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REV. C
AS1478™

FEDERAL SUPPLY CLASS

RATIONALE

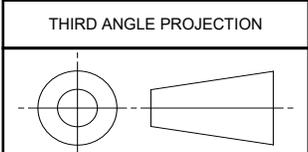
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ISSUED 1979-04 REVISED 1983-03 NONCURRENT 1994-10 REAFFIRMED NONCURRENT 2014-11 STABILIZED 2024-08

CUSTODIAN: G-3		PROCUREMENT SPECIFICATION:	
	AEROSPACE STANDARD		AS1478™
	HOSE ASSEMBLY, FLEXIBLE, LOW PRESSURE, FLARELESS, POTABLE WATER, 90° TO 90°		

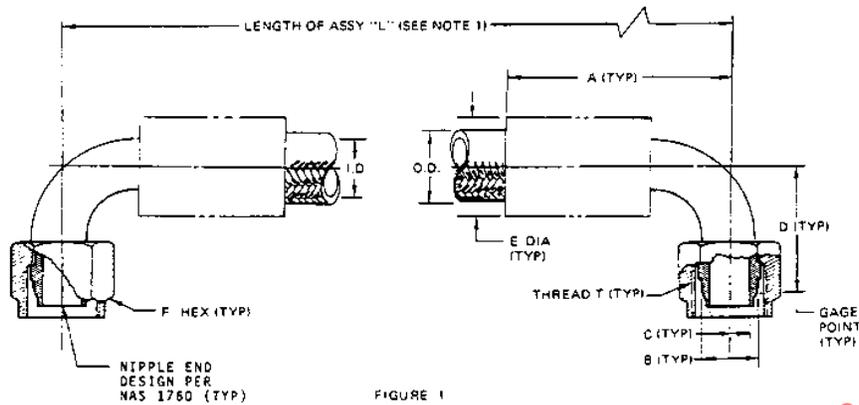


FIGURE 1

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 MAX.	B GAGE DIA. BASIC	C MIN. DIA. THRU (2)	D		E MAX. (3)	F HEX ACROSS FLATS (REF)	HOSE I.D.		HOSE O.D.	
						MIN.	MAX.			MIN.	MAX.	MIN.	MAX.
AS1478E	1/4	.4375-20 UNJF-3B	1.52	.2930	.174	.62	.70	.67	.56	.235	.35	.39	
AS1478G	3/8	.5625-18 UNJF-3B	1.85	.4120	.291	.82	.90	.82	.69	.360	.54	.57	
AS1478H	1/2	.7500-16 UNJF-3B	2.16	.5600	.409	.96	1.04	1.03	.88	.485	.68	.73	
AS1478J	5/8	.8750-14 UNJF-3B	2.45	.6730	.495	1.18	1.26	1.18	1.00	.610	.81	.86	
AS1478K	3/4	1.0625-12 UNJF-3B	2.74	.8100	.646	1.31	1.39	1.47	1.25	.735	.93	.98	
AS1478M	1	1.3125-12 UNJF-3B	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 (4)
	HOSE LBS/INCH	STANDARD END FITTING (LBS) EACH			
		CODE "D"	CODE "S"	CODE "J"	
04	.004	.027		.049	.51
06	.008	.048		.081	.58
08	.011	.079		.125	.70
10	.014	.122		.187	.88
12	.018	.183		.295	1.19
16	.024	.284		.444	1.32

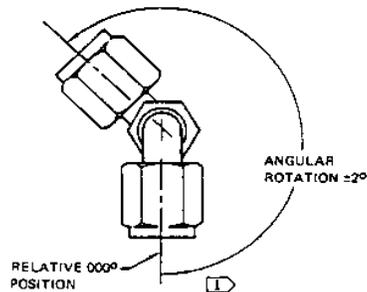


FIGURE II



AEROSPACE STANDARD

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

AS1478™
SHEET 1 OF 2

REV. C