

MIL-H-85800/4(AS)

16 May 1988

MILITARY SPECIFICATION SHEET

HOSE ASSEMBLIES, POLYTETRAFLUOROETHYLENE; ARAMID FIBER
REINFORCED, 5000 AND 8000 PSI; DESIGN STANDARD FOR
STYLE 45 DEGREES TO 45 DEGREES

This specification is approved for use within the Naval
Air Systems Command, Department of the Navy, and is
available for use by all Departments and Agencies of the
Department of Defense.

The complete requirements for acquiring the hose assemblies designed herein shall
consist of this document and the latest issue in effect of specification
MIL-H-85800.

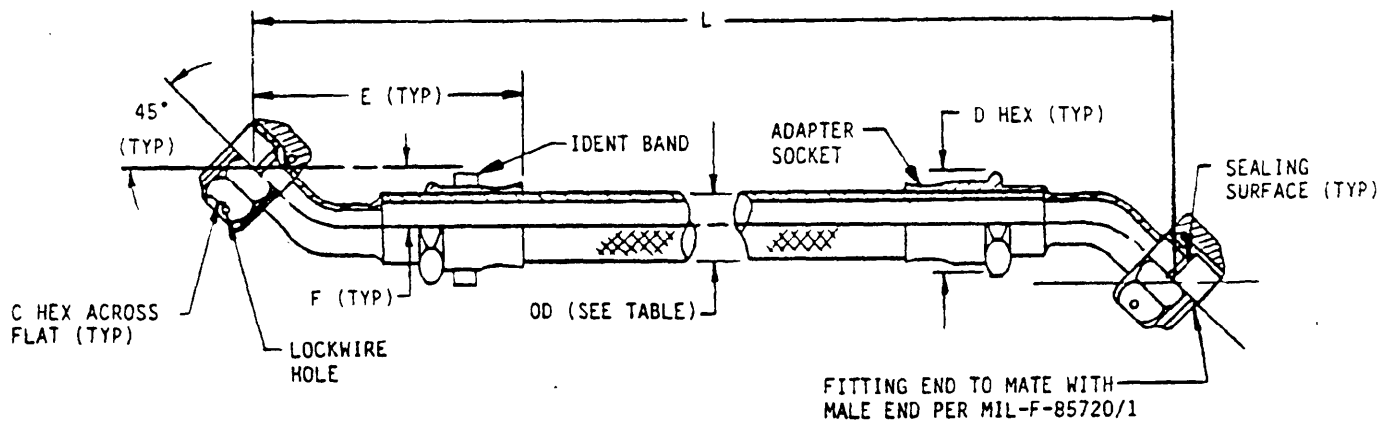


FIGURE 1. Dimensions and Configuration

AMSC N/A

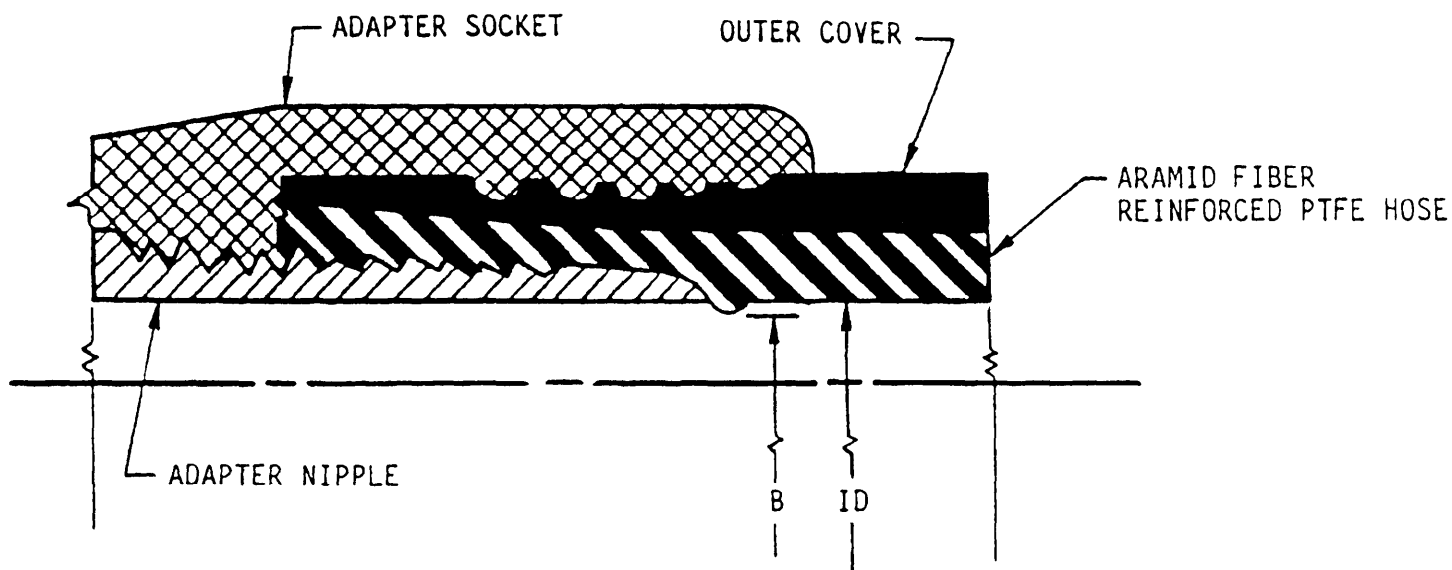
FSC 4720

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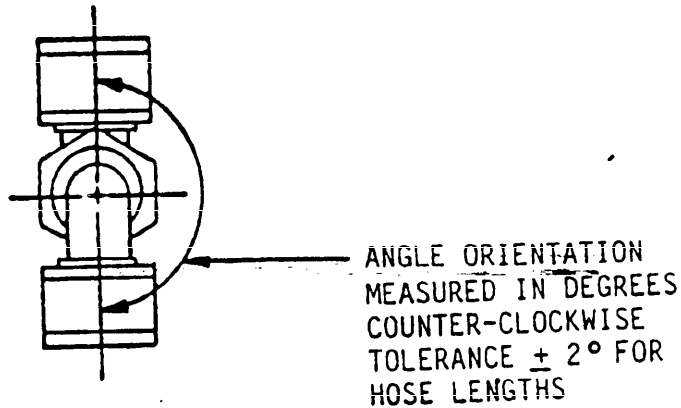
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TABLE I. HOSE DIMENSIONS AND DESIGN DATA

DASH NO	HOSE SIZE	THREAD T PER MIL-S-8879	B DIA MIN	C HEX	D HEX	E MAX	F		ID MIN	OD MAX	HOSE WT. MAX LBS/IN
							MIN	MAX			
-03	.125	.3750-28UNJS-3B	.063	.438	.550	2.070	.450	.550	.125	.395	.005
-04	.250	.4375-24UNJS-3B	.109	.562	.690	2.510	.450	.550	.212	.490	.008
-06	.375	.5625-20UNJS-3B	.188	.688	.960	2.900	.517	.600	.298	.730	.019
-08	.500	.7188-20UNJS-3B	.313	.675	1.200	2.920	.513	.675	.391	.940	.028
-10	.625	.8438-18UNJS-3B	.375	1.000	1.330	3.900	.620	.765	.485	1.090	.036
-12	.750	1.0000-16UNJ-3B	.469	1.125	1.659	4.610	.760	.874	.602	1.405	.060
-14	.875	1.1250-16UNJS-3B	.595	1.259	1.759	4.820	.830	.910	.745	1.625	.075
-16	1.000	1.2500-14UNJS-3B	.719	1.375	1.900	4.960	.890	.950	.852	1.825	.104

FIGURE 2. Hose fitting detail

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NOTES:

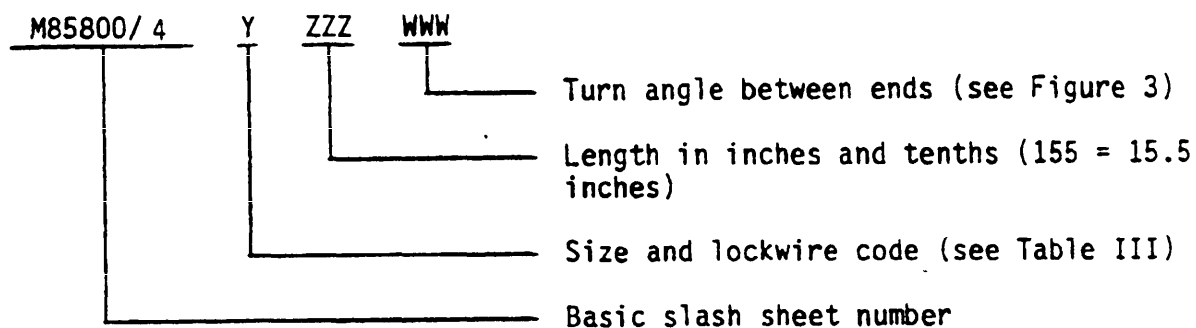
1. Dimensions are in inches.
2. Unless otherwise specified; tolerance are decimals $\pm .010$ inch; angles ± 1 degree.
3. End fittings are to mate with male end per MIL-F-85720/1.
4. Length "L" is measured from outer corner of sealing surface to outer corner of sealing surface. See Table II for available length increments and tolerances.
5. A true circular cross section is not required through the end fitting. However; the ball diameter B listed in Table I shall pass through the hose assemblies.
6. Thread T shall conform with MIL-S-8879.
7. The lockwire holes shall be spaced 180° apart.

TABLE II. HOSE LENGTH INCREMENT

HOSE ASSEMBLY LENGTH	AVAILABLE INCREMENT	TOLERANCE
UNDER 18 INCHES	NOT LESS THAN 0.1 INCH	± 0.100 INCH
18 TO 36 INCHES	NOT LESS THAN 0.2 INCH	± 0.200 INCH
36 TO 50 INCHES	NOT LESS THAN 0.5 INCH	± 0.500 INCH
OVER 50 INCHES	NOT LESS THAN 1 INCH	± 1.000 INCH

8. The part number shall be designated to reflect the base assembly number, size; lockwire code; hose length and angle of orientation. Example of part number:

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TABLE III. HOSE AND LOCKWIRE CODE

CODE	DESIGNATION
A	03 No lockwire
B	03 With lockwire
C	04 No lockwire
D	04 With lockwire
E	06 No lockwire
F	06 With lockwire
G	08 No lockwire
H	08 With lockwire

CODE	DESIGNATION
J	10 No lockwire
K	10 With lockwire
L	12 No lockwire
M	12 With lockwire
N	14 No lockwire
P	14 With lockwire
R	16 No lockwire
T	16 With lockwire

Preparing Activity
NAVY - AS

(Project No. 4720-N005)