

RATIONALE

AS4477B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

REV.
B

SAE AS4477

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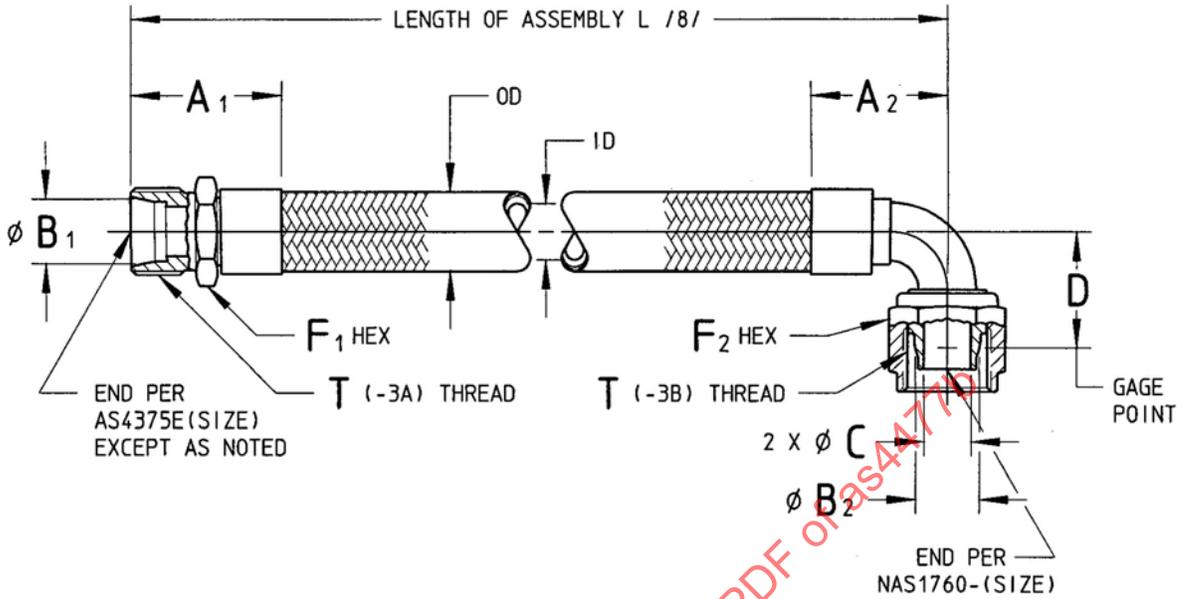


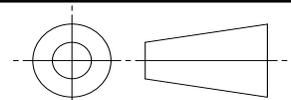
FIGURE 1 - HOSE ASSEMBLY

TABLE 1 - HOSE ASSEMBLY DIMENSIONS

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

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS4477B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS4468 /2/

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

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

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TABLE 2 - END FITTING DIMENSIONS

BASIC NO. AND SIZE CODE	THREAD T PER AS8879 (REF)	A ₁ MAX	A ₂ MAX	B ₂ GAGE	B ₁ GAGE	C (REF)	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	.291	.75	.85
AS4477-08	.7500-16UNJF-3B/A	1.48	1.44	.5600	.5600	.409	.98	1.11
AS4477-10	.8750-14UNJF-3B/A	1.66	1.58	.6730	.6860	.495	1.21	1.33
AS4477-12	1.0625-12UNJ-3B/A	1.87	2.05	.8100	.8100	.646	1.37	1.57
AS4477-16	1.3125-12UNJ-3B/A	1.89	2.17	1.0620	1.0620	.872	1.62	1.76

TABLE 3 - LENGTH TOLERANCE

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

TABLE 4 - HOSE ASSEMBLY WEIGHT INFORMATION

HOSE SIZE CODE	HOSE LB/IN NOM (REF)	END FITTING LB/EA AS4375 NOM (REF)	END FITTING LB/EA NAS1766 NOM (REF)	HOSE LENGTH CORRECTION FACTOR, INCH /9/ AS4375	HOSE LENGTH CORRECTION FACTOR, INCH /9/ NAS1766
04	.0038	.029	.050	.73	.61
06	.0064	.043	.077	.77	.64
08	.0081	.075	.125	.90	.77
10	.0111	.102	.176	.99	.95
12	.0137	.177	.295	1.09	1.26
16	.0182	.241	.419	1.13	1.39

NOTES:

- MATERIAL AND FINISH: PER AS4468, TABLE 1. ALL FITTING COMPONENTS 300 SERIES CORROSION RESISTANT STEEL, PASSIVATED.
- PROCUREMENT SPECIFICATION: AS4468 EXCEPT AS SPECIFIED ON THIS STANDARD. PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED AND ASSEMBLED BY AN ACCREDITED MANUFACTURER OR ASSEMBLED BY AN ACCREDITED DISTRIBUTOR LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST (QPL) PRI QPL AS4468 FOR THIS STANDARD. SEE www.eauditnet.com FOR CURRENT QPL ON LINE.
- INTENDED USE: THESE HOSE ASSEMBLIES ARE INTENDED FOR USE IN POTABLE WATER SYSTEM INSTALLATIONS WHERE A HIGH DEGREE OF FLEXIBILITY IS REQUIRED.
- IDENTIFICATION: PER AS4468.

 An SAE International Group	AEROSPACE STANDARD	SAE AS4477 SHEET 2 OF 3	REV. B
	HOSE ASSEMBLY, LINED SILICONE, 125 PSI, FLARELESS, POTABLE WATER, STRAIGHT MALE TO 90° FEMALE		