

INCH-POUND

MS27633B

22 October 2009

SUPERSEDING

MS27633A

29 September 2000

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.

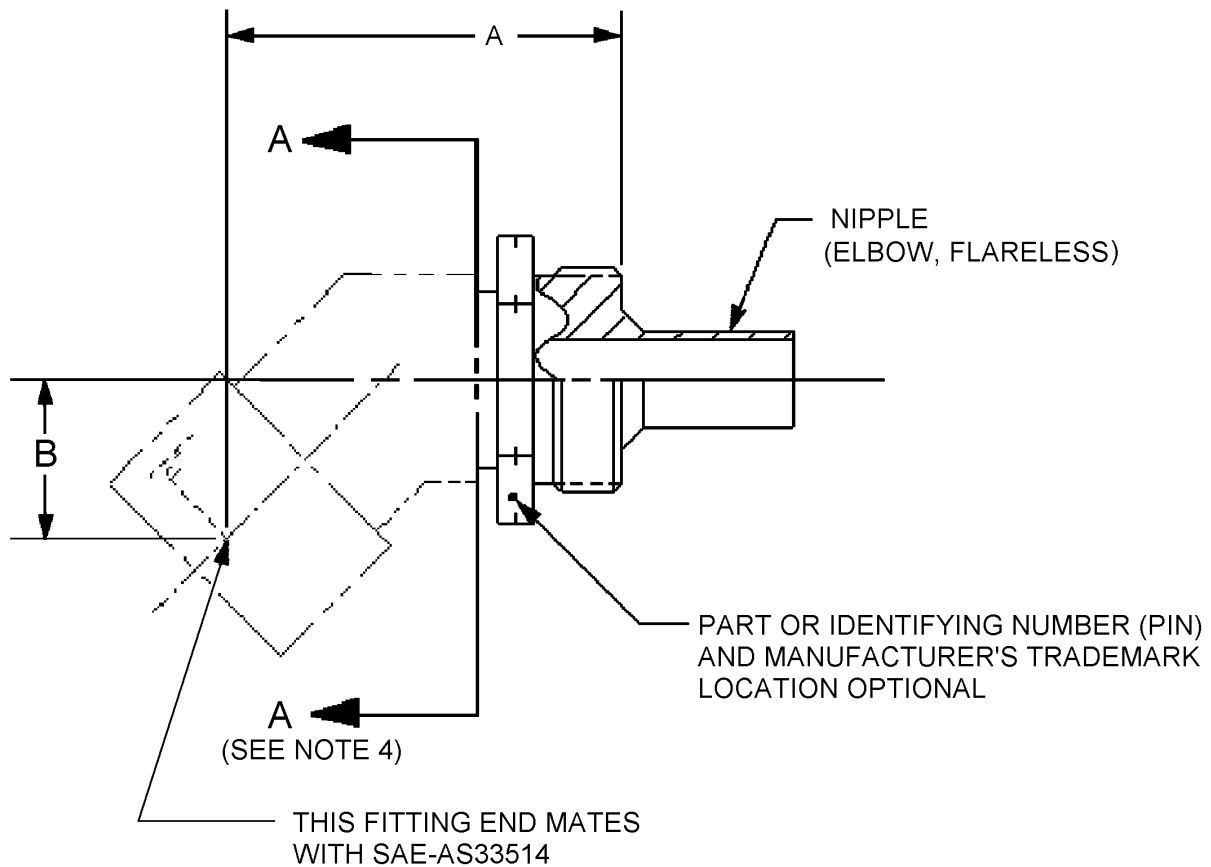


FIGURE 1. Flareless, 45°, elbow sub assembly.

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PIN	Union	Wire	Nipple	A inch (mm)	B inch (mm)
MS27633-4C	MS27624-4C	MS27625-4C	MS27637-4C	1.519 (38.58)	.515 (13.08)
MS27633-6C	MS27624-6C	MS27625-6C	MS27637-6C	1.840 (46.74)	.683 (17.35)
MS27633-8C	MS27624-8C	MS27625-8C	MS27637-8C	2.179 (55.35)	.761 (19.33)
MS27633-10C	MS27624-10C	MS27625-10C	MS27637-10C	1.824 (46.33)	.756 (19.20)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Dimensioning and tolerancing are in accordance with ASME Y14.5M.
4. Any design of adapter component to the left of plane A-A is acceptable provided that dimensions A and B meet the requirements and notes of this specification sheet, and the requirements of MIL-DTL-83296 are met.

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

REQUIREMENTS:

Dimensions and configurations: The design, construction, and physical dimensions shall be in accordance with MIL-DTL-83296 and figure 1, in case of conflict between this specification sheet and MIL-DTL-83296, this specification sheet shall govern.

This part for use with MIL-DTL-83298 hose and hose assemblies in accordance with MIL-DTL-32330.

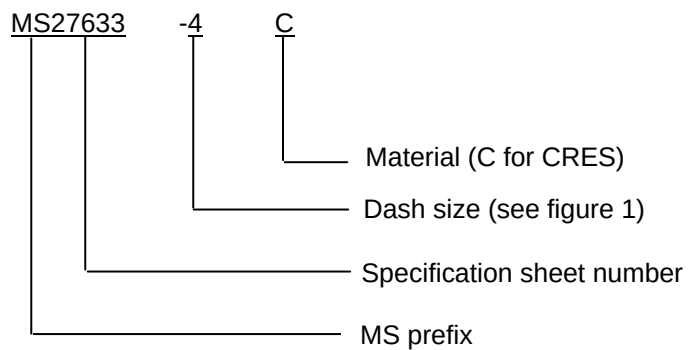
Material: Material shall be corrosion resistant steel (CRES).

Sizes -4 thru -8 shall have a forged design (tolerance ± 0.020 (0.51 mm)). Size -10 shall have a bent tube design (tolerance ± 0.035 (0.89 mm)).

Finish: Finish shall be passivated in accordance with MIL-DTL-83296.

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PIN example:



PIN example: MS27633-4C indicates a 45° elbow sub-assembly 1/4 inch, CRES.

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

Referenced documents. In addition to MIL-DTL-83296, this document references the following:

MIL-DTL-32330	ASME Y14.5M
MIL-DTL-83298	SAE-AS33514

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA - CC

(Project 4730-2008-063)

Review activities:

Navy - MC, SA
Air Force - 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>.