

INCH-POUND

A-A-55591A  
 21 MAY 2002  
 SUPERSEDING  
 A-A-55591  
 31 Oct 1994

## COMMERCIAL ITEM DESCRIPTION

HINGE, BUTT, CONTINUOUS (PIANO)  
 .050 THICKNESS, .125 PIN DIA

The General Services Administration has authorized the use of this  
 Commercial Item Description for all Federal Agencies.

1. SCOPE. This Commercial Item Description (CID) covers commercial and industrial quality, continuous butt piano hinges suitable for use on cases, chests, and any other adaptable surface.

2. SALIENT CHARACTERISTICS.

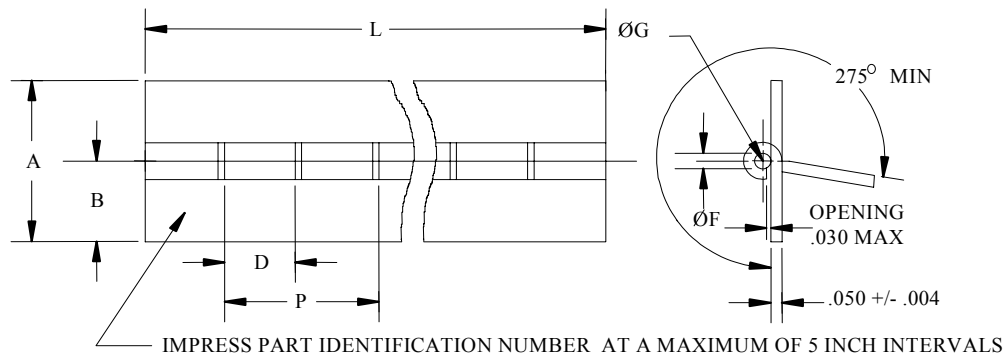


TABLE I. DASH NUMBERS AND DIMENSIONS

| DASH NO. | WIDTH    |               | STOCK LENGTH<br>L<br>-/+ .03 | KNUCKLE LENGTH<br>D <sup>1/</sup> | PITCH<br>p <sup>2/</sup> | KNUCKLE<br>ØF       | PIN<br>ØG     |
|----------|----------|---------------|------------------------------|-----------------------------------|--------------------------|---------------------|---------------|
|          | A<br>REF | B<br>+/- .031 |                              |                                   |                          |                     |               |
| 5        | 1.062    | .531          | 72.50                        |                                   |                          |                     |               |
| 6        | 1.500    | .750          | SEE SAL.<br>CHAR. 6          | .623 +.000<br>-.010               | 1.250 +.015<br>-.003     | .130 +.007<br>-.001 | .125 +/- .002 |
| 7        | 2.000    | 1.000         |                              |                                   |                          |                     |               |
| 8        | 2.500    | 1.250         |                              |                                   |                          |                     |               |

<sup>1/</sup> SEE SAL. CHAR. 2.3

<sup>2/</sup> SEE SAL. CHAR. 2.4

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and data which may improve this document should be sent to: Defense Supply Center Philadelphia, ATTN: DSCP-ITD, 700 Robbins Avenue, Philadelphia, PA 19111-5096.

ASMC N/A

FSC 5340

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

## A-A-55591A

## 2.1 Material.

- A. Aluminum-leaf-temper, H24 or H34 half-hard, (UNS A95052) in accordance with AMS-QQ-A-250/8. Aluminum-pin-temper, half-hard, (UNS A95052) in accordance with AMS-QQ-A-225/7.
- B. Brass-leaf-alloy 268 (UNS C26800) temper HO2, in accordance with ASTM B36. Copper-pin-alloy 260 (UNS C26000) temper HO2, in accordance with ASTM B134.
- C. Corrosion resistant steel-leaf, condition A, temper annealed, composition 301 (UNS S30100), 302 (UNS S30200) per ASTM A666, or 304 (UNS S30400) per ASTM A240. Corrosion resistant steel-pin-form 1, condition B, composition 302 (UNS S30200), 304 (UNS S30400), 305 (UNS S30500) and 316 (UNS S31600) in accordance with ASTM A313.
- D. Carbon-steel-leaf-cold-rolled, temper no. 4 in accordance with QQ-S-698. Carbon-steel-pin-composition 1010 (UNS G10100), 1020 (UNS G10200), in accordance with ASTM A853.
- E. Carbon steel leaf-cold-rolled temper no. 4 in accordance with QQ-S-698. Copper-pin-alloy 260 (UNS C26000), temper HO2 in accordance with ASTM B134.

## 2.2 Finish.

Material A, B AND D shall be plain (uncoated). When specified, material A shall be chemical conversion coated in accordance with MIL-C-5541, class 1A, and material D shall be zinc plated in accordance with ASTM B633, TYPE II, FE/ZN 13. Material C shall be passivated in accordance with AMS-QQ-P-35. Material E shall be cadmium plated in accordance with QQ-P-416, Type II, Class 1.

2.3 Knuckles. End knuckles shall be a minimum of 1/2 of knuckle.

2.4 Pitch. Cumulative tolerance on pitch is  $\pm 0.015$  inches in any 36 inch segment.

3. PRODUCT CONFORMANCE. The product offered shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, standards and quality assurance practices, and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

4. NOTES.

4.1 Packaging. Packaging, shall be in accordance with ASTM D3951.

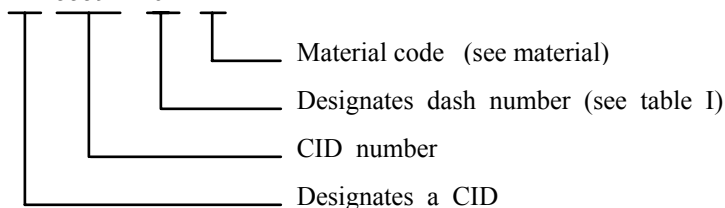
4.2 All dimensions are in inches unless otherwise specified.

4.3 Hinges shall be stocked and issued in lengths of 72.50 inches as specified. Application may be of any length within the above length.

4.4 Workmanship. The hinges furnished shall be free from imperfections which may impair durability or serviceability.

4.5 CID based part identification number (PIN). The pin consists of AA55591 and a dash number taken from table I. When protective finish is required for material A or D, add F to the PIN.

Example: AA 55591 - 6 - B



## A-A-55591A

4.6 Cross-reference data. Butt hinges conforming to this CID are interchangeable/substitutable with butt hinges conforming to MS35823E dated 6 Jan 1989.

TABLE II. CROSS - REFERENCE TABLE.

| Cancelled MS PIN      | Replacement CID PIN   |
|-----------------------|-----------------------|
| MS35823 - * <u>3/</u> | AA55591 - * <u>3/</u> |

3/ \* represents the same designation codes for both MS and CID PINs.

4.7 Regulatory requirements. The offeror/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practical.

4.8 Changes from the previous issue. Asterisks (or vertical lines) are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

Custodian:  
 Army-AT  
 Navy-AS  
 Air Force-99

Preparing activity:  
 DLA-IS  
 Project No. 5340-2702

Review activities:  
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 Navy-MC  
 Air Force-71