

SAE Executive Standards Committee 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 revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

REV.
D

AS4476™

FEDERAL SUPPLY CLASS
4720

RATIONALE

END DESIGN CALLOUT REVISED TO INCLUDE "EXCEPT AS NOTED." DIA C VALUES REVISED FROM A REFERENCE DIMENSION TO A DIMENSION SHOWING LOWER LIMITS OF NAS1760 AND MAXIMUM ALLOWABLE VALUES FROM TABLE 2 OF PROCUREMENT SPECIFICATION, AS4468. NEW FLAG NOTES /14/ AND /15/ ADDED. PROCUREMENT SPECIFICATION NOTE UPDATED. THREAD SIZE COLUMN IN TABLE 1 SEPARATED INTO TWO DISTINCT COLUMNS BASED ON CLASS TYPE.

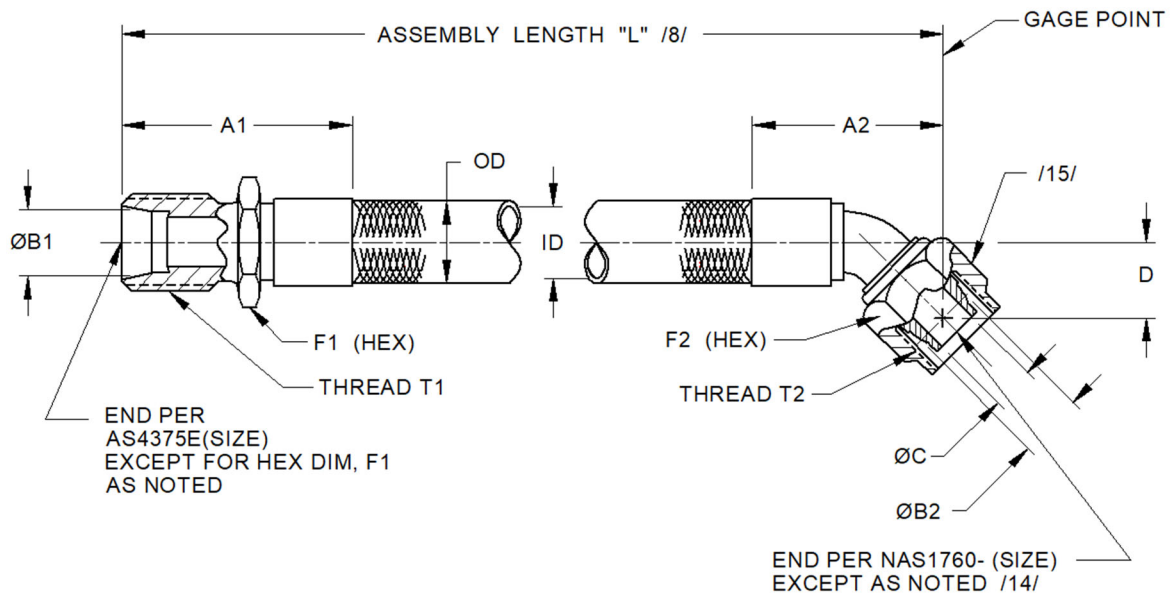


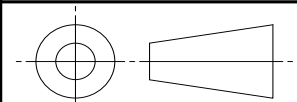
FIGURE 1 - HOSE ASSEMBLY

TABLE 1 - HOSE ASSEMBLY DIMENSIONS

BASIC NO. AND SIZE CODE	HOSE SIZE REF	THREAD T1 PER AS8879 CLASS 3A REF	THREAD T2 PER AS8879 CLASS 3B REF	F1 HEX ACROSS FLATS	F2 HEX ACROSS FLATS REF	ID REF	OD MIN	OD MAX
AS4476-04	.250	.4375-20 UNJF	.4375-20 UNJF	.500	.559	.250	.37	.48
AS4476-06	.375	.5625-18 UNJF	.5625-18 UNJF	.625	.685	.375	.53	.59
AS4476-08	.500	.7500-16 UNJF	.7500-16 UNJF	.812	.872	.500	.65	.73
AS4476-10	.625	.8750-14 UNJF	.8750-14 UNJF	.938	.997	.625	.81	.85
AS4476-12	.750	1.0625-12 UNJ	1.0625-12 UNJ	1.125	1.246	.750	.94	.98
AS4476-16	1.000	1.3125-12 UNJ	1.3125-12 UNJ	1.375	1.497	1.000	1.19	1.23

For more information on this standard, visit
<https://www.sae.org/standards/content/AS4476D/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS4468 /2/



AEROSPACE STANDARD

HOSE ASSEMBLY, LINED SILICONE,
125 PSI, FLARELESS, POTABLE WATER,
STRAIGHT MALE TO 45° FEMALE

AS4476™
SHEET 1 OF 3

REV.
D

Documents

Copyright © 2026 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, or used for text and data mining, AI training, or similar technologies, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 1-877-606-7323 (U.S. and Canada only)

Fax: 724-776-0790

Tel: 1-724-776-4970 (outside U.S. and Canada)

Email: CustomerService@sae.org

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

TABLE 2 - END FITTING DIMENSIONS

BASIC NO. AND SIZE CODE	A1 MAX	A2 MAX	B1 GAGE REF	B2 GAGE REF	C	D MIN	D MAX
AS4476-04	1.33	1.44	.2930	.2930	.174-.194	.34	.44
AS4476-06	1.39	1.56	.4160	.4120	.291-.291	.42	.57
AS4476-08	1.48	1.64	.5600	.5600	.409-.440	.49	.61
AS4476-10	1.66	1.83	.6860	.6730	.495-.567	.59	.71
AS4476-12	1.87	2.19	.8100	.8100	.646-.676	.61	.77
AS4476-16	1.89	2.42	1.0620	1.0620	.872-.927	.74	.85

TABLE 3 - LENGTH TOLERANCE

HOSE ASSEMBLY LENGTH	PREFERRED INCREMENTS	TOLERANCE
UNDER 18 INCHES	(NOT LESS THAN) .125	+.125/- .125
18 TO 36 INCHES EXCLUSIVE	(NOT LESS THAN) .250	+.250/- .250
36 TO 100 INCHES EXCLUSIVE	(NOT LESS THAN) .500	+.375/- .375
100 INCHES 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 NAS1760 NOM REF	END FITTING LB/EA AS4375 NOM REF	HOSE LENGTH CORRECTION FACTOR, INCHES /9/ NAS1760	HOSE LENGTH CORRECTION FACTOR, INCHES /9/ AS4375
04	.0038	.029	.049	.73	.81
06	.0064	.043	.075	.77	.93
08	.0081	.075	.120	.90	1.01
10	.0111	.102	.167	.99	1.20
12	.0137	.177	.281	1.09	1.41
16	.0182	.241	.399	1.13	1.63

NOTES:

- MATERIAL AND FINISH: PER AS4468, TABLE 1. ALL FITTING COMPONENTS 300 SERIES CORROSION-RESISTANT STEEL, PASSIVATED.
- PROCUREMENT SPECIFICATION: AS4468, EXCEPT AS SPECIFIED IN THIS STANDARD. PRODUCT MANUFACTURED AND ASSEMBLED TO THIS STANDARD SHALL MEET THE REQUIREMENTS SPECIFIED HEREIN AND THE PROCUREMENT SPECIFICATION. ORIGINAL COMPONENT MANUFACTURERS (OCM) AND VALUE-ADDED DISTRIBUTORS (VAD) SHALL BE LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST (QPL) PRI-QPL-AS4468 FOR THIS STANDARD. REFER TO www.eAuditNet.com FOR CURRENT QPL ONLINE.
- 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.
- OPERATING CHARACTERISTICS:
 - OPERATING TEMPERATURE: -65 TO +160 °F (-54 TO +71 °C)
 - OPERATING PRESSURE: 125 PSI MAX
- FUNCTIONAL TEST AND CLEANING: PER AS4468.
- CONSTRUCTION: PER AS4468.

	AEROSPACE STANDARD	AS4476™ SHEET 2 OF 3	REV. 1
	HOSE ASSEMBLY, LINED SILICONE, 125 PSI, FLARELESS, POTABLE WATER, STRAIGHT MALE TO 45° FEMALE		


Documents

Document Sharing Hub