

REV.
B

SAE AS4470

FEDERAL SUPPLY CLASS
4720

RATIONALE

AS4470B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

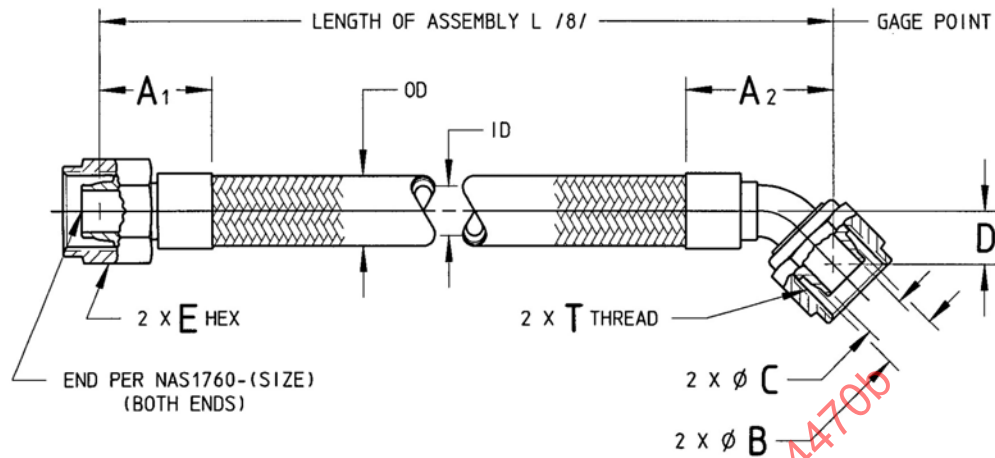


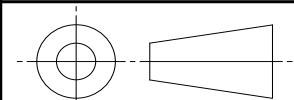
FIGURE 1 - HOSE ASSEMBLY

TABLE 1 - HOSE ASSEMBLY DIMENSIONS

BASIC NO. AND SIZE CODE	HOSE SIZE (REF)	THREAD T PER AS8879 (REF)	E HEX ACROSS FLATS (REF)	ID (REF)	OD MIN	OD MAX
AS4470-04	.250	.4375-20UNJF-3B	.56	.250	.37	.48
AS4470-06	.375	.5625-18UNJF-3B	.69	.375	.53	.59
AS4470-08	.500	.7500-16UNJF-3B	.88	.500	.65	.73
AS4470-10	.625	.8750-14UNJF-3B	1.00	.625	.81	.85
AS4470-12	.750	1.0625-12UNJ-3B	1.25	.750	.94	.98
AS4470-16	1.000	1.3125-12UNJ-3B	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/AS4470B>

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 TO 45°

SAE AS4470
SHEET 1 OF 3

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TABLE 2 - END FITTING DIMENSIONS

BASIC NO. AND SIZE CODE	A ₁ MAX	A ₂ MAX	B GAGE	C (REF)	D MIN	D MAX
AS4470-04	1.18	1.44	.2930	.174	.34	.44
AS4470-06	1.27	1.56	.4120	.291	.42	.57
AS4470-08	1.28	1.64	.5600	.409	.49	.61
AS4470-10	1.38	1.83	.6730	.495	.59	.71
AS4470-12	1.53	2.19	.8100	.646	.61	.77
AS4470-16	1.57	2.42	1.0620	.898	.74	.85

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 STRAIGHT NOM (REF)	END FITTING LB/EA 45° NOM (REF)	HOSE LENGTH CORRECTION FACTOR, INCH /9/ STRAIGHT	HOSE LENGTH CORRECTION FACTOR, INCH /9/ 45°
04	.0038	.048	.049	.55	.81
06	.0064	.074	.075	.64	.93
08	.0081	.112	.120	.65	1.01
10	.0111	.151	.167	.75	1.20
12	.0137	.267	.281	.74	1.41
16	.0182	.358	.399	.78	1.63

NOTES:

1. MATERIAL AND FINISH: PER AS4468, TABLE 1. ALL FITTING COMPONENTS 300 SERIES CORROSION RESISTANT STEEL, PASSIVATED.
2. 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.
3. INTENDED USE: THESE HOSE ASSEMBLIES ARE INTENDED FOR USE IN POTABLE WATER SYSTEM INSTALLATIONS WHERE A HIGH DEGREE OF FLEXIBILITY IS REQUIRED.
4. IDENTIFICATION: PER AS4468.