

INCH-POUND

MS28760D  
6 April 2001  
SUPERSEDING  
MS28760C  
22 May 1970

DETAIL SPECIFICATION SHEET

FITTING END, STRAIGHT, ATTACHABLE, HYDRAULIC AND PNEUMATIC,  
HIGH PRESSURE HOSE (3,000 PSI), FLARED 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.

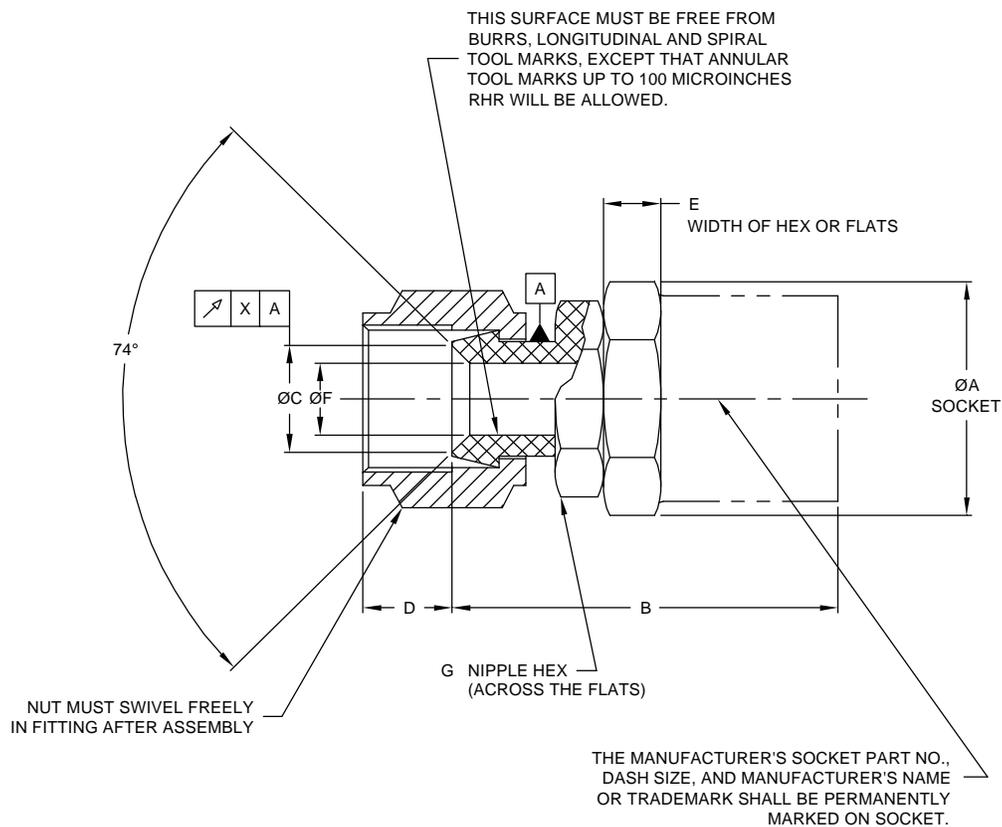


FIGURE 1. Fitting end, straight, flared tube.

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TABLE I. Fitting end sizes and dimensions.

Size dash no.	Hose ID ref	Tubing OD	Nut	A Max	B Max	C	
4	.219	.250	AN818-4	.875	2.100	.295	±.010
5	.281	.313	AN818-5	.937	2.240	.355	
6	.344	.375	AN818-6	1.160	2.470	.435	
8	.438	.500	AN818-8	1.375	2.730	.573	
10	.563	.625	AN818-10	1.550	3.020	.680	
12	.688	.750	AN818-12	1.740	3.230	.850	
16	.875	1.000	AN818-16	2.000	3.600	1.103	±.015

TABLE I. Fitting end sizes and dimensions - Continued.

Size dash no.	D		E Min	F Min	G	X
4	.375	±.015	.188	.146	.563	.005
5			.250	.177	.625	
6			.271	.688		
8	.438	±.031	.312	.365	.875	.010
10	.515			.455	1.000	
12	.502			.508	1.250	
16	.620			.375	.778	

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 AN818 and provided the nut cannot be removed from assembly.
5. The fitting identification shall be marked in accordance with MIL-DTL-8789.

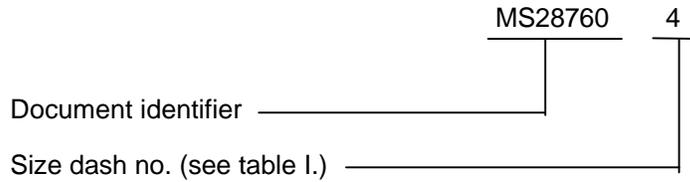
NOTES:

1. All dimensions are in inches.
2. Unless otherwise specified, tolerances: ±.005.
3. These fittings are for use with MIL-DTL-8788 hose.

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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.
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 4730-0766)

Review activities:  
Air Force - 71  
Army - AV, MI  
Navy - SA