



## Standard Specification for Cleats, Welded Horn Type<sup>1</sup>

This standard is issued under the fixed designation F 1074; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

### 1. Scope

1.1 This specification covers hollow cleats and pads for marine use.

1.2 The cleats shall be used where securing of boat handling lines are required onboard commercial and navy boats and crafts.

1.3 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are for information only.

### 2. Referenced Documents

#### 2.1 ASTM Standards:

A 36/A 36M Specification for Carbon Structural Steel<sup>2</sup>

A 370 Test Methods and Definitions for Mechanical Testing of Steel Products<sup>3</sup>

A 385 Practice for Providing High-Quality Zinc Coatings (Hot-Dip)<sup>4</sup>

### 3. Ordering Information

3.1 Orders for material under this specification shall include the following:

3.1.1 Title, number, and date of this specification,

3.1.2 Quantity,

3.1.3 Size of cleats, and

3.1.4 Packaging, packing, or marking requirements.

<sup>1</sup> 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.

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<sup>2</sup> Annual Book of ASTM Standards, Vol 01.04.

<sup>3</sup> Annual Book of ASTM Standards, Vol 01.03.

<sup>4</sup> Annual Book of ASTM Standards, Vol 01.06.

### 4. Materials and Manufacture

#### 4.1 Material:

4.1.1 The horn cleats shall be of galvanized steel, grade 1023W, in accordance with Practice A 385.

4.1.2 The base plate shall be of steel, (carbon 0.35 maximum), in accordance with Specification A 36/A 36M.

4.1.3 All chafing surfaces shall have a 125 $\mu$  finish.

4.2 *Manufacture*—The cleats' horns shall be of cast steel, round in shape, and free of burrs or sharp edges. The horns shall be welded to a base plate as shown in Fig. 1 (see Table 1). The weld is to be ground smooth to prevent chafing of ropes. The base plate shall be oval shaped with smooth rounded edges. The dimensions shall be in accordance with Table 1.

### 5. Packaging

5.1 The packing shall afford protection against deterioration and physical damage during shipment from the manufacturer to the using activity for immediate use.

### 6. Product Marking

6.1 Containers shall be stenciled with the ASTM standard designation, in black paint with approximately 1 in. (25.4 mm) high letters and numbers with the following information:

6.1.1 Address,

6.1.2 purchase order number, and

6.1.3 Manufacturer's name.

### 7. Keywords

7.1 base plates; boat handling lines; cleats; hollow cleats; horn cleats; marine; marine cleats; ship; welded cleats