

INCH-POUND

MS27629B  
22 October 2009  
SUPERSEDING  
MS27629A  
29 September 2000

DETAIL SPECIFICATION SHEET

ADAPTER ASSEMBLY, FLARELESS, STRAIGHT, TUBE TO HOSE-WITH 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.

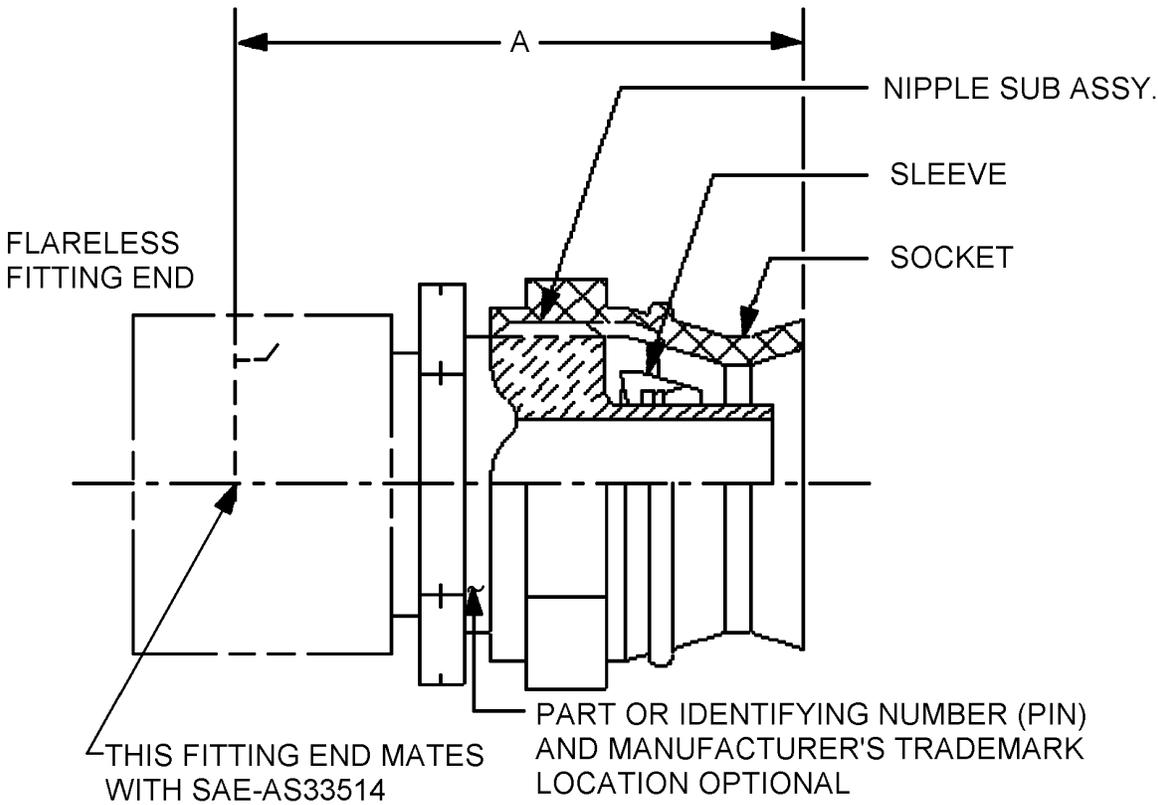


FIGURE 1. Adapter assembly, flareless, straight.

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PIN	Nipple sub assembly	Sleeve	Socket	A max inch (cm)
MS27629-4C	MS27632-4C	MS27623-4C	MS27622-4C	1.73 (4.39)
MS27629-6C	MS27632-6C	MS27623-6C	MS27622-6C	1.89 (4.80)
MS27629-8C	Ms27632-8C	MS27623-8C	MS27622-8C	2.21 (5.61)
MS27629-10C	MS27632-10C	MS27623-10C	MS27622-10C	2.41 (6.12)

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.

FIGURE 1. Adapter assembly, flareless, straight - Continued.

REQUIREMENTS:

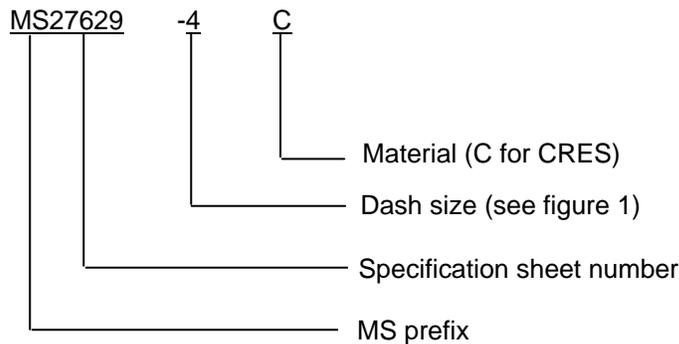
Dimensions and configurations: The design, construction, and physical dimensions shall be in accordance with MIL-DTL-83296 and figure 1, in case of conflict between this specification sheet and MIL-DTL-83296, this specification sheet shall govern.

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), class 304 in accordance with SAE-AMS5639, 304L in accordance with SAE-AMS5647, 316 in accordance with SAE-AMS5648, or 321 in accordance with SAE-AMS5645, or condition A (accepted classes only), in accordance with ASTM A276.

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

PIN example:



PIN example: MS27629-4C indicates an adapter assembly straight 1/4 inch, CRES.

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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-83298	SAE-AMS5645
MIL-DTL-32330	SAE-AMS5647
ASME Y14.5M	SAE-AMS5648
ASTM A276	SAE-AS33514
SAE-AMS5639	

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:  
DLA - CC

(Project 4730-2008-059)

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>.