

INCH-POUND

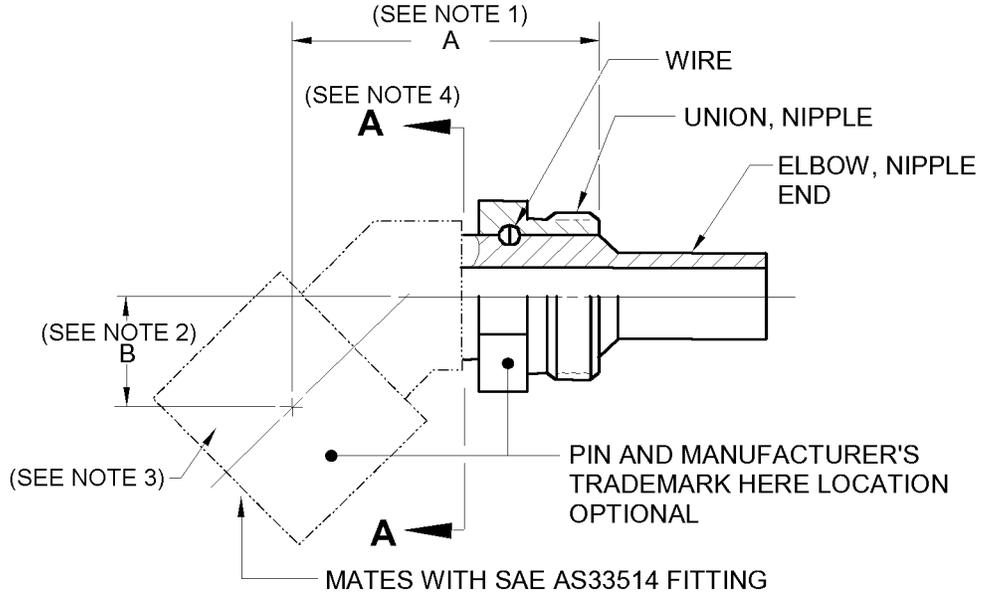
MS27389B
24 September 2003
SUPERSEDING
MS27389A
30 June 1972

DETAIL SPECIFICATION SHEET

ELBOW SUBASSEMBLY, FLARELESS, 45° FORGED, SWIVEL NUT

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 and MIL-DTL-27272.



NOTES.

1. Dimension A is measured between the hose end of the threaded section of union and the free end of the insert at its centerline.
2. Dimension B is measured between the centerline of the elbow and the free end of the insert at its centerline. If required, lockwire holes to be drilled in accordance with SAE AS1043 and suffix L added to the PIN (e.g., MS27389-8CL).
3. Any forged design of adapter components to the left of plane A-A is acceptable provided the dimensions of A and B and the requirements of this specification sheet and the procurement specification are met.

FIGURE 1. Elbow subassembly illustration.

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TABLE I. Elbow subassembly composition.

PIN <u>1/</u>	Wire PIN	Union, nipple PIN	Elbow, nipple end PIN	A <u>2/</u> ±.020	B <u>3/</u> ±.020
MS27389	MS27072	MS27071	MS27395		
-3/-4C <u>4/</u>	-4C	-4C	-3/-4C	1.227	.432
-4C			-4C	1.219	.424
-5C	-5C	-5C	-5C	1.258	.448
-6C	-6C	-6C	-6C	1.361	.526
-8C	-8C	-8C	-8C	1.877	.622
-8			-8D		

- 1/ If required, lockwire holes to be drilled in accordance with SAE AS1043 and suffix L added to the PIN (e.g., MS27389-8CL).
- 2/ Dimension A is measured between the hose end of the threaded section of union and the free end of the insert at its centerline.
- 3/ Dimension B is measured between the centerline of the elbow and the free end of the insert at its centerline.
- 4/ Swivel nut and sealing surface of this elbow subassembly shall mate with SAE AS33514-3 fitting. The remaining portion of the subassembly shall mate with M27267-4 hose.

REQUIREMENTS

Intended use. This part is a component of MS27384.

Identification of product. The part or Identifying Number (PIN) and the manufacturer's trademark shall be permanently marked on the assembly. The PIN for this subassembly shall be as specified in table I (e.g., MS27389-4C).

Dimensions. Dimensions are in inches.

Material. PIN suffix C, corrosion-resistant steel.

PIN suffix D. Aluminum alloy.

No PIN suffix. Combination of aluminum alloy and corrosion-resistant steel.

See applicable specification sheet for other components identified in table I for their material requirements.

Finish. Corrosion-resistant steel, do not passivate.

Aluminum alloy. Anodize in accordance with MIL-A-8625, type II, dye yellow.

Elbow subassembly illustration. See figure 1.

Order of precedence. This specification takes precedence over the documents referenced herein. Unless otherwise specified, referenced documents shall be of the issue in effect on the date of solicitation.

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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.

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA - CC

(Project 4730-0868-069)

Review activities:

Army - AT, MI
Navy - MC, SA, SH
Air Force - 71