



Standard Specification for Drawers, Furniture, Marine, Steel¹

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1. Scope

1.1 This specification covers the construction of steel furniture drawers for use where invoked by other marine furniture specifications.

1.2 This specification applies to all furniture drawers, except items requiring progressive drawers.

1.3 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.

1.4 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*²

A240/A240M Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications

A1008/A1008M Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Required Hardness, Solution Hardened, and Bake Hardenable

A653/A653M Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process

D907 Terminology of Adhesives

¹ This specification is under the jurisdiction of ASTM Committee F25 on Ships and Marine Technology and is the direct responsibility of Subcommittee F25.03 on Outfitting and Deck Machinery.

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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.

2.2 *AISC Manual:*³

AISC Wire and Sheet Metal Gauges Equivalent Thickness in Decimals of an Inch, for Uncoated Hot and Cold Rolled Sheets

3. Terminology

3.1 *Definitions of Terms Specific to This Standard:*

3.1.1 *drawers*—storage units in furniture items that have tracks on the sides to allow the drawer to slide open or closed.

3.1.2 *tracks*—the supporting assembly, attached to the sides of a drawer, that allows a drawer to slide open or closed.

3.1.3 *drawer tracks*—that portion of the track assembly that is attached to drawer sides.

3.1.4 *case track*—that portion of the track assembly that is attached to side of supporting furniture (case) item.

4. Ordering Information

4.1 Drawers are included as part of the orders for items of furniture requiring drawers. These orders shall include the following:

4.1.1 *Paint:*

4.1.1.1 *Color*—Drawers shall be painted to match the furniture item in which they are installed.

4.1.1.2 Manufacturer's standard baked enamel will be furnished unless otherwise required and indicated by the purchaser.

4.1.2 Locks, if required, shall be installed where noted in the ordering documents.

5. Materials and Manufacture

5.1 For typical design, see Fig. 1.

5.2 *Joining:*

5.2.1 *Metal Components of Drawers*, shall be joined by welding or gluing with a structural adhesive as defined in Terminology D907.

5.2.2 Joining shall be adequate to prevent racking during handling.

³ Available from American Institute of Steel Construction (AISC), 130 E. Randolph St., Suite 2000, Chicago, IL 60601-6219, <http://www.aisc.org>.