

INCH-POUND

MS27633A
29 September 2000
SUPERSEDING
MS27633
17 March 1971

DETAIL SPECIFICATION SHEET

ELBOW SUB ASSEMBLY, FLARELESS, 45°, 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 sheet and MIL-DTL-83296.

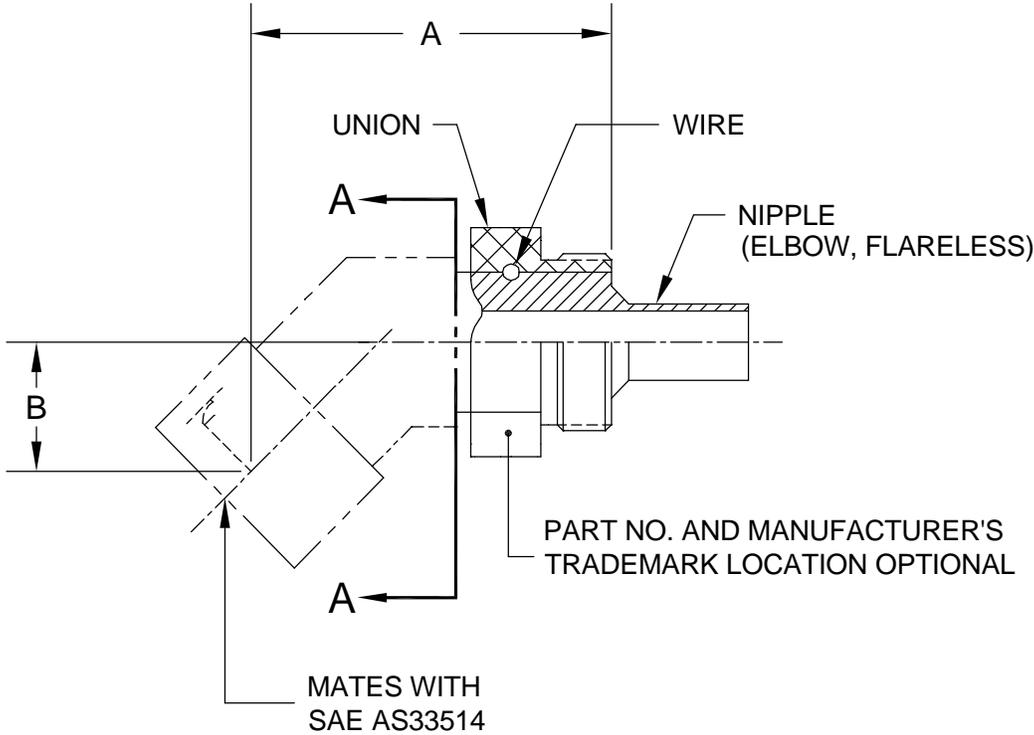


FIGURE 1. Flareless, 45°, elbow sub assembly.

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TABLE I. Elbow sub assembly parts and dimensions.

Part number	Union	Wire	Nipple	A (See note 2)	B (See note 2)
MS27633-4C	MS27624-4C	MS27625-4C	MS27637-4C	1.519	.515
MS27633-6C	MS27624-6C	MS27625-6C	MS27637-6C	1.840	.683
MS27633-8C	MS27624-8C	MS27625-8C	MS27637-8C	2.179	.761
MS27633-10C	MS27624-10C	MS27625-10C	MS27637-10C	1.824	.756

REQUIREMENTS:

1. Elbow sub assemblies shall be in accordance with figure 1 and table I.
2. Material shall be a corrosion resistant type steel.
3. Finish shall be in accordance with MIL-DTL-83296.
4. The part number and manufacturer's part number shall be marked in accordance with MIL-DTL-83296.

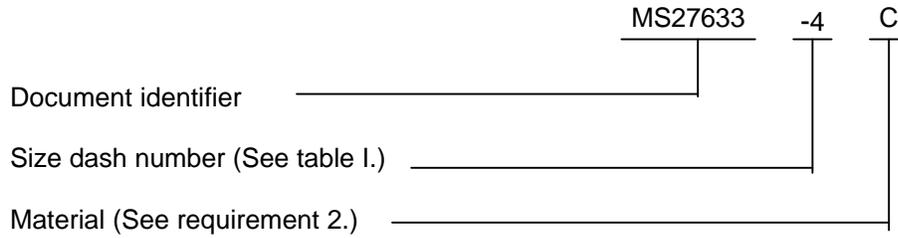
NOTES:

1. All dimensions are in inches, unless otherwise specified.
2. Sizes -4 thru -8 shall have a forged design (Tolerance ± 0.020). Size -10 shall have a bent tube design (Tolerance ± 0.035).
3. Any design of adapter component to the left of plane A-A is acceptable provided that dimensions A and B, the requirements and notes of this specification sheet, and the requirements of MIL-DTL-83296 are met.
4. These parts are for use with MIL-DTL-83298 hose.
5. This specification sheet takes precedence over documents referenced herein.
6. Referenced documents shall be of the issue listed in the issue of the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto, cited in the solicitation.
7. Dimensioning and tolerancing are in accordance with ASME Y14.5M-1994.

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8. Part or Identifying Number (PIN):

Example of a PIN: MS27633-4C.



9. Next assembly is MS27630.

Custodians:

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

Preparing activity:

- DLA - CC
- (Project 4730-1040-036)

Review activities:

- Air Force - 82
- Navy - MC, SA