

REV.
A

AS4475

FEDERAL SUPPLY CLASS
4720

RATIONALE

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

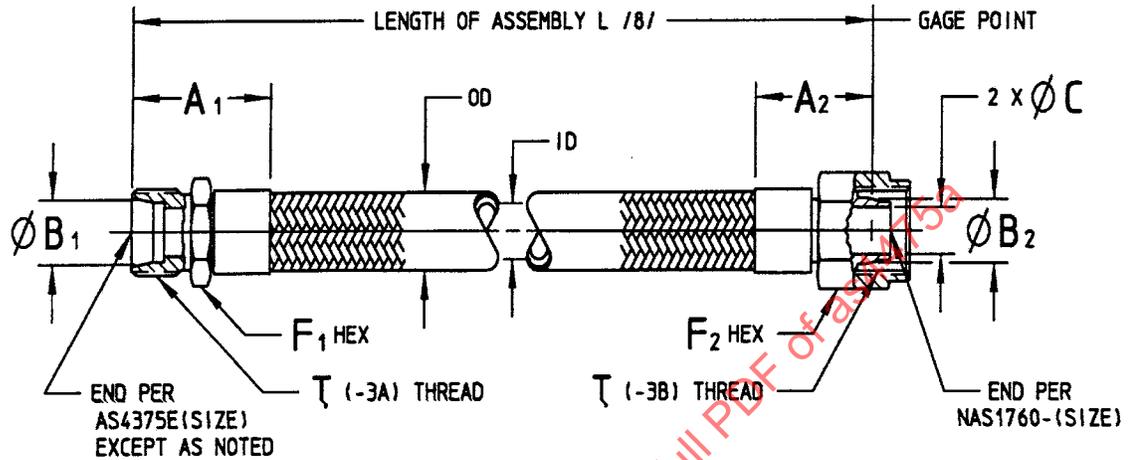
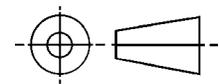


FIGURE 1 - HOSE ASSEMBLY

TABLE 1 - HOSE ASSEMBLY DIMENSIONS

BASIC NO. AND SIZE CODE	HOSE SIZE (REF)	C MIN THRU	F ₁ HEX ACROSS FLATS (REF)	F ₂ HEX ACROSS FLATS (REF)	ID (REF)	OD MIN	OD MAX
AS4475-04	.250	.174	.50	.56	.250	.37	.48
AS4475-06	.375	.291	.62	.69	.375	.53	.59
AS4475-08	.500	.409	.81	.88	.500	.65	.73
AS4475-10	.625	.495	.94	1.00	.625	.81	.85
AS4475-12	.750	.646	1.12	1.25	.750	.94	.98
AS4475-16	1.000	.898	1.36	1.50	1.000	1.19	1.23

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3D

PROCUREMENT SPECIFICATION: AS4468 /2/

SAE Aerospace
An SAE International Group

(R)

AEROSPACE STANDARD

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

AS4475
SHEET 1 OF 3

REV. A

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

Copyright 2007 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Fax: 724-776-0790

Tel: 724-776-4970 (outside USA)

Email: CustomerService@sae.org

SAE WEB ADDRESS: http://www.sae.org

ISSUED 1992-05 REVISED 2001-08 REAFFIRMED 2007-01

REV.
A

AS4475

TABLE 2 – END FITTING DIMENSIONS

BASIC NO. AND SIZE CODE	THREAD T PER AS8879 (REF)	A ₂ MAX	A ₁ MAX	B ₂ GAGE	B ₁ GAGE
AS4475-04	.4375-20UNJF-3B/A	1.18	1.33	.2930	.2930
AS4475-06	.5625-18UNJF-3B/A	1.27	1.39	.4120	.4160
AS4475-08	.7500-16UNJF-3B/A	1.28	1.48	.5600	.5600
AS4475-10	.8750-14UNJF-3B/A	1.38	1.66	.6730	.6860
AS4475-12	1.0625-12UNJ-3B/A	1.53	1.87	.8100	.8100
AS4475-16	1.3125-12UNJ-3B/A	1.57	1.89	1.0620	1.0620

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	END FITTING	HOSE LENGTH	HOSE LENGTH
		lb/EA NAS1760 NOM (REF)	lb/EA AS4375 NOM (REF)	CORRECTION FACTOR, in /9/ NAS1760	CORRECTION FACTOR, in /9/ AS4375
04	.0038	.048	.028	.53	.68
06	.0064	.073	.043	.62	.74
08	.0081	.112	.075	.63	.83
10	.0111	.150	.102	.73	.96
12	.0137	.265	.177	.72	1.02
16	.0182	.356	.241	.76	1.07