

INCH-POUND

MS27621C
w/AMENDMENT 1
31 August 2023
SUPERSEDING
MS27621C
12 January 2018

DETAIL SPECIFICATION SHEET

ELBOW SUB ASSEMBLY, FLARED, 90°, SWIVEL NUT

Inactive for New Design After 6 March 2023

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.

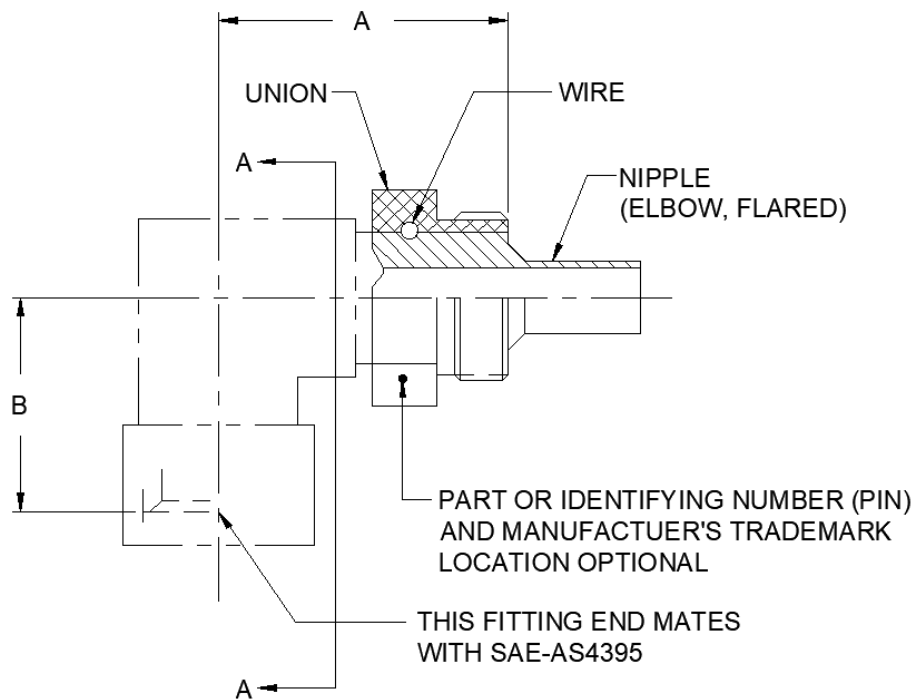


FIGURE 1. Elbow, 90°, flared, sub assembly.



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PIN	Union	Wire	Nipple	A inches (cm)	B inches (cm)
MS27621-4C	MS27624-4C	MS27625-4C	MS27627-4C	.970 (2.46)	.705 (1.79)
MS27621-6C	MS27624-6C	MS27625-6C	MS27627-6C	1.088 (2.76)	.836 (2.12)
MS27621-8C	MS27624-8C	MS27625-8C	MS27627-8C	1.304 (3.31)	.980 (2.48)
MS27621-10C	MS27624-10C	MS27625-10C	MS27627-10C	1.434 (3.64)	1.176 (2.98)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Dimensioning and tolerancing are in accordance with ASME Y14.5.
4. Any design of adapter component to the left of plane A-A is acceptable provided that dimension A and B, provided the requirements specified herein and the requirements of MIL-DTL-83296 are met.
5. Part or Identifying Number (PIN).

FIGURE 1. Elbow, 90°, flared, 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.

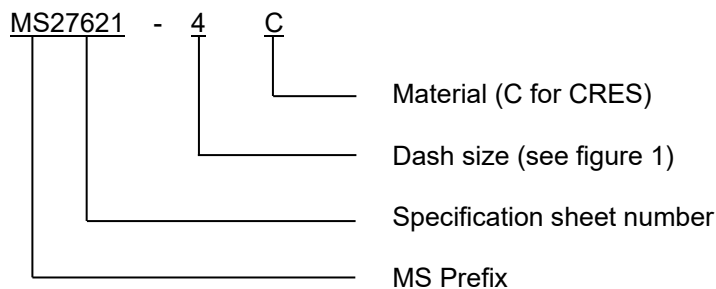
Material: Material shall be corrosion resistant steel (CRES).

Sizes -4 thru -8 shall have a forged design (tolerance ± 0.020 inch (0.51 mm)).

Size -10 shall have a bent tube design (tolerance ± 0.035 inch (0.89 mm)).

Finish: Finish shall be passivated as specified in MIL-DTL-83296.

PIN example:



PIN example: MS27621-4C indicates a 90° elbow sub-assembly 1/4 inch, CRES.

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Amendment notations. 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-83296, this document references the following:

MIL-DTL-83298
MIL-DTL-32330
ASME Y14.5
SAE-AS4395

CONCLUDING MATERIAL

Custodians:

Army - AV
Navy - AS
Air Force – 71
DLA - CC

Preparing activity:
DLA - CC

(Project 4730-2023-066)

Review activities:

Navy - MC, SA

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 <https://assist.dla.mil>.