INCH-POUND
MS27227B
14 May 2007
SUPERSEDING
MS27227A
22 September 2000

DETAIL SPECIFICATION SHEET

FLANGE NIPPLE ASSEMBLY 90°, ADAPTER, HOSE TO TUBE, REUSABLE, HYDRAULIC, FUEL AND OIL LINES

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.

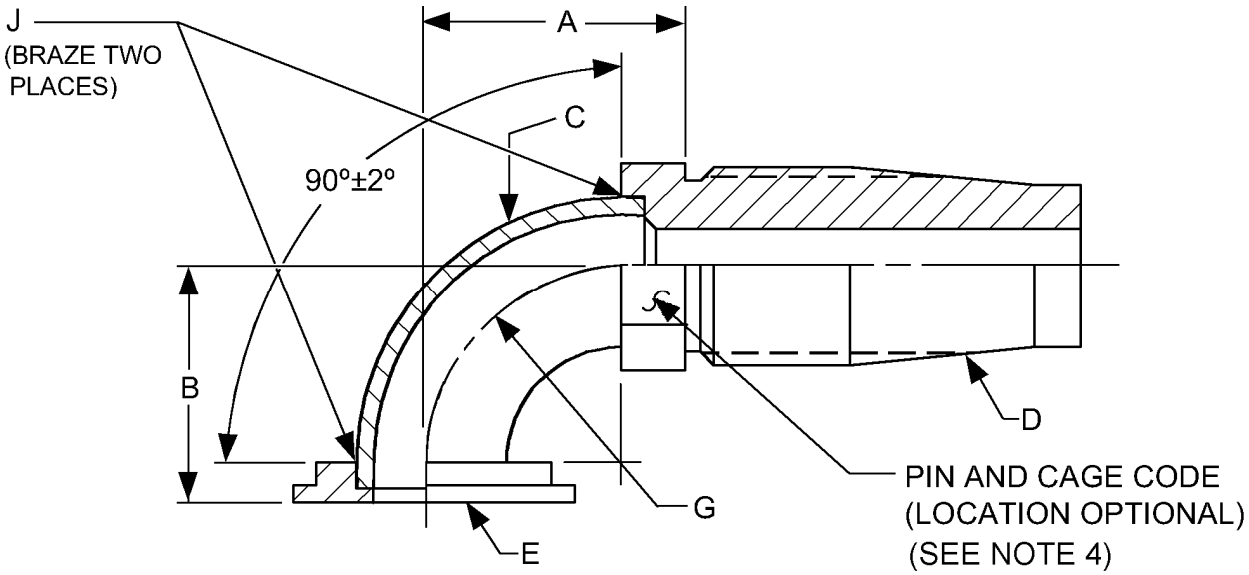

FIGURE 1. 90° Flange nipple assembly dimensions and configuration.

Dash number (see note 3)	A ±.035 (0.89) inches (mm)	B ±.035 (0.89) inches (mm)	C Elbow PIN MS27234	D Nipple PIN MS27239	E Shoulder PIN MS27237	G Rad (ref) inches (mm)
-8	.876 (22.25)	.772 (19.61)	-8	-8	-8	.50 (12.70)
-10	1.000 (25.40)	.896 (22.76)	-10	-10	-10	.62 (15.75)
-12	1.220 (30.99)	1.156 (29.36)	-12	-12	-12	.84 (21.34)
-16	1.344 (34.14)	1.282 (32.56)	-16	-16	-16	.97 (24.64)
-20	1.688 (42.88)	1.500 (38.10)	-20	-20	-20	1.19 (30.23)
-24	1.938 (49.23)	1.688 (42.88)	-24	-24	-24	1.38 (35.05)
-32	2.376 (60.35)	2.062 (52.37)	-32	-32	-32	1.75 (44.45)
-40	2.812 (71.42)	2.374 (60.30)	-40	-40	-40	2.06 (52.32)
-48	3.188 (80.98)	2.624 (66.65)	-48	-48	-48	2.31 (58.67)

NOTES:
1. Dimensions are in inches
2. Metric equivalents are given for information only.
3. All components of this assembly shall be aluminum alloys only.
4. Part or Identifying Number (PIN).

FIGURE 1. 90° Flange nipple assembly dimensions and configuration - Continued.

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.

Intended use. This part is a component of MS27228.

Material: Aluminum shall be in accordance with MIL-DTL-5070.

Braze: Braze at points J (see figure 1) in accordance with SAE-AMS2672.

Heat treatment: Heat treat in accordance with SAE-AMS-H-6088, condition T6, after braze.

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

Color identification: Color identification shall be in accordance with MIL-DTL-5070.

PIN example:

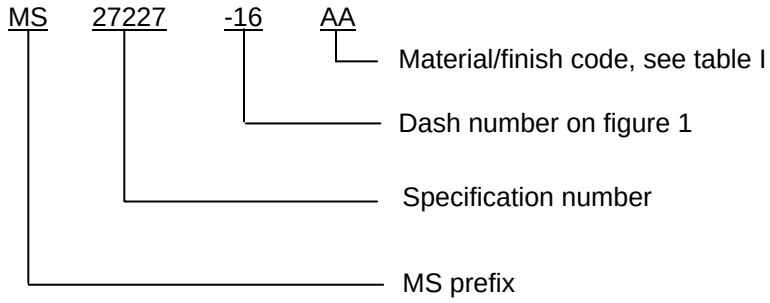

TABLE I. Code for material and finish.

Code	Dash size	Material/finish
AA	-8 through -48	Aluminum – anodic coating

Identification of product. The PIN and the manufacturer's Commercial and Government Entity (CAGE) Code or trademark shall be permanently marked on the assembly, see figure 1, or on a removable tag securely attached to the assembly.

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: In addition to MIL-DTL-5070, this document references the following:

MS27228 MS27239
MS27234 SAE-AMS-H-6088
MS27237 SAE-AMS2672

CONCLUDING MATERIAL

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

Preparing activity:
DLA - CC

(Project 4730-2005-046)

Review activities:
Army - AV
Navy - MC, SA
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.