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REV.
B

SAE AS4473

FEDERAL SUPPLY CLASS
4720

RATIONALE

AS4473B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

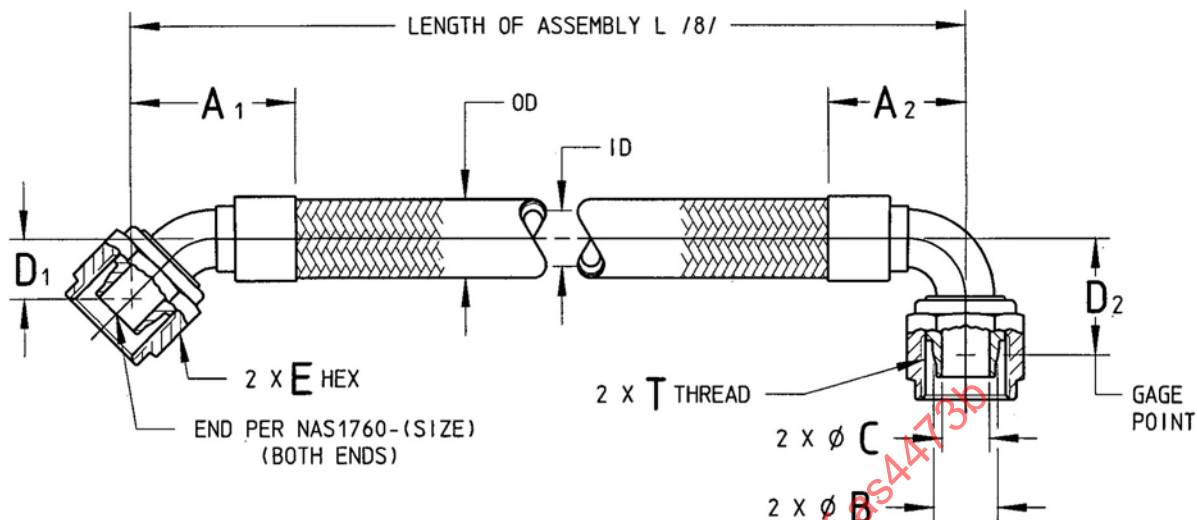


FIGURE 1 - HOSE ASSEMBLY

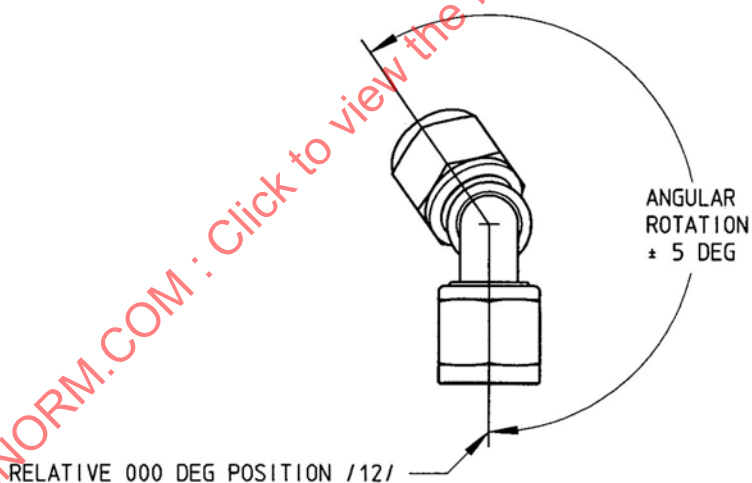
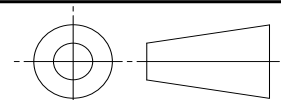


FIGURE 2 - FITTING ANGULAR ORIENTATION

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on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS4473B>

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,
45° TO 90°

SAE AS4473
SHEET 1 OF 4

REV.
B

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
AS4473E	.250	.4375-20UNJF-3B	.56	.250	.37	.48
AS4473G	.375	.5625-18UNJF-3B	.69	.375	.53	.59
AS4473H	.500	.7500-16UNJF-3B	.88	.500	.65	.73
AS4473J	.625	.8750-14UNJF-3B	1.00	.625	.81	.85
AS4473K	.750	1.0625-12UNJ-3B	1.25	.750	.94	.98
AS4473M	1.000	1.3125-12UNJ-3B	1.50	1.000	1.19	1.23

TABLE 2 - END FITTING DIMENSIONS

BASIC NO. AND SIZE CODE	HOSE ASSY SIZE (REF)	A ₁ MAX	A ₂ MAX	B GAGE	C (REF)	D ₁ MIN	D ₁ MAX	D ₂ MIN	D ₂ MAX
AS4473E	.250	1.44	1.24	.2930	.174	.34	.44	.66	.81
AS4473G	.375	1.56	1.32	.4120	.291	.42	.57	.75	.85
AS4473H	.500	1.64	1.44	.5600	.409	.49	.61	.98	1.11
AS4473J	.625	1.83	1.58	.6730	.495	.59	.71	1.21	1.33
AS4473K	.750	2.19	2.05	.8100	.646	.61	.77	1.37	1.57
AS4473M	1.000	2.42	2.17	1.0620	.898	.74	.85	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 45° NOM (REF)	END FITTING LB/EA 90° NOM (REF)	HOSE LENGTH CORRECTION FACTOR, INCH /9/ 45°	HOSE LENGTH CORRECTION FACTOR, INCH /9/ 90°
E	.0038	.049	.050	.81	.61
G	.0064	.075	.077	.93	.64
H	.0081	.120	.125	1.01	.77
J	.0111	.167	.176	1.20	.95
K	.0137	.281	.295	1.41	1.26
M	.0182	.399	.419	1.63	1.39

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.
5. OPERATING CHARACTERISTICS:
 - a. OPERATING TEMPERATURE: -65 TO +160 °F (-54 TO +71 °C).
 - b. OPERATING PRESSURE: 125 PSI MAX
6. FUNCTIONAL TEST AND CLEANING: PER AS4468.
7. CONSTRUCTION: PER AS4468.
- /8/ LENGTH "L" IS A FOUR-DIGIT NUMBER OF WHICH THE FIRST THREE DIGITS DESCRIBE THE HOSE ASSEMBLY LENGTH IN WHOLE INCHES, AND THE FOURTH DIGIT THE FRACTION OF AN INCH IN EIGHTHS. LENGTH "L" IS MEASURED FROM "GAGE POINT" TO "GAGE POINT". SEE TABLE 3 FOR LENGTH TOLERANCES.
- /9/ HOSE WEIGHT PLUS EACH END FITTING WEIGHT EQUALS HOSE ASSEMBLY WEIGHT. FOR DETERMINING HOSE WEIGHT, DEDUCT APPROPRIATE LENGTH CORRECTION FACTOR FROM EACH END OF THE ASSEMBLY LENGTH.
10. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994.
11. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ± 0.010 , ANGULAR DIMENSIONS $\pm 2^\circ$.
- /12/ THE ANGULAR ROTATION OF THE END FITTINGS IS SPECIFIED BY A THREE-DIGIT NUMBER DEFINING THE RELATIVE POSITION OF THE END FITTINGS IN 1° INCREMENTS (EXAMPLE 090 = 90°). FITTING ORIENTATION SHALL BE MEASURED COUNTERCLOCKWISE FROM THE NEAREST END FITTING, WHICH SHALL BE IN THE RELATIVE 000° POSITION (SEE FIGURE 2). WHEN FITTINGS ARE TO BE ALIGNED IN THE SAME PLANE, THIS DASH NUMBER SHALL BE 000.

 An SAE International Group	AEROSPACE STANDARD	SAE AS4473 SHEET 3 OF 4	REV. B
	HOSE ASSEMBLY, LINED SILICONE, 125 PSI, FLARELESS, POTABLE WATER, 45° TO 90°		