

INCH-POUND

MIL-DTL-52525/9B

30 June 1998

SUPERSEDING

MIL-F-52525/9A

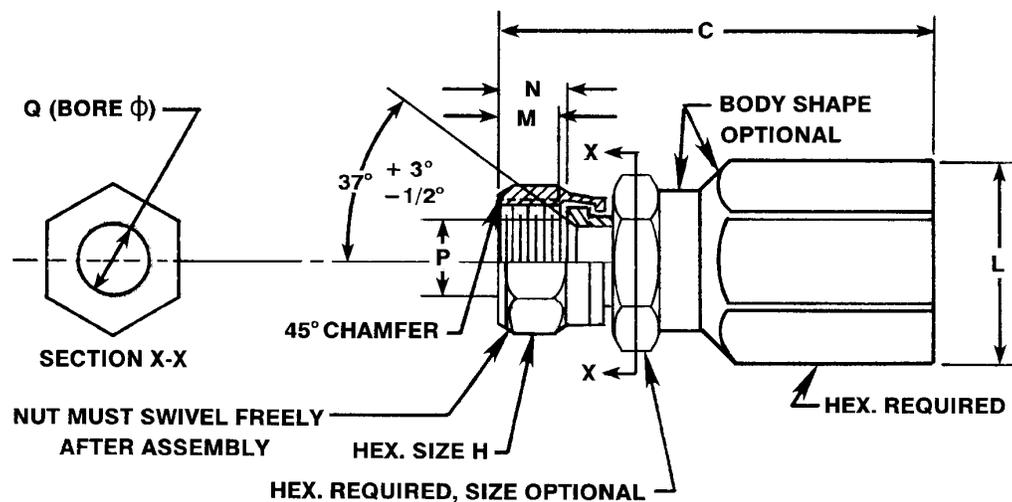
30 June 1987

DETAIL SPECIFICATION SHEET

FITTINGS, HOSE, SCREW-ON TO 37° FLARE FEMALE SWIVEL,  
STRAIGHT, TYPE 100R10

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-52525. The fittings described herein are for use with  
MIL-DTL-52471, type 100R10, 4-spiral wrap hose.



NOTE:

1. DIMENSION P TO BE CONCENTRIC WITH  
DIMENSION Q WITHIN 0.015 FIM

FIGURE 1. Fitting, screw-on to 37° flare, straight.

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TABLE I. Dimensions for type 100R10 fittings. 1/

Part number	Hose dash no.	Hose I.D.	Tube dash no.	Tube O.D.	Thread size	C Maximum	L Maximum	M Minimum
M52525/9-12-12	12	3/4	12	3/4	1-1/16-12	5.82	1.625	0.469
M52525/9-16-16	16	1	16	1	1-5/16-12	4.79	2.000	0.563
M52525/9-20-20	20	1-1/4	20	1-1/4	1-5/8-12	6.75	2.625	0.563
M52525/9-24-24	24	1-1/2	24	1-1/2	1-7/8-12	7.21	2.875	0.661

1/ All dimensions not shown shall conform to SAE J516.

TABLE I. Dimensions for type 100R10 fittings - Continued. 1/

Part number	N	P	Q
	+0.016 -0.000	+0.005 -0.000	Minimum
M52525/9-12-12	0.562	0.850	0.61
M52525/9-16-16	0.594	1.000	0.78
M52525/9-20-20	0.625	1.410	1.01
M52525/9-24-24	0.734	1.625	1.25

1/ All dimensions not shown shall conform to SAE J516.

TABLE II. Maximum operating pressures of fittings.

Hose I.D.	PSI
3/4	5000
1	4000
1-1/4	3000
1-1/2	2500

TABLE III. Over-tightening torque for swivel nut.

Tube O.D.	Torque
	inch pounds (in-lb)
3/4	900
1	1200
1-1/4	1900
1-1/2	2700

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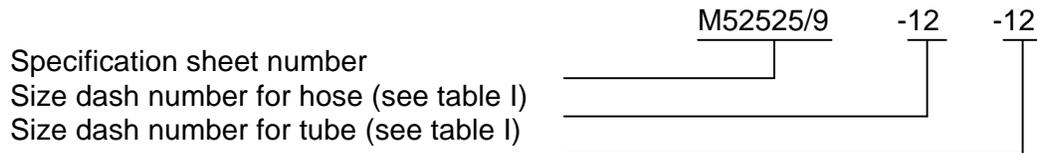
REQUIREMENTS:

1. Fittings shall be accordance with figure 1 and tables I through III.
2. Materials and finishes shall be as specified in MIL-DTL-52525.
3. Marking shall include the manufacturer's name or trademark, size, and hose identifier R10. Location of marking is optional.

NOTES:

1. Dimensions are in inches.
2. Part number.

Example of a Military part number: M52525/9-12-12



CONCLUDING MATERIAL

Custodian:  
Army - AT  
Air Force - 99

Preparing activity:  
DLA - CC

(Project 4730-0859-09)

Review activities:  
Air Force - 82  
Army - AR