

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.

REV.  
A

AS4472

FEDERAL SUPPLY CLASS  
4720

#### RATIONALE

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

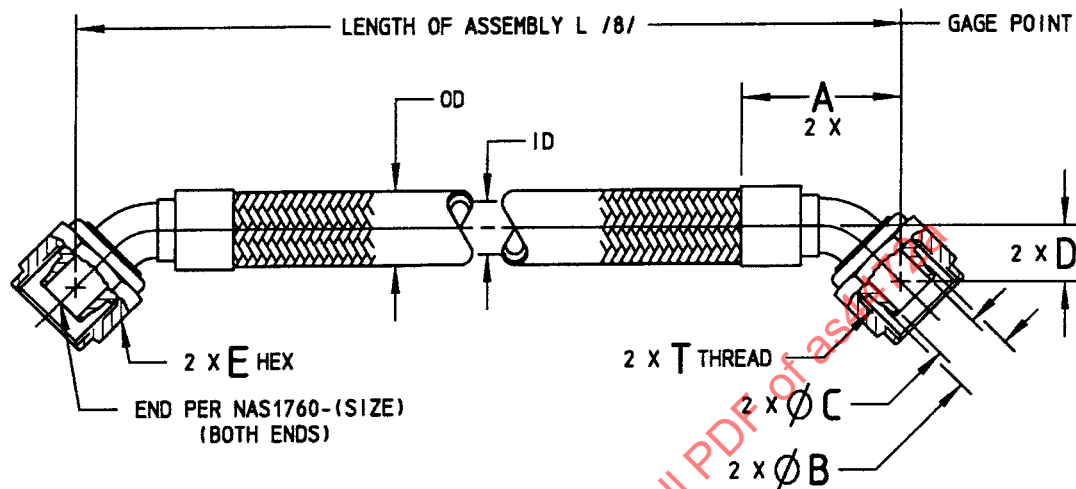


FIGURE 1 - HOSE ASSEMBLY

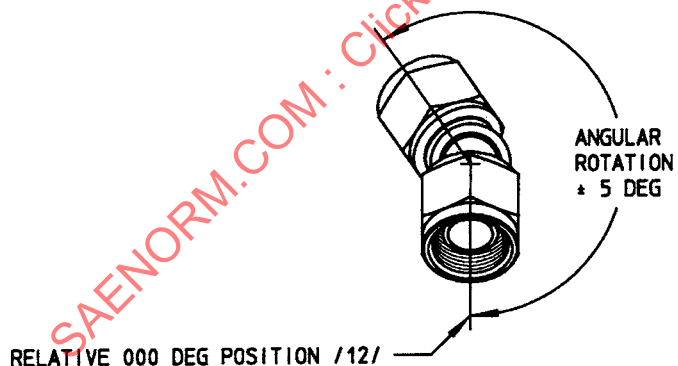
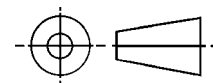


FIGURE 2 - FITTING ANGULAR ORIENTATION

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,  
45° TO 45°

**AS4472**  
SHEET 1 OF 3

**REV.  
A**

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

AS4472

TABLE 1 – HOSE ASSEMBLY DIMENSIONS

| BASIC NO.<br>AND<br>SIZE CODE | HOSE<br>SIZE<br>(REF) | THREAD T PER<br>AS8879 (REF) | E HEX<br>ACROSS<br>FLATS<br>(REF) | ID<br>(REF) | OD<br>MIN | OD<br>MAX |
|-------------------------------|-----------------------|------------------------------|-----------------------------------|-------------|-----------|-----------|
| AS4472E                       | .250                  | .4375-20UNJF-3B              | .56                               | .250        | .37       | .48       |
| AS4472G                       | .375                  | .5625-18UNJF-3B              | .69                               | .375        | .53       | .59       |
| AS4472H                       | .500                  | .7500-16UNJF-3B              | .88                               | .500        | .65       | .73       |
| AS4472J                       | .625                  | .8750-14UNJF-3B              | 1.00                              | .625        | .81       | .85       |
| AS4472K                       | .750                  | 1.0625-12UNJ-3B              | 1.25                              | .750        | .94       | .98       |
| AS4472M                       | 1.000                 | 1.3125-12UNJ-3B              | 1.50                              | 1.000       | 1.19      | 1.23      |

TABLE 2 – END FITTING DIMENSIONS

| BASIC NO.<br>AND<br>SIZE CODE | A<br>MAX | B<br>GAGE | C MIN<br>THRU | D<br>MIN | D<br>MAX |
|-------------------------------|----------|-----------|---------------|----------|----------|
| AS4472E                       | 1.44     | .2930     | .174          | .35      | .44      |
| AS4472G                       | 1.56     | .4120     | .291          | .43      | .57      |
| AS4472H                       | 1.64     | .5600     | .409          | .50      | .61      |
| AS4472J                       | 1.83     | .6730     | .495          | .59      | .71      |
| AS4472K                       | 2.19     | .8100     | .646          | .62      | .77      |
| AS4472M                       | 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<br>SIZE<br>CODE | HOSE<br>lb/in<br>NOM (REF) | END FITTING<br>lb/EA<br>NOM (REF) | HOSE LENGTH<br>CORRECTION<br>FACTOR,<br>in /9/ |
|----------------------|----------------------------|-----------------------------------|------------------------------------------------|
| E                    | .0038                      | .049                              | .79                                            |
| G                    | .0064                      | .075                              | .91                                            |
| H                    | .0081                      | .120                              | .99                                            |
| J                    | .0111                      | .167                              | 1.18                                           |
| K                    | .0137                      | .281                              | 1.39                                           |
| M                    | .0182                      | .399                              | 1.60                                           |