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IN REPLY  
REFER TO

DSCC -VAI (Gail Dever/(614-692-8781)

September 5, 2003

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Initial Draft for MIL-DTL-52525/41A, Fittings, Wire Reinforced Hydraulic Hose and Clamp-Halves: Field Attachable (Reusable), Screw-On to 4-Bolt Split-Flange, 45° Bent Tube, For Use With Type 100R12 Four-Spiral-Wrap Reinforcement Hose, Project Number 4730-2435-000.

This initial draft revision is a proposal to convert the document into the detail specification format and update all cancelled reference documents.

If this document is of interest to you, please provide your comments to the project officer electronically. It is very important that you attempt to respond electronically to this draft. This can be in the form of a return e-mail, with or without an attached text file. Because we believe electronic coordination should be faster than hard copy distribution, we have allotted a 45-day coordination cycle from the date of this letter. Please provide your comments within that time period. If an electronic response is not possible, we will still accept comments via letter, facsimile, or phone call, but only after you have contacted the project officer listed below. The initial draft document can be found at the following DSCC-VA web page:

<http://www.dsccl.dla.mil/Programs/MilSpec/initialdrafts.asp>

This process still requires military departments to identify their comments as "Essential" or "Suggested". Essential comments must be justified with supporting data. Military review activities should forward comments to their custodians or this office, as applicable, in sufficient time to allow for consolidating the department reply.

If there are any questions regarding this project, please contact Gail Dever (project officer) by the preferred method of electronic mail at [gail.dever@dlamail](mailto:gail.dever@dlamail) by telephone at commercial 614-692-8781, DSN 850-8781; or by facsimile at 614-692-6939. Our mailing address as a last resort is Defense Supply Center, Columbus, (DSCC-VAI), P.O. Box 3990, Columbus, OH 43216-5000. If you have further questions or concerns regarding this program, you may contact me at 614-692-0566 or [richard.taylor@dlamail](mailto:richard.taylor@dlamail).

Sincerely,

/Signed/

RICHARD L. TAYLOR  
Chief  
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NOTE: This initial draft, dated 4 September 2003, prepared by the Defense Supply Center Columbus, has not been approved and is subject to modification. DO NOT USE FOR ACQUISITION PURPOSES. (Project 4730-2435-000)

INCH-POUND

MIL-DTL-52525/41A  
ddmmmyyy  
SUPERSEDING  
MIL-F-52525/41  
30 June 1987

DETAIL SPECIFICATION SHEET

FITTINGS, WIRE REINFORCED HYDRAULIC HOSE AND CLAMP-HALVES: FIELD ATTACHABLE (REUSABLE), SCREW-ON TO 4-BOLT SPLIT-FLANGE, 45° BENT TUBE, FOR USE WITH TYPE 100R12 FOUR-SPIRAL-WRAP REINFORCEMENT HOSE

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 100R12, 4-spiral-wrap reinforcement hose.

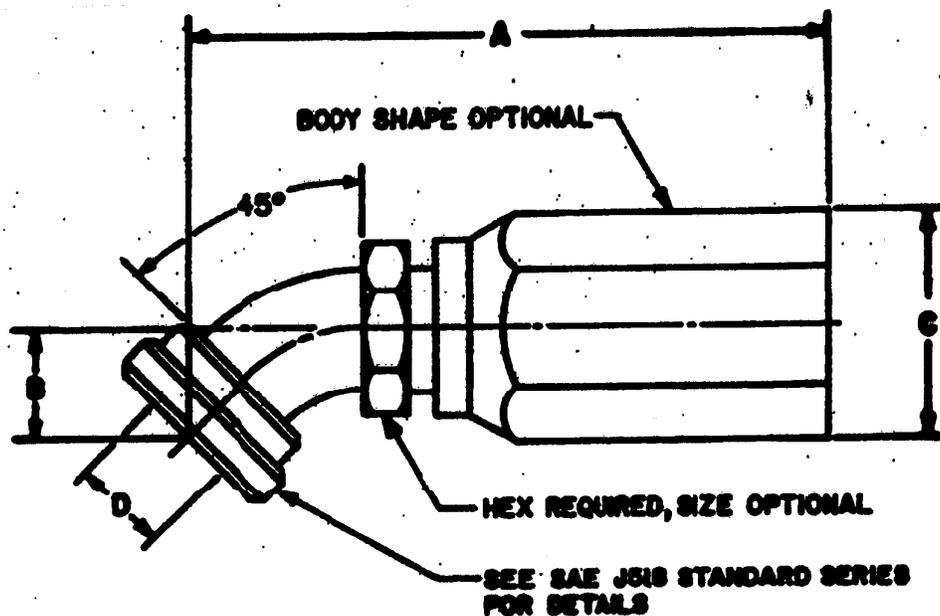


FIGURE 1. Fitting, screw-on to 4-bolt split-flange, 45° bent tube, for type RE hose.

MIL-DTL-52525/41A

TABLE I. Dimensions for type 100R12 fittings, 45° bent tube.

Part number	Hose dash no.	Hose I.D.	Hose O.D.	Tube dash no.	Tube O.D.	Flange dash size
M52525/41-08-08	08	0.50	0.94	08	0.50	08
M52525/41-12-12	12	0.75	1.21	12	0.75	12
M52525/41-16-16	16	1.00	1.50	16	1.00	16

TABLE I. Dimensions for type 100R12 fittings, 90° bent tube. - Continued

Part number	A Maximum	B Maximum	C Maximum	D Minimum
M52525/41-08-08	4.00	0.80	1.29	0.35
M52525/41-12-12	4.75	1.10	1.73	0.60
M52525/41-16-16	5.60	1.10	2.02	0.75

TABLE II. Maximum operating pressures of fittings.

Hose I.D.	PSI
0.50	5000
0.75	4000
1.00	4000

**REQUIREMENTS:**

The fittings shall be in accordance with figure 1 and tables I and II.

Materials and finishes shall be as specified in MIL-DTL-52525.

Marking shall include the manufacturer's name or trademark, size, and hose identifier 100R12. Location of marking is optional.

