

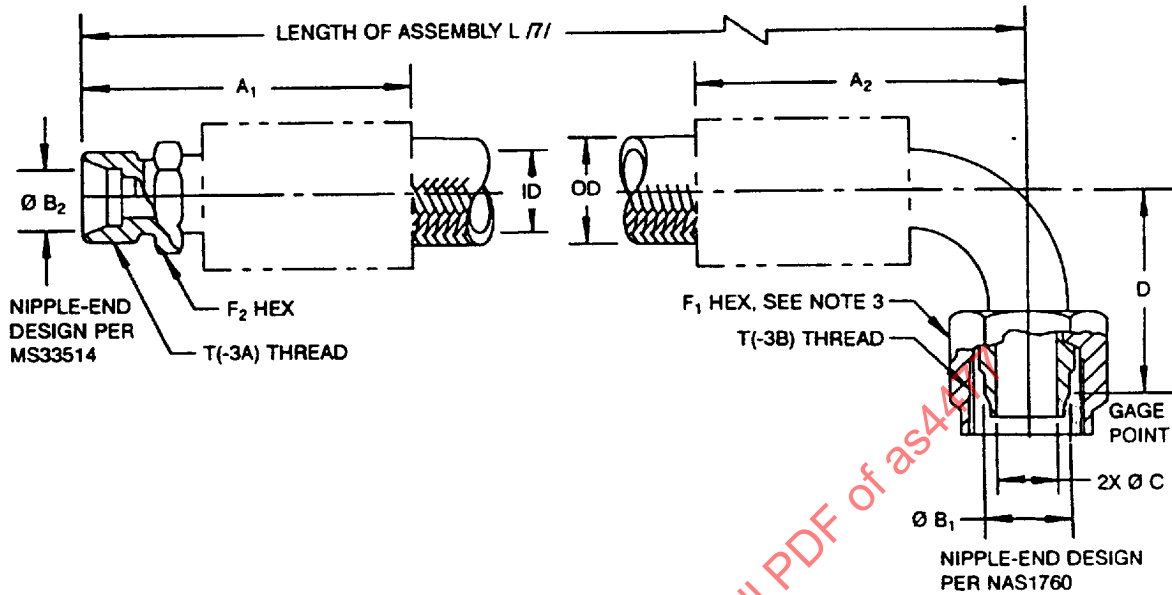
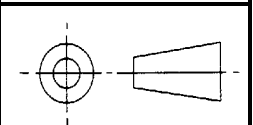


FIGURE 1 - HOSE ASSEMBLY

TABLE 1 - HOSE ASSEMBLY DIMENSIONS

BASIC NO. AND SIZE CODE	HOSE SIZE (REF)	HEX F ₁ (REF)	HEX F ₂ (REF)	ID MIN	OD MIN	OD MAX
AS4477-04	.250	.56	.50	.230	.37	.48
AS4477-06	.375	.69	.62	.355	.53	.59
AS4477-08	.500	.88	.81	.475	.65	.73
AS4477-10	.625	1.00	.94	.600	.81	.85
AS4477-12	.750	1.25	1.12	.725	.94	.98
AS4477-16	1.000	1.50	1.36	.975	1.19	1.23

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3D

PROCUREMENT SPECIFICATION: /6/ AS4468

SAE The Engineering Society
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INTERNATIONAL

400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

HOSE ASSEMBLY, SILICONE LINED,
125 psi, FLARELESS, POTABLE WATER,
STRAIGHT MALE TO 90° FEMALE

AS 4477

SHEET 1 OF 3

ISSUED 1992-05-08 REVISED

TABLE 2 - END FITTING DIMENSIONS

BASIC NO. AND SIZE CODE	THREAD T PER MIL-S-8879 (REF)	A ₁ MAX	A ₂ MAX	B ₁ GAGE	B ₂ GAGE	C MIN THRU	D MIN	D MAX
AS4477-04	.4375-20UNJF-3B/A	1.33	1.24	.2930	.2930	.174	.66	.81
AS4477-06	.5625-18UNJF-3B/A	1.39	1.32	.4120	.4160	.297	.75	.85
AS4477-08	.7500-16UNJF-3B/A	1.48	1.44	.5600	.5600	.419	.99	1.11
AS4477-10	.8750-14UNJF-3B/A	1.66	1.58	.6730	.6860	.544	1.22	1.33
AS4477-12	1.0625-12UNJ-3B/A	1.72	1.89	.8100	.8100	.654	1.38	1.57
AS4477-16	1.3125-12UNJ-3B/A	1.89	2.17	1.0620	1.0620	.909	1.62	1.73

TABLE 3 - LENGTH TOLERANCE

HOSE ASSEMBLY LENGTH	AVAILABLE INCREMENTS	TOLERANCE
UNDER 18	(NOT LESS THAN) .125	+.125/-.125
18 TO 36	(NOT LESS THAN) .250	+.250/-.250
36 TO 100	(NOT LESS THAN) .500	+.375/-.375
100 TO 500	(NOT LESS THAN) 1.000	+.5%/-.500
OVER 500	(NOT LESS THAN) 1.000	+1%/-.500

TABLE 4 - HOSE ASSEMBLY WEIGHT INFORMATION

HOSE SIZE (CODE)	HOSE LB/IN MAX	END FITTING MS33514 LB/EA MAX	END FITTING NAS1760 LB/EA MAX	LENGTH CORRECTION FACTOR, INCH /8/ MS33514	LENGTH CORRECTION FACTOR, INCH /8/ NAS1760
04	.005	.034	.051	.68	.59
06	.007	.048	.081	.74	.62
08	.008	.078	.125	.83	.75
10	.012	.118	.187	.96	.93
12	.014	.158	.295	1.02	1.24
16	.019	.247	.444	1.07	1.36