

INCH-POUND

MS28746E
14 May 2007
SUPERSEDING
MS28746D
22 September 2000

DETAIL SPECIFICATION SHEET

FITTING END - HOSE, SWIVEL, DETACHABLE, 45° FLANGE, 4 BOLT

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-5070.

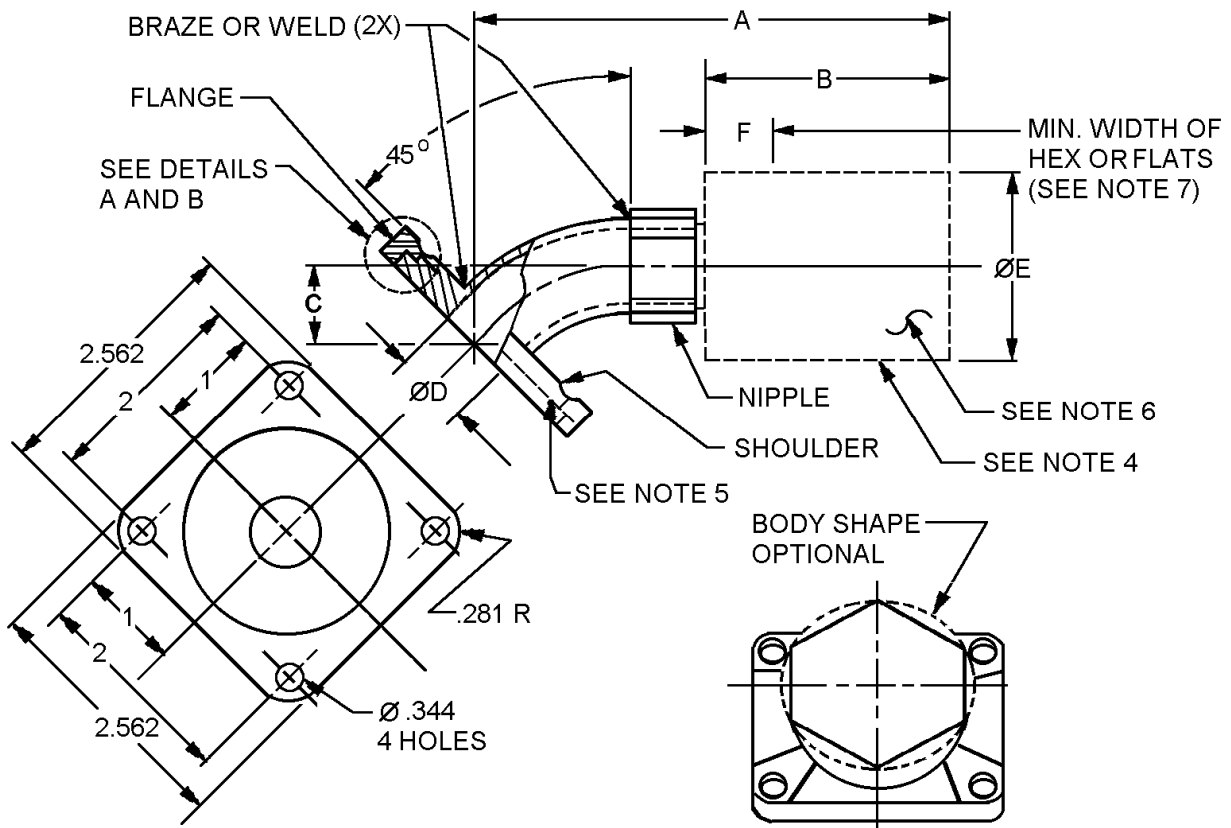
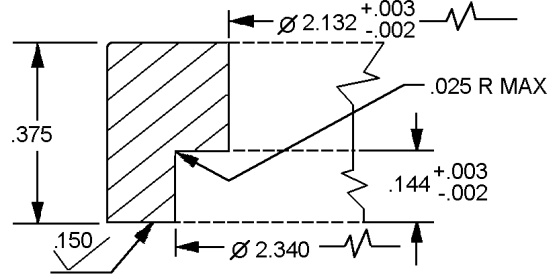
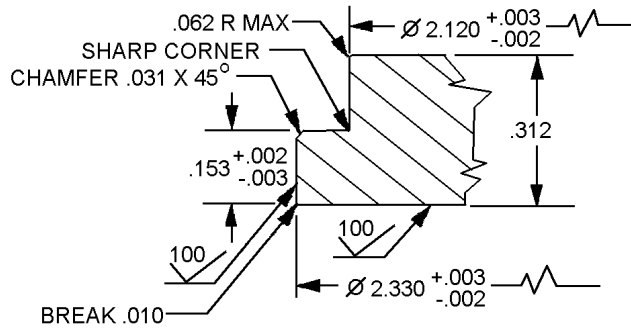


FIGURE 1. Flange dimensions and configuration.

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FLANGE
DETAIL A



SHOULDER
DETAIL B

Dash number	Tubing OD inch (mm)	A max inch (mm)	B max inch (mm)	C inch (mm)	D dia inch (mm)	E max dia inch (mm)	F (see note 7) inch (mm)	Weight (approx.) pounds (kg)
-24	1.500 (38.10)	4.047 (102.79)	1.844 (46.84)	.812 (20.62)	1.281 (32.54)	2.188 (55.58)	.625 (15.88)	1.013 (0.46)
-32	2.000 (50.80)	4.859 (123.42)	2.250 (57.15)	.953 (24.21)	1.750 (44.45)	2.625 (66.68)	.875 (22.23)	1.264 (0.57)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are as follows: angles $\pm 5^\circ$; decimals $\pm .005$ inch (0.13 mm).
4. If width diametrically across flats or hex is less than the body diameter, the flats or hex shall extend the full length of the body.
5. Diameters after plating must be concentric with each other within .005 inch (0.13 mm) total indicator reading.
6. The manufacturer's Part or Identifying Number (PIN) and CAGE Code shall be permanently marked on the body.
7. Hex or flats shall fit standard wrench openings.
8. Break all sharp edges and remove all hanging burrs and slivers that might become dislodged under usage.

FIGURE 1. Flange dimensions and configuration - Continued.

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REQUIREMENTS:

Dimensions and configurations: The design, construction, and physical dimensions shall be in accordance with MIL-DTL-5070 and figure 1 in case of conflict between this drawing and MIL-DTL-5070, this drawing shall govern.

Materials: Shall be in accordance with MIL-DTL-5070.

Finish: Shall be in accordance with MIL-DTL-5070.

PIN example:

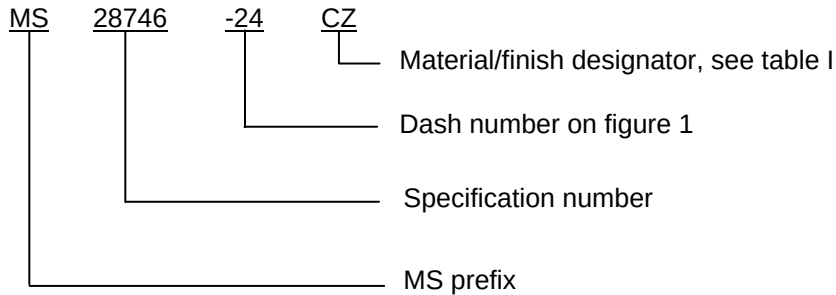


TABLE I. Code for material and finish. 1/

Code	Material/finish
CC	Carbon Steel - cadmium plating
CZ	Carbon steel - zinc plating
SS	Corrosion resistant steel - N/A
TA	Titanium - anodized or fluoride phosphated.

1/ Finishes "CC", "CZ" and "SS" are applicable only to flange, nipple, and shoulder made of steel alloy. No mixing of steel material/finish types shall be allowed.

To the users of this document, it is recommended that the use of carbon steel material with cadmium plating be used only when the other materials and finishes specified in this document cannot meet performance requirements.

Identification of product. The PIN and the manufacturer's Commercial and Government Entity (CAGE) Code or trademark shall be permanently marked on the flange or on a removable tag securely attached to the flange.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to the extent of the changes.

Referenced documents. This document references MIL-DTL-5070.

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CONCLUDING MATERIAL

Custodians:

Army - AT
Navy - AS
Air Force - 99
DLA - CC

Preparing activity:

DLA - CC

(Project 4730-2005-058)

Review activities:

Army - AV
Air Force - 11, 71

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.