

INCH-POUND

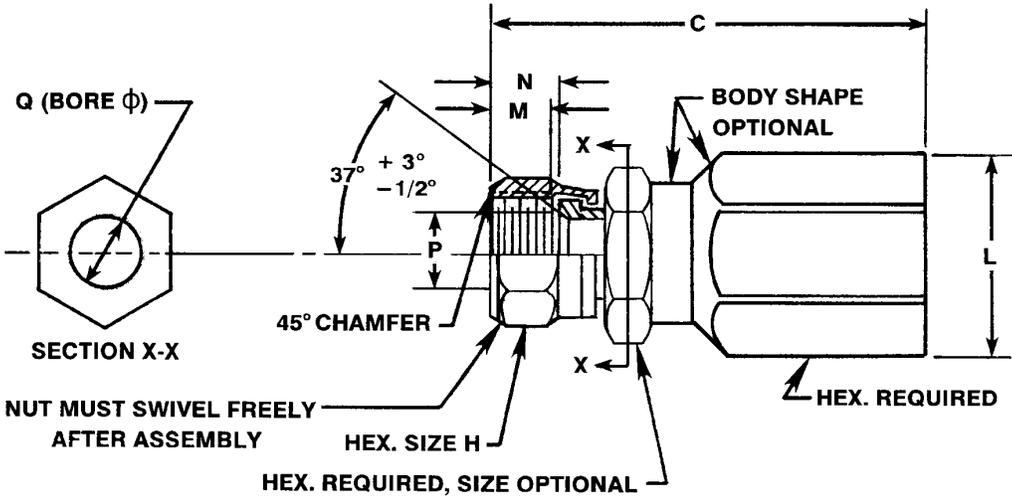
MIL-DTL-52525/31A
30 June 1998
SUPERSEDING
MIL-F-52525/31
30 June 1987

DETAIL SPECIFICATION SHEET

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

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 100RE, 4-spiral-wrap reinforcement hose.



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

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

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TABLE I. Dimensions for type 100RE fittings, straight.

Part number	Hose dash no.	Hose I.D.	Hose O.D.	Tube dash no.	Tube O.D.	Thread size	C Maximum
M52525/31-12-12	12	0.75	1.26	12	0.75	1-1/16-12	5.95
M52525/31-16-16	16	1.00	1.51	16	1.00	1-5/16-12	6.37

TABLE I. Dimensions for type 100RE fittings, straight - Continued.

Part number	H Hex size	L Maximum	M Minimum	N +0.030 -0.015	P ±0.005	Q Minimum
M52525/31-12-12	1.25	1.88	0.469	0.562	0.850	0.61
M52525/31-16-16	1.50	2.31	0.563	0.594	1.100	0.78

TABLE II. Maximum operating pressures of fittings.

Hose I.D.	PSI
0.75	6250
1.00	5000

TABLE III. Over-tightening torque for swivel nut.

Tube O.D.	Torque
	Inch pounds (in-lb)
0.75	900
1.00	1200

REQUIREMENTS:

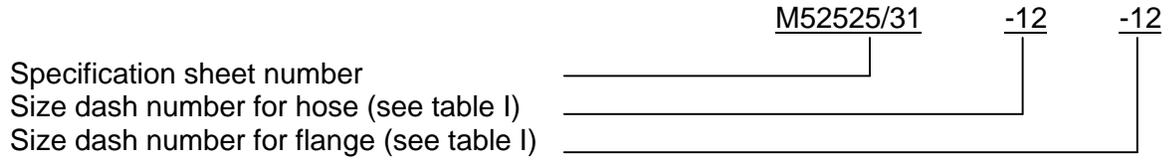
1. Fittings shall be in accordance with figure 1 and tables I, II, and III.
2. Materials and finishes shall be as specified in MIL-DTL-52525.
3. Marking shall include the manufacturer's name or trademark, size, and hose identifier 100RE. Location of marking is optional.
4. Method of fabrication and assembly of swivel nut is optional.

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NOTES:

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

Example of a Military part number: M52525/31-12-12



CONCLUDING MATERIAL

Custodian:
Army - AT
Air Force - 99

Preparing activity:
DLA - CC

(Project 4730-0859-21)

Review activities:
Air Force - 82
Army - AR