



Designation: ~~A184/A184M-06~~ Designation: A184/A184M – 06^{ε1}

Standard Specification for Welded Deformed Steel Bar Mats for Concrete Reinforcement¹

This standard is issued under the fixed designation A184/A184M; 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.

^{ε1} NOTE—Editorial corrections were made to Note 2 in May 2011.

1. Scope*

1.1 This specification covers material in mat (or sheet) form fabricated from deformed steel bars to be used for the reinforcement of concrete. Mats consist of two layers of bars that are assembled at right angles to each other. Mats are assembled by welding at the intersections.

1.2 This specification is applicable for orders in either inch-pound units (as Specification A184) or SI units (as Specification A184M).

1.3 The values stated in either inch-pound units or SI units are to be regarded as standard. Within the text, the SI units are shown in brackets. The values stated in each system are not exact equivalents; therefore, each system must be used independently of the other. Combining values from the two systems may result in nonconformance with this specification.

2. Referenced Documents

2.1 ASTM Standards:²

A615/A615M [Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement](#)

A700 [Practices for Packaging, Marking, and Loading Methods for Steel Products for Shipment](#)

A706/A706M [Specification for Low-Alloy Steel Deformed and Plain Bars for Concrete Reinforcement](#)

2.2 U.S. Military Standard:

MIL-STD-129 [Marking for Shipment and Storage](#)³

2.3 U.S. Federal Standard:

Fed Std No. 123 [Marketing for Shipments \(Civil Agencies\)](#)³

3. Ordering Information

3.1 It shall be the responsibility of the purchaser to specify all requirements that are necessary for material ordered to this specification. Such requirements shall include, but are not limited to, the following:

3.1.1 Quantity,

3.1.2 Size and spacing of members in each direction,

3.1.3 Grade required (Grade 40 or 60) [280 or 420],

3.1.4 Type of steel as appropriate (see Section 4),

3.1.5 ASTM designation A184/A184M and year of issue.

NOTE 1—A typical ordering description is as follows: 1000 bar mats to ASTM A184– ; fabricated from Grade 40 bars to ASTM A615– ; 6 by 6 in.; No. 4 by 120 in. longitudinal tip to tip, outer bars spaced 54 in.; No. 3 by 60 in. transverse, outer bars spaced 114 in.

[1000 bar mats to ASTM A184M– ; fabricated from Grade 280 bars to ASTM A615M– ; 150 by 150 mm; No. 10 by 3000 mm longitudinal tip to tip, outer bars spaced 1350 mm; No. 10 by 1500 mm transverse, outer bars spaced 2850 mm.]

¹ This specification is under the jurisdiction of ASTM Committee A01 on Steel, Stainless Steel and Related Alloys and is the direct responsibility of Subcommittee A01.05 on Steel Reinforcement.

Current edition approved March 1, 2006. Published March 2006. Originally approved in 1936. Last previous edition approved in 2005 as A184/A184M – 05. DOI: 10.1520/A0184_A0184M-06E01.

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS. Or visit: <http://assist.daps.dla.mil/online>.

*A Summary of Changes section appears at the end of this standard.