web Portal homepage. The header includes the ASTM International logo, navigation links for PORTAL HOME, REGISTER, and a USER LOGIN button. Below the header, there is a login form with fields for email and password, a Log In button, and links for New User? Register here and Why Register. The main content area is titled "ASTM International Web Portal" and includes a sub-header "A new way to make international standards and engineering information work for you." Below this, there are four search options highlighted with red boxes: Option 1: "Search Portal" with a search input field and a Search button; Option 2: "Browse Portal by:" with two dropdown menus (one for "ASTM Book of Standards" and one for "Category") and "Go" buttons; Option 3: "View Alphanumeric Listings of Standards" with buttons for categories A, B, C, D, E, F, and G; Option 4: "Portal Contents" with a list of links including Standards, Training, Standards With Videos, Custom Collection, Engineering Publications, ISO Standards, UOP Standards, Spanish Standards, Russian Standards, and Japanese Standards. Below the search options, there are sections for "Tool Center" (Login To See Tools), "Help Center" (Support, Search Tips, Become an ASTM International Member, User Training Videos), and "New User? Register here" and "Why Register" links.

选项 1：“搜索门户网站”

“搜索门户网站”可让您根据标准名称（如：**C117**）或关键词进行搜索。搜索结果会按相关性进行排列，并且可能包括标准和工程技术出版物这两种内容。我们的“搜索门户网站”字段会搜索整个 **ASTM** 标准及工程技术出版物图书馆。如果您希望搜索结果能精确到只显示您所授权的内容，那么请点击“只搜索我的门户网站”，搜索结果将只显示可全文浏览和下载的内容。



Search results for 'astm' showing two results. The first result is 'ASTM F1155-10 Standard Practice for Selection and Application of Piping System Materials'. The second result is 'ASTM E1-13 Standard Specification for ASTM Liquid-in-Glass Thermometers'. A sidebar on the right shows filters for 'Library' (MyPortal Only), 'Result type' (Standards, Engineering Publications), 'Category' (Applications, Materials, Process, Properties and Measurements, Test Methods), 'Topic', and 'Date Range' (In Last Year, In Last 5 Years, In Last 10 Years).

选项 2: “浏览门户网站”:

“浏览门户网站”只会搜索您在门户网站的内容中的标准和工程技术出版物（如有）。您可根据 ASTM 标准年间到的章节和分卷来选择搜索标准及工程技术出版物，或者您也可以选择“浏览门户网站”项，其显示结果为您所订阅内容中主题范围内的标准和工程技术出版物（如有）。

选项 3: “按标准的字母排列表查看”

“按标准的字母排列表查看”可快速链接至您收藏内容中的标准字母排列表。选择相应的字母，您就能看到您在门户网站中所有相应的标准，如 A123、B125、C2345 等。

选项 4: “门户网站内容”

“门户网站内容”列出了您所在机构订阅的所有可用的 ASTM 出版物、产品和服务；这些都是直接链接，点击它们您将进入该特定的产品或服务所在页面。

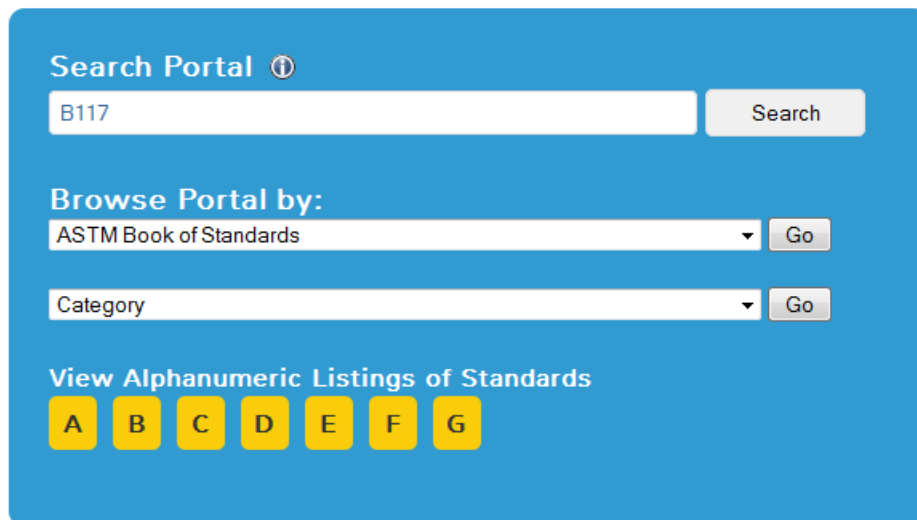
它可报考以下所示链接中的一种或几种:

- 标准

- 培训
- 带视频的标准
- 自定义收藏
- 工程技术出版物
- 第三方内容
- 翻译的标准

3. 在门户网站中，我如何才能找到标准的旧版/历史版本？

标准搜索的默认设置永远是最新版本的标准。但作为您在门户网站的一个好处，就是您可以访问历史版本或更早的版本。如果您使用“搜索门户网站”（问题 2 的选项 1）来寻找旧版标准，请输入名称并点击搜索：



The screenshot shows a blue search interface. At the top, it says "Search Portal" with an information icon. Below that is a search bar containing "B117" and a "Search" button. Underneath is a section titled "Browse Portal by:" with two dropdown menus. The first dropdown is set to "ASTM Book of Standards" and has a "Go" button. The second dropdown is set to "Category" and also has a "Go" button. At the bottom, there is a section titled "View Alphanumeric Listings of Standards" with seven yellow buttons labeled "A", "B", "C", "D", "E", "F", and "G".

在搜索结果页面的搜索类型下，可扩大标准的搜索范围，显示历史版本选项；或在搜索结果的范围中点击相关的：

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

ASTM A1004/A1004M 00(2000) Standard Practice for Establishing

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) +

如果您使用其他三个搜索选项（问题 2 的 2-4 选项），在一项标准的每个活跃版的完整标题下，都列有一个链接“显示所有版本”，点击该链接就能看到所有以往的版本：

ASTM International Web Portal

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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. 如何下载标准的 PDF 文件？

您有两种途径可下载标准的 PDF 文件。在搜索结果页面上点击该标准下的黄色按钮：“下载 PDF 文件”即可：

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...

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Standards

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Library

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Result type

- Active (110) +
- Historical (265) +
- Withdrawn (2) +

Category

- Applications (85) +
- Materials (57) +
- Process (56) +

如果您使用了标准的网页（text/html）视图版，请点击屏幕上方的蓝色按钮“下载 PDF 文件”即可：



PORTAL HOME R

Printer Friendly Version Comparison Citing Links **Download PDF**

Designation: B117 - 11 ASTM Customer: ASTM International (ASTM International) 07-26-2013

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Standard Practice for Operating Salt Spray (Fog) Apparatus¹

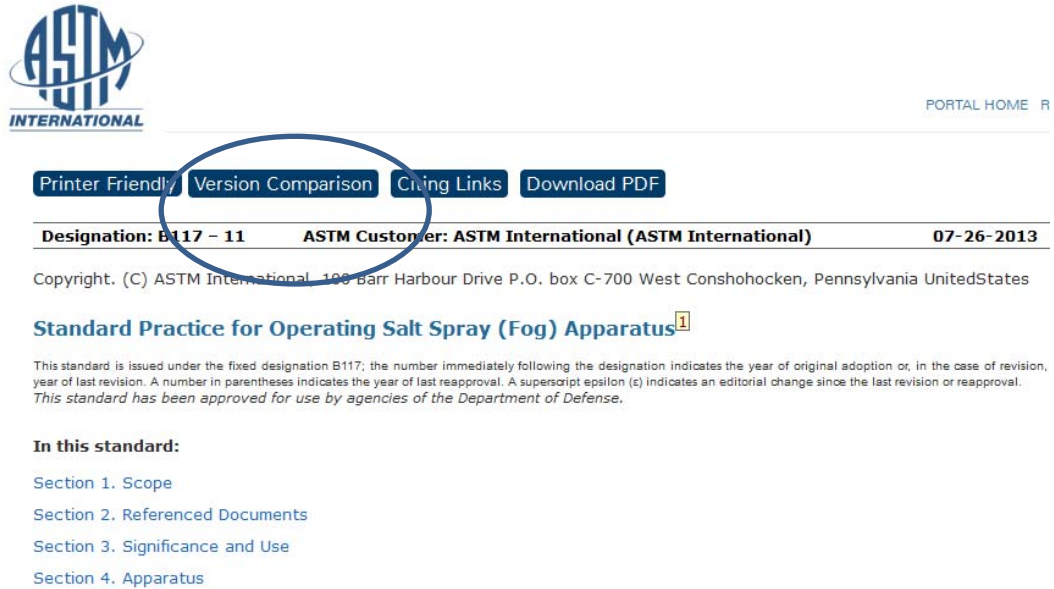
This standard is issued under the fixed designation B117; the number immediately following the designation indicates the year of original adoption or, in the case of revision, year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an 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
- Section 2. Referenced Documents
- Section 3. Significance and Use
- Section 4. Apparatus

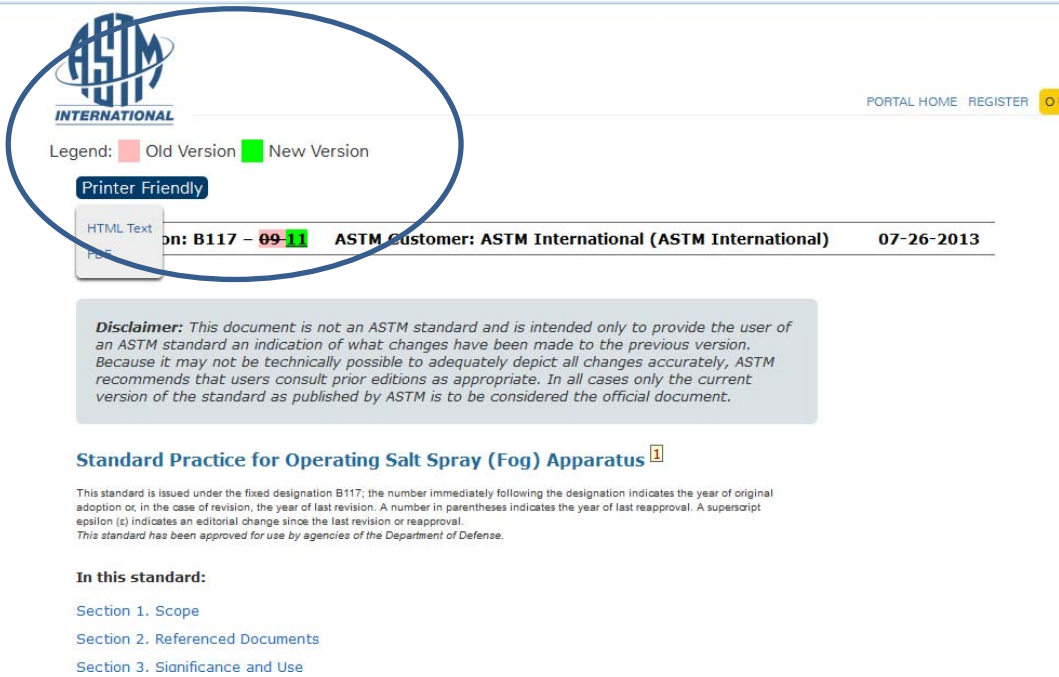
5. 如何比较活跃版/旧版标准的变化？

该功能可在网页视图（text/HTML）版中实现。先选择标准的有效版本，点击屏幕上方的蓝色方框“版本比较”链接即可：



The screenshot shows the ASTM International website interface. At the top left is the ASTM International logo. To the right, there are links for 'PORTAL HOME' and 'R'. Below the logo, there are four buttons: 'Printer Friendly', 'Version Comparison', 'Citing Links', and 'Download PDF'. The 'Version Comparison' button is circled in blue. Below these buttons, there is a table with the following information: 'Designation: B117 - 11', 'ASTM Customer: ASTM International (ASTM International)', and '07-26-2013'. Below the table, there is a copyright notice: 'Copyright. (C) ASTM International, 100 Barr Harbour Drive P.O. box C-700 West Conshohocken, Pennsylvania United States'. Below the copyright notice, there is a section header: 'Standard Practice for Operating Salt Spray (Fog) Apparatus¹'. Below the section header, there is a paragraph of text: '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.' Below the paragraph, there is a section header: 'In this standard:'. Below the section header, there are four links: 'Section 1. Scope', 'Section 2. Referenced Documents', 'Section 3. Significance and Use', and 'Section 4. Apparatus'.

在 HTML 版本中，标准的不同之处会用不同的颜色标注。如需查看 PDF（以红线或删除线显示）中的版本差异，请点击“打印机便捷设置”，并在下拉菜单中选择 PDF 格式即可：



The screenshot shows the ASTM International website interface. At the top left is the ASTM International logo. To the right, there are links for 'PORTAL HOME', 'REGISTER', and 'O'. Below the logo, there is a legend: 'Legend: Old Version (red square), New Version (green square)'. Below the legend, there are two buttons: 'Printer Friendly' and 'HTML Text'. The 'Printer Friendly' button is circled in blue. Below the 'Printer Friendly' button, there is a dropdown menu with two options: 'HTML Text' and 'PDF'. Below the dropdown menu, there is a table with the following information: 'Designation: B117 - 09-11', 'ASTM Customer: ASTM International (ASTM International)', and '07-26-2013'. Below the table, 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.' Below the disclaimer, there is a section header: 'Standard Practice for Operating Salt Spray (Fog) Apparatus¹'. Below the section header, there is a paragraph of text: '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, the 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.' Below the paragraph, there is a section header: 'In this standard:'. Below the section header, there are three links: 'Section 1. Scope', 'Section 2. Referenced Documents', and 'Section 3. Significance and Use'.

6. 如何创建注释？

登录创建注释；如您还未登录，则可点击注册按钮并创建一个账户（参见问题 1）。该功能可在网页视图（text/HTML）版本中实现。您可在标题和标准的每个章节创建注释：

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 Tables](#)³

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

一旦您创建并保存了注释，就可在标准的内容表格中看到（参见以上截图）；您也可以进入工具中心，从下拉菜单中选择“我的注释”，查看所有已创建的注释主列表：



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Designation: B1 – 12 **ASTM Customer: Jill Walters (ASTM International)** **07-26-2012**

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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

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

7. 如何创建群组，并与群组共享注释？

登录并创建群组；如您还未登录，则可点击注册按钮并创建一个账户（参见问题 1）。在工具中心，您可点击“创建群组”：



PORTAL HOME **TOOL CENTER** **LOGOUT**

Jill Walters ASTM International Web Portal

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Browse Portal by:

ASTM Book of Standards

Category

View Alphanumeric Listings of Standards

A **B** **C** **D** **E** **F** **G**

Portal Contents

- Standards >
- Training >
- Standards With Videos >
- Custom Collection >
- Engineering Publications >
- ISO Standards >
- UOP Standards >
- Spanish Standards >
- Russian Standards >
- Japanese Standards >

Tool Center

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

完成页面中的以下信息:

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

<p>Portal Members</p> <ul style="list-style-type: none">Aubry, ShannonCendrowska, TeresaClauson, DougDemco, LauraDoelp, FrankDreyfuss, BobEnright, CicelyFalco, CarlaGallagher, JohnJohnson, Howard <p>(Highlight a name)</p>	<p>Group Members</p> <p>Walters, Jill</p>
---	--

Add Standards To Group (Optional)

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

<p>Portal Standards</p> <div style="border: 1px solid #ccc; height: 40px; width: 100%;"></div> <p>(Highlight a standard)</p>	<p>Group Standards</p> <div style="border: 1px solid #ccc; height: 40px; width: 100%;"></div>
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Add a Group Name here

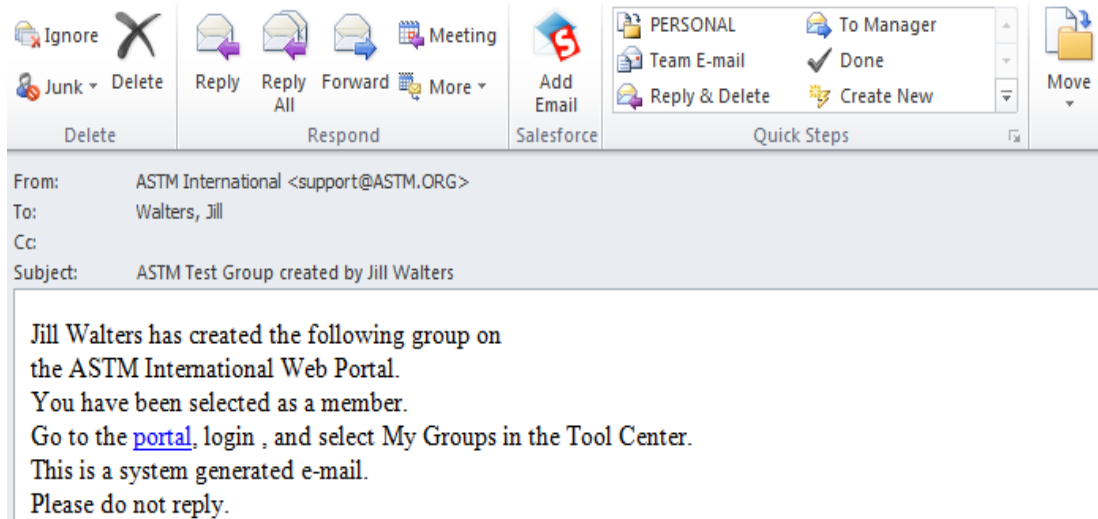
Add a description to your Group here

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

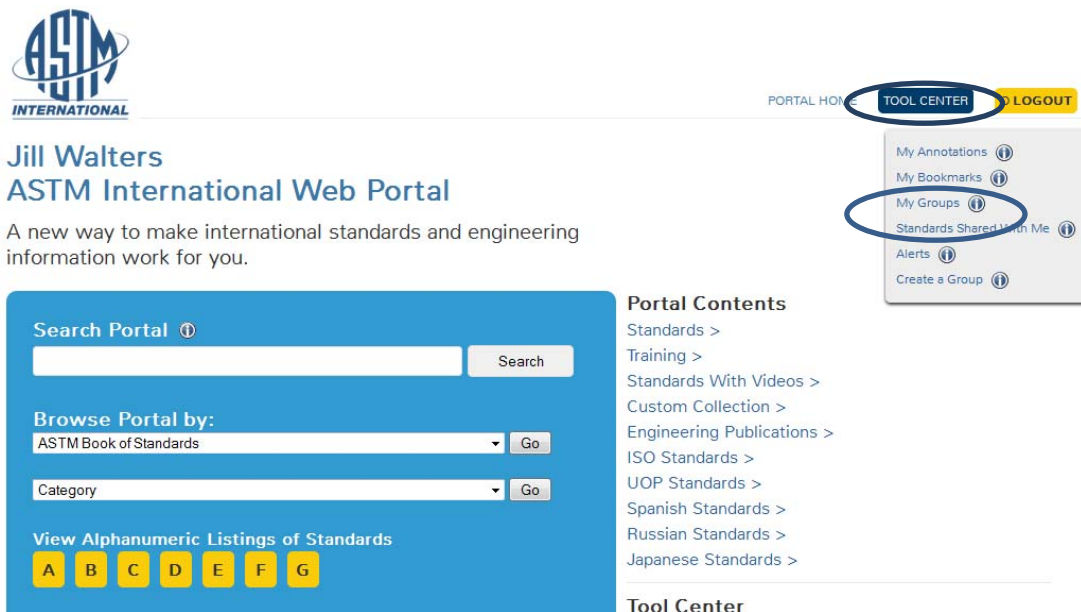
This section is optional; if you want to assign certain standards for the group to follow, add them here

Click on Create Group to save the Group

会员将收到以下所示电子邮件：



从工具中心跳转到“我的群组”，并在主列表中找到新创建的群组：



您可编辑、删除或以电子邮件发送该页面上的群组成员信息：

Group Title: ASTM Test Group Group Owner: Jill Walters Group Description: This is a test group only. Group Standards: No Standards.	<input type="button" value="Edit Group"/> <input type="button" value="Delete Group"/> <input type="button" value="Email Group Members"/>
Group Title: Phil's test group Group Owner: Phil Lively Group Description: Study E1527	<input type="button" value="Email Group Members"/>

如果您已在一项标准上创建了一个注释，并希望与您的群组共享该标准，那么请转到该标准的 HTML 版本顶端，点击“与群组共享”，并从下拉菜单中选择可用群组：

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 - Annotation Made By:Jill Walters Fri Jul 26 14:08:35 EDT 2013

[CorpPortal 2013.pdf](#)

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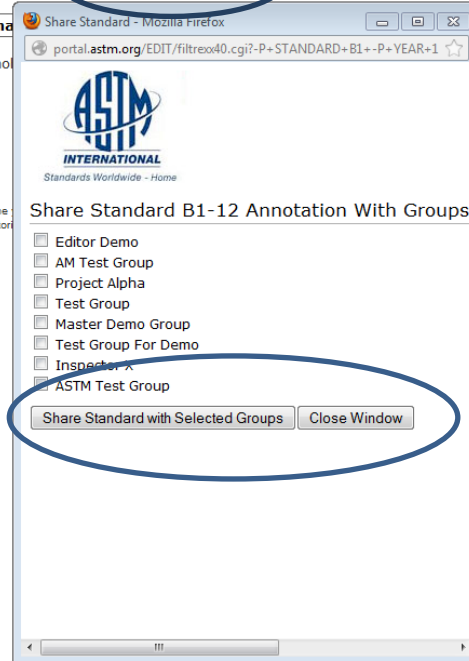
Standard Specification for Hard-Drawn Copper Wire¹

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In this standard:

- [Section 1. Scope](#)
- [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](#)
- [Section 9. Conformance Criteria \(see Explanatory Note 7\)](#)
- [Section 10. Density](#)
- [Section 11. Keywords](#)
- [Footnotes](#)



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