

INCH-POUND

MIL-DTL-52525/12B
30 June 1998
SUPERSEDING
MIL-F-52525/12A
30 June 1987

DETAIL SPECIFICATION SHEET

FITTINGS, HOSE, SCREW-ON TO 4-BOLT
SPLIT-FLANGE, 90° BENT TUBE, TYPE 100R2

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 100R2, double wire braid hose.

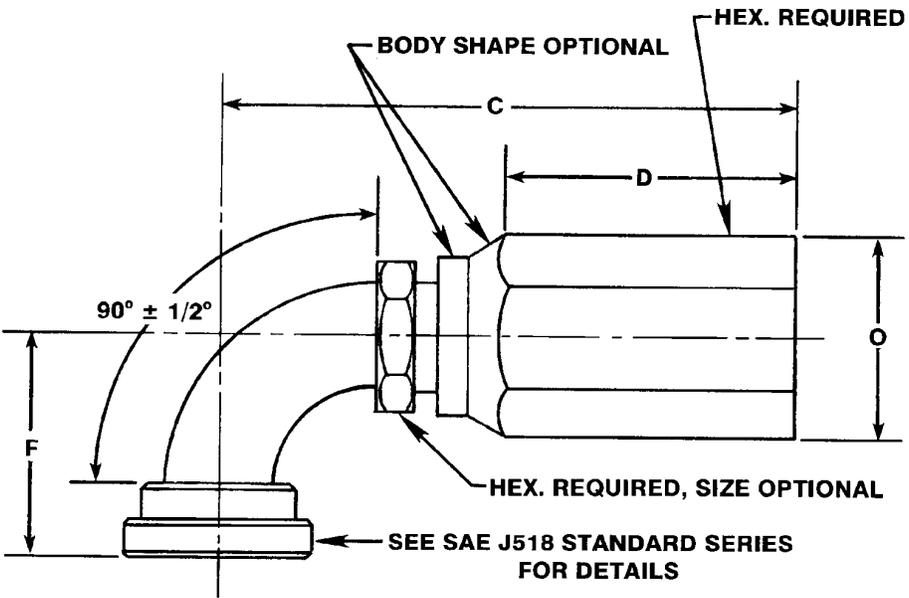


FIGURE 1. Fitting, screw-on to 4-bolt split-flange, 90° bent tube.

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TABLE I. Dimensions for type 100R2 fittings. 1/

Part number	Hose dash number	Hose I.D.	Tube dash number	Flange head		C Maximum	D Minimum
				dash no.	size		
M52525/12-8-8	8	1/2	8	8	1/2	3.65	1.27
M52525/12-12-12	12	3/4	12	12	3/4	4.40	1.36
M52525/12-16-16	16	1	16	16	1	5.14	1.61
M52525/12-16-20	16	1	20	20	1-1/4	5.14	1.61
M52525/12-20-20	20	1-1/4	20	20	1-1/4	6.33	1.80
M52525/12-20-24	20	1-1/4	24	24	1-1/2	6.33	1.80
M52525/12-24-24	24	1-1/2	24	24	1-1/2	7.01	2.08
M52525/12-32-32	32	2	32	32	2	8.62	2.44

1/ Dimensions not shown shall conform to SAE J516.

TABLE I. Dimensions for type 100R2 fittings. - Continued. 1/

Part number	F ±0.12	O Maximum
M52525/12-8-8	1.63	1.38
M52525/12-12-12	2.13	1.75
M52525/12-16-16	2.38	2.06
M52525/12-16-20	2.38	2.06
M52525/12-20-20	2.62	2.63
M52525/12-20-24	2.69	2.63
M52525/12-24-24	3.12	2.94
M52525/12-32-32	4.50	3.50

1/ Dimensions not shown shall conform to SAE J516.

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TABLE II. Maximum operating pressures of fittings.

Hose I.D.	PSI
1/2	3500
3/4	2250
1	2000
1-1/4	1625
1-1/2	1250
2	1125

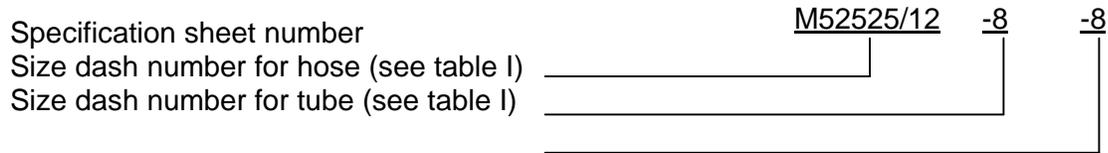
REQUIREMENTS:

1. Fittings shall be in accordance with figure 1 and tables I and II.
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 R2. Location of marking is optional.

NOTES:

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

Example of a Military part number: M52525/12-8-8



CONCLUDING MATERIAL

Custodian:
 Army - AT
 Air Force - 99

Preparing activity:
 DLA - CC

(Project 4730-0859-12)

Review activities:
 Air Force - 82
 Army - AR