



Standard Specification for Valve Label Plates¹

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1. Scope

1.1 This specification covers the materials, dimensions, inscription, and methods of inscribing for shipboard valve label plates.

1.2 Fasteners shall be ordered separately and are not included in this specification.

1.3 The values stated in inch-pound units are to be regarded as the standard.

2. Referenced Documents

2.1 ASTM Standards:

A 167 Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip²

B 36 Specification for Brass Plate, Sheet, Strip, and Rolled Bar³

B 209 Specification for Aluminum and Aluminum-Alloy Sheet and Plate⁴

B 580 Specification for Anodic Oxide Coatings on Aluminum⁵

D 709 Specification for Laminated Thermosetting Materials⁶

2.2 Other Documents:

American Bureau of Shipping Rules for Building and Classing Steel Vessels⁷

ANSI Y1.1 Abbreviations⁸

3. Classification

3.1 Label plates shall be classified by type, grade, class, size, and letter size in accordance with material and method of inscribing, method of attachment, thickness of sheet, strip, or plate, dimensions, and letter size to be used.

3.2 Types and Materials:

3.2.1 *Type I*—Anodized aluminum, engraved.

3.2.2 *Type II*—Anodized aluminum, metal photo.

3.2.3 *Type III*—Stainless steel, engraved.

3.2.4 *Type IV*—Brass, engraved.

3.2.5 *Type V*—Plastic, engraved.

3.3 Grades and Methods of Attachment:

3.3.1 *Grade A*—Adhesive on metal bracket (backing plate) (Sizes A through J).

3.3.2 *Grade B*—Metal strapping or screw (Sizes A through J).

3.3.3 *Grade C*—Welding (Sizes A through J) See also the American Bureau of Shipping Standards.

3.3.4 *Grade D*—Secured by handwheel nut (Sizes K through R).

3.3.5 *Grade E*—Connection to valve stem, bonnet, or flange (Size S).

3.4 Class and Thickness:

3.4.1 *Class 1*— $\frac{1}{8}$ in.

3.4.2 *Class 2*—16 gage.

3.4.3 *Class 3*—20 gage.

3.4.4 *Class 4*—24 gage.

3.5 Size and Dimensions:

(length by width) or (outside diameter (OD) by inside diameter (ID).)

3.5.1 *Size A*—Rectangular 2 by $\frac{7}{8}$ in.

3.5.2 *Size B*—Rectangular 2 by $1\frac{1}{2}$ in.

3.5.3 *Size C*—Rectangular 3 by $\frac{7}{8}$ in.

3.5.4 *Size D*—Rectangular 3 by $1\frac{1}{2}$ in.

3.5.5 *Size E*—Rectangular 3 by $2\frac{1}{4}$ in.

3.5.6 *Size F*—Rectangular 4 by $\frac{7}{8}$ in.

3.5.7 *Size G*—Rectangular 4 by $1\frac{1}{2}$ in.

3.5.8 *Size H*—Rectangular 4 by $2\frac{1}{4}$ in.

3.5.9 *Size J*—Rectangular 4 by $3\frac{1}{4}$ in.

3.5.10 *Size K*—Circular $1\frac{3}{16}$ by $\frac{5}{16}$ in.

3.5.11 *Size L*—Circular $1\frac{1}{2}$ by $\frac{5}{16}$ in.

3.5.12 *Size M*—Circular $1\frac{3}{4}$ by $\frac{3}{8}$ in.

3.5.13 *Size N*—Circular 2 by $\frac{3}{8}$ in.

3.5.14 *Size P*—Circular $2\frac{3}{4}$ by $\frac{7}{16}$ in.

3.5.15 *Size R*—Circular 3 by $\frac{9}{16}$ in.

3.5.16 *Size S*—Rectangular, 5 by $1\frac{1}{2}$ in. with $\frac{5}{8}$ -in. diameter hole (see Fig. 3). (To be used with Type 3, Grade E only).

3.6 Letter Size:

¹ This specification is under the jurisdiction of ASTM Committee F25 on Ships and Marine Technology and is the direct responsibility of Subcommittee F25.11 on Machinery and Piping Systems.

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² *Annual Book of ASTM Standards*, Vol 01.03.

³ *Annual Book of ASTM Standards*, Vol 02.01.

⁴ *Annual Book of ASTM Standards*, Vol 02.02.

⁵ *Annual Book of ASTM Standards*, Vol 02.05.

⁶ *Annual Book of ASTM Standards*, Vol 10.01.

⁷ Available from American Bureau of Shipping, 2 World Trade Center, 106th Floor, New York, NY 10048.

⁸ Available from American National Standards Institute, 25W. 43rd St., 4th Floor, New York, NY 10036.