

AS1475A

SAE Technical Board rules provide that: "All technical reports, including standards approved and practices recommended, are advisory only. Their use by anyone engaged in industry or trade is entirely voluntary. There is no agreement to adhere to any SAE standard or recommended practice, and no commitment to conform to or be guided by any technical report. In formulating and approving technical reports, the Board and its Committees will not investigate or consider patents which may apply to the subject matter. Prospective users of the report are responsible for protecting themselves against liability for infringement of patents."

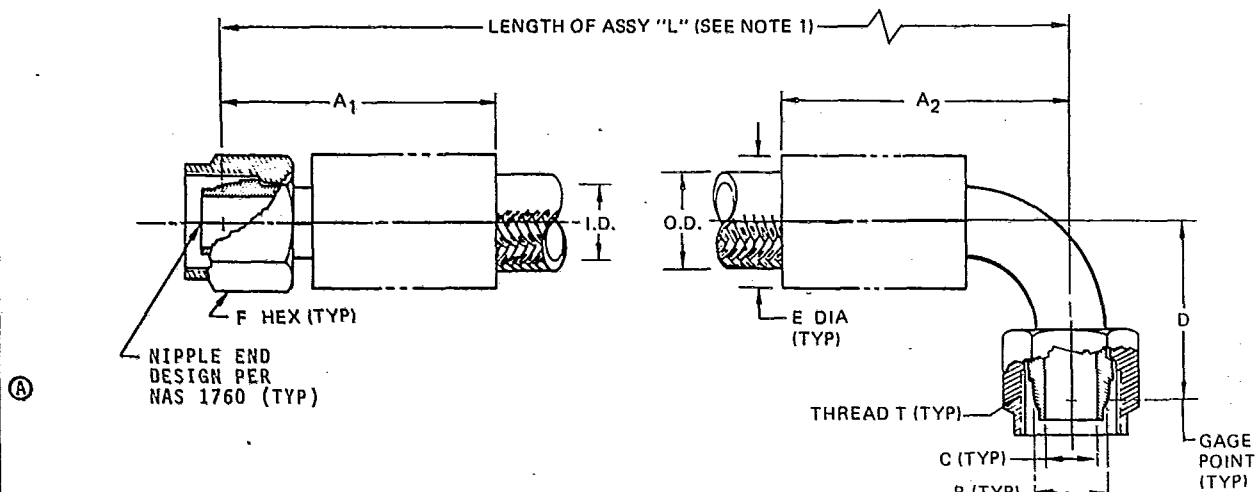


TABLE I
BASIC HOSE AND END FITTING DIMENSIONS

HOSE ASSEMBLY NO. AND SIZE CODE	HOSE ASSY. SIZE (REF)	THREAD T PER MIL-S-8879 (REF)	A ₁ MAX.	A ₂ MAX.	B GAGE DIA. BASIC	C MIN. DIA. THRU [1]	D		E MAX. [2]	F HEX ACROSS FLATS (REF)	HOSE I.D. MIN.	HOSE MIN.	O.D. MAX.
							MIN.	MAX.					
AS1475-04	1/4	.4375-20 UNJF-3B	1.42	1.52	.2930	.174	.62	.70	.67	.56	.235	.35	.39
AS1475-06	3/8	.5625-18 UNJF-3B	1.52	1.85	.4120	.291	.82	.90	.82	.69	.360	.54	.57
AS1475-08	1/2	.7500-16 UNJF-3B	1.87	2.16	.5600	.409	.96	1.04	1.03	.88	.485	.68	.73
AS1475-10	5/8	.8750-14 UNJF-3B	1.95	2.45	.6730	.495	1.18	1.26	1.18	1.00	.610	.81	.86
AS1475-12	3/4	1.0625-12 UNJ-3B	1.99	2.74	.8100	.646	1.31	1.39	1.47	1.25	.735	.93	.98
AS1475-16	1	1.3125-12 UNJ-3B	2.30	3.30	1.0620	.898	1.67	1.75	1.75	1.50	.985	1.20	1.24

TABLE II

LENGTH INCREMENTS AND TOLERANCE

HOSE ASSEMBLY LENGTH	AVAILABLE INCREMENTS	TOLERANCE
UNDER 18 INCHES	(NOT LESS THAN) .125 INCH	(PLUS OR MINUS) .125 INCH
18 TO 36 INCHES	(NOT LESS THAN) .250 INCH	(PLUS OR MINUS) .250 INCH
36 TO 100 INCHES	(NOT LESS THAN) .250 INCH	(PLUS OR MINUS) .375 INCH
100 TO 500 INCHES	(NOT LESS THAN) .500 INCH	(PLUS OR MINUS) 1/2 PERCENT
OVER 500 INCHES	(NOT LESS THAN) 1.000 INCH	(PLUS OR MINUS) 1 PERCENT

TABLE III

HOSE ASSEMBLY WEIGHT INFORMATION

HOSE SIZE (REF)	MAXIMUM WEIGHTS							HOSE LENGTH CORRECTION FACTOR INCH	
	HOSE LBS/INCH	STANDARD END FITTING (LBS) EACH							
		STRAIGHT			90°				
		CODE "D"	CODE "S"	CODE "J"	CODE "D"	CODE "S"	CODE "J"	ST	90°
04	.004	.027		.051	.027		.049	.49	.51
06	.008	.041		.077	.048		.081	.58	.58
08	.011	.068		.123	.079		.125	.59	.70
10	.014	.105		.182	.122		.187	.69	.88
12	.018	.130		.251	.183		.295	.69	1.19
16	.024	.201		.372	.284		.444	.73	1.32

PREPARED BY SAE COMMITTEE G-3, AEROSPACE FITTINGS, HOSE AND TUBING ASSEMBLIES

SAE The Engineering Resource For Advancing Mobility

400 COMMONWEALTH DRIVE WARRENDALE, PA 15096

AEROSPACE STANDARD

HOSE ASSEMBLY, FLEXIBLE, LOW PRESSURE, FLARELESS,
POTABLE WATER STRAIGHT TO 90°

Distributed under license from the IHS Archive

AS1475A

SH 1 of 2

PROBLEM HARD COPY