

INCH-POUND

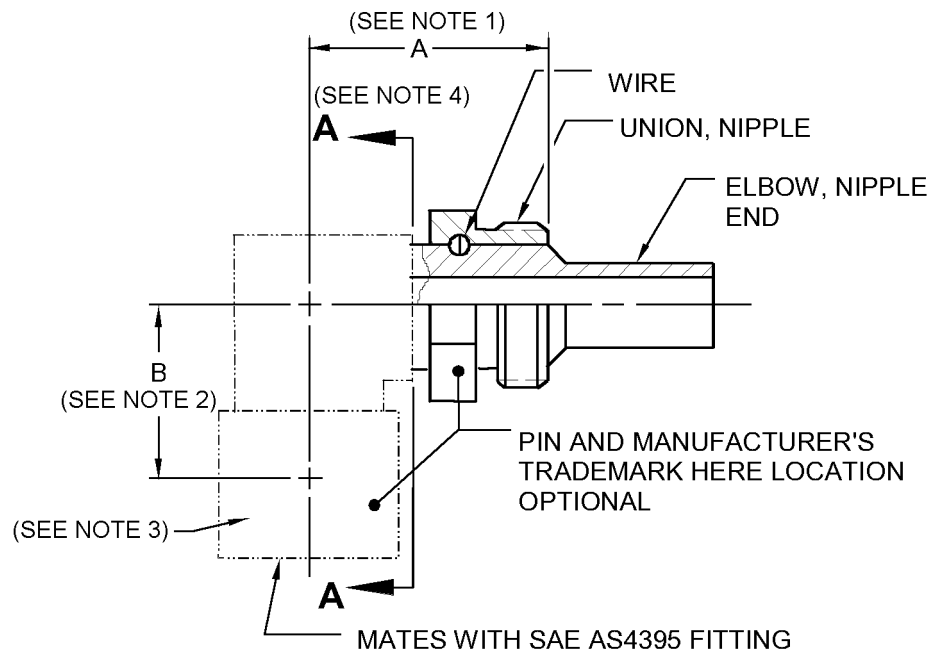
MS27068C  
 24 September 2003  
 SUPERSEDING  
 MS27068B  
 30 June 1972

## DETAIL SPECIFICATION SHEET

## ELBOW SUBASSEMBLY, FLARED, 90° 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 the union and the centerline of the insert.
2. Dimension B is measured between the centerline of the nipple and the free end of the insert at its centerline.
3. If required, lockwire holes to be drilled in accordance with SAE AS1043 and suffix L added to Part or Identifying Number (PIN) (e.g., MS27068-4CL).
4. Any forged design of adapter components to the left of plane A-A is acceptable provided that requirements of this specification sheet and the procurement specification are met.

FIGURE 1. Elbow subassembly illustration

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## REQUIREMENTS

Intended use. This part is a component of MS27060.

Identification of product. The PIN and the manufacturer's trademark shall be permanently marked on the assembly. The PIN for this part shall be as specified in table I (e.g., MS27068-4C).

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 blue.

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.

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
MS27068	MS27072	M27071	MS27086		
-3/-4C <u>4/</u>	-4C	-4C	-3/-4C	.845	.530
-4C			-4C		.580
-5C	-5C	-5C	-5C	.900	.655
-6C	-6C	-6C	-6C	.965	.720
-8C	-8C	-8C	-8C	1.235	.830
-8			-8D		

1/ If required, lockwire holes to be drilled in accordance with SAE AS1043 and suffix L added to PIN (e.g., MS27068-4CL).

2/ Dimension A is measured between the hose end of the threaded section of the union and the centerline of the insert.

3/ Dimension B is measured between the centerline of the nipple and the free end of the insert at its centerline.

4/ Swivel nut and sealing surface of this elbow subassembly shall mate with AS4395-3 fitting. The remaining portion of the subassembly shall mate with M27267-4 hose.

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.

MS27068C

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA - CC

(Project 4730-0868-041)

Review activities:

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