

INCH-POUND

MS28761B  
 6 April 2001  
 SUPERSEDING  
 MS28761A  
 22 August 1970

## DETAIL SPECIFICATION SHEET

FITTING END, STRAIGHT, ATTACHABLE, HYDRAULIC, HIGH  
 PRESSURE HOSE (3,000 PSI), FLARELESS TUBE

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 the issue of MIL-DTL-8789.

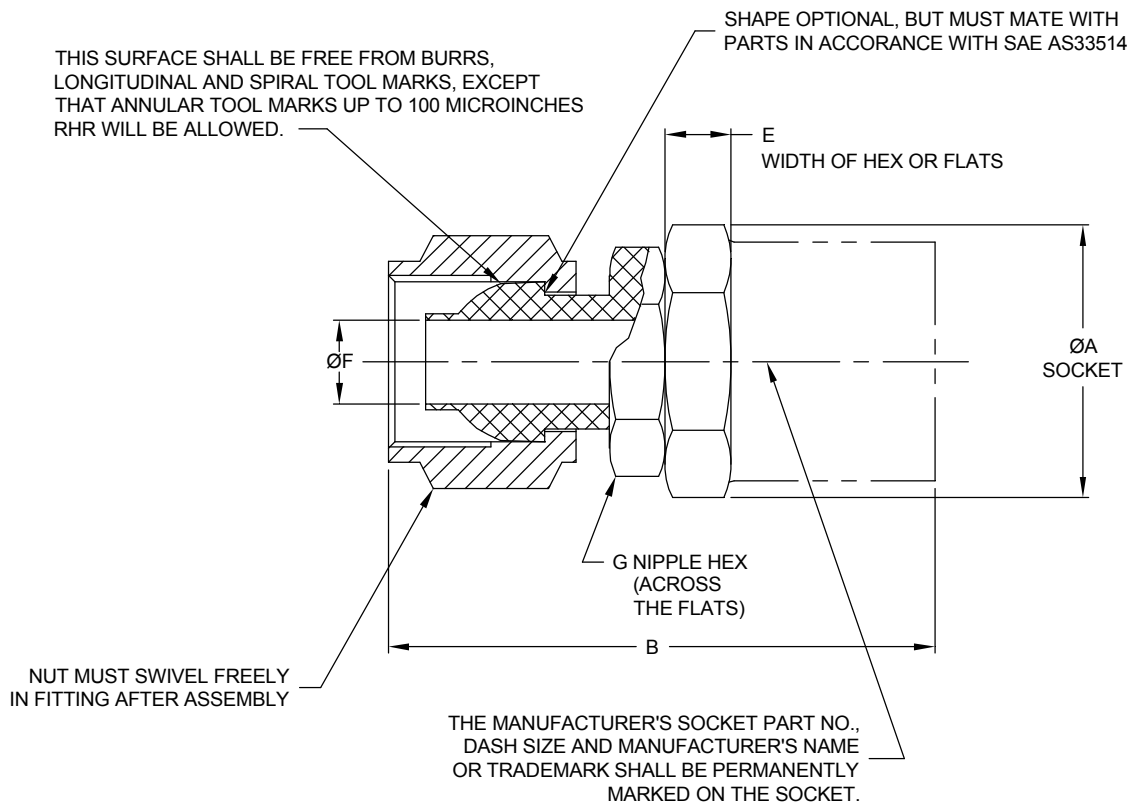


FIGURE 1. Fitting end, straight, flared tube.

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TABLE I. Fitting end sizes and dimensions.

Size dash no.	Hose ID ref	Tubing OD	Nut	A Max	B Max	E Min	F Min	G
4	.219	.250	AS21921-4	.875	2.491	.188	.146	.563
5	.281	.312	AS21921-5	.937	2.631		.177	.625
6	.344	.375	AS21921-6	1.160	3.000	.250	.271	.688
8	.438	.500	AS21921-8	1.375	3.310		.365	.875
10	.563	.625	AS21921-10	1.550	3.564	.312	.455	1.000
12	.688	.750	AS21921-12	1.740	3.823		.568	1.250
16	.875	1.000	AS21921-16	2.000	4.511	.375	.800	1.500

## REQUIREMENTS:

1. See table I for fitting end sizes and dimensions.
2. Material: Nipples and nuts shall be of steel and the socket shall be of aluminum as specified in MIL-DTL-8789.
3. Hex or flats shall fit standard wrench openings.
4. A non-standard swivel nut may be used provided the hex and thread dimensions are in accordance with AS21921 and provided the nut cannot be removed from assembly.
5. The fitting identification shall be marked in accordance with MIL-DTL-8789.

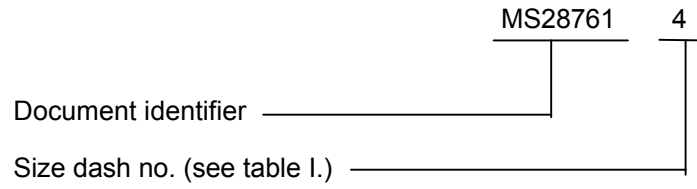
## NOTES:

1. All dimensions are in inches.
2. Unless otherwise specified, tolerances:  $\pm .005$ .
3. These fittings are for use with MIL-DTL-8788 hose.
4. This specification sheet takes precedence over documents referenced herein.
5. 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.

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6. Part or Identifying Number (PIN):

Example of a PIN: MS28760-4



Custodians:

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

Preparing activity:

DLA - CC

(Project 4730-0767)

Review activities:

- Air Force - 71
- Army - AV, MI
- Navy - SA