

DETAIL SPECIFICATION SHEET

HOSE, RUBBER, HYDRAULIC PRESSURE-TYPE, TYPE 100RE  
 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-52471.

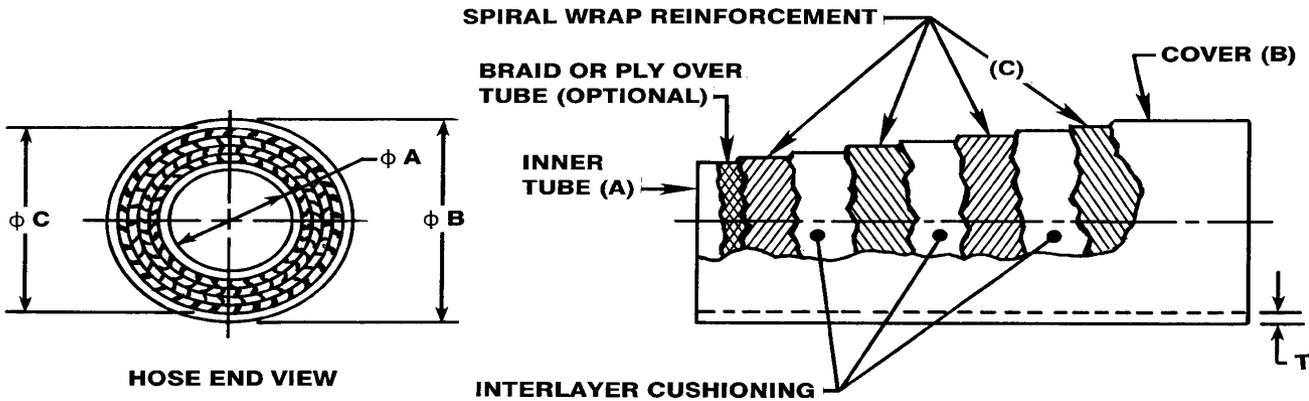


FIGURE 1. Hose: type 100RE, four-spiral-wrap reinforcement.

TABLE I. Dimensions, type 100RE hose.

Hose size (inch)	Dash number	Inside diameter inch	Outside diameter inch
1/2	-8	.50 +.021 -.015	.98 +.025
3/4	-12	.75 +.031 -.015	1.26 ±.031
1	-16	1.00 +.040 -.015	1.51 +.045 -.049

TABLE II. Hose characteristics, type 100RE.

Hose size (inch)	Dash number	Minimum bend radius inch	Weight per foot lbs	Wire reinforcement OD inch
1/2	-8	8.00	.069	.692/.728
3/4	-12	11.00	1.08	1.071/1.133
1	-16	12.00	1.31	1.339/1.401

TABLE III. Hose operating pressure.

Hose size (inch)	Dash number	Maximum operating pressure psi	Minimum burst pressure psi
1/2	-8	7500	30,000
3/4	-12	6250	25,000
1	-16	5000	20,000

TABLE IV. Concentricity.

Hose size (inch)	Concentricity (FIM) between	
	Tube inside diameter (A) and cover outside diameter (B) inch	Tube inside diameter (A) and reinforcement outside diameter (C) inch
1/2, 3/4	0.040	0.028
1	0.050	0.035

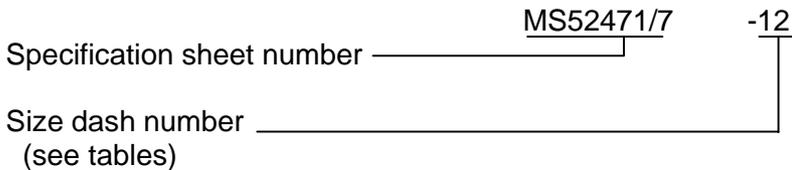
REQUIREMENTS:

1. The hose shall be in accordance with figure 1 and tables I through IV.
2. Inside and outside diameters are measured at least 2 inches from the end.
3. This hose must be listed on QPL-52471.

NOTES:

1. Part number: The military part number corresponds to the size of hoses covered by this specification sheet. The specification sheet number and the size dash number form a the military part number.

Example of a military part number: MS524471/7-12



CONCLUDING MATERIAL

Custodian:  
Army - AT  
Air Force - 99  
Navy - SH

Preparing activity:  
DLA - CC

(Project 4720-0191-07)

Review activities:  
Army - AR, GL  
Air Force - 82