
Standard Specification for Welded Deformed Steel Bar Mats for Concrete Reinforcement

AASHTO Designation: M 54M/M 54-22

Technically Revised: 2022

Technical Subcommittee: 4f, Metals

ASTM Designation: A184/A184M-19



**American Association of State Highway and Transportation Officials
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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 are made from two layers of bars that are assembled at right angles to each other.
- 1.2. This specification is applicable to orders in either SI units (M 54M) or inch-pound units (M 54).
- 1.3. The values stated in either inch-pound units or SI units are to be regarded as standard. Within the text, the inch-pound 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. *AASHTO Standard:*
- M 31M/M 31, Deformed and Plain Carbon and Low-Alloy Steel Bars for Concrete Reinforcement
- 2.2. *ASTM Standard:*
- A706/A706M, Standard Specification for Deformed and Plain Low-Alloy Steel Bars for Concrete Reinforcement
- 2.3. *AWS Standard:*
- AWS D1.4/D1.4M Structural Welding Code—Reinforcing Bars
- 2.4. *Military Standard:*
- MIL-STD-129, Marking for Shipment and Storage
- 2.5. *Federal Standard:*
- Fed. Std. No. 123, Marking for Shipments (Civil Agencies)