

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

REV.
A

SAE AS4352

FEDERAL SUPPLY CLASS
4720

RATIONALE

AS4352A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

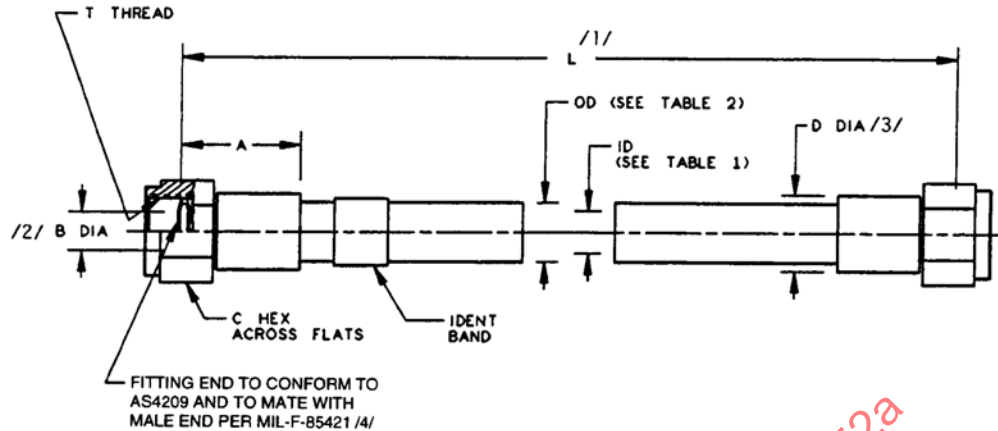


FIGURE 1A

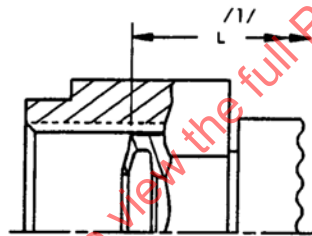


FIGURE 1B
(ENLARGED VIEW)

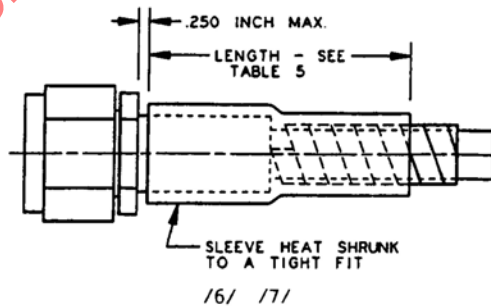
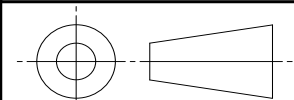


FIGURE 2

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS4352A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS604

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE,
CRES REINFORCED, 400 °F, 3000 psi, HEAVYWEIGHT,
BEAM SEAL, STRAIGHT TO STRAIGHT

SAE AS4352
SHEET 1 OF 5

REV.
A

Copyright 2013 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: +1 724-776-4970 (outside USA)
Email: CustomerService@sae.org

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

ISSUED 1991-06 REVISED 1996-03 REAFFIRMED 2013-01

**SLEEVE
CODE**

SLEEVE CODE	HOSE ASSEMBLY NO. AND SIZE CODE	THREAD T PER MIL-S-8879	I.D. MIN	A MAX	B BALL SIZE MIN THRU DIA /2/		B BALL SIZE MIN THRU DIA /2/	C HEX REF	D /3/ DIA MAX WITHOUT SLEEVING
					DASH NO.	IN			
	AS4352-04	.4375 - 24UNJS-3B	.212	1.53	4807	.109	.56	.88	
	AS4352-06	.5625 - 20UNJS-3B	.298	1.68	4812	.188	.69	1.00	
	AS4352-08	.7188 - 20UNJS-3B	.391	1.80	4816	.313	.88	1.20	
	AS4352-10	.8438 - 18UNJS-3B	.485	2.06	4818	.375	1.00	1.41	
	AS4352-12	1.0000 - 16UNJ-3B	.602	2.15	4821	.469	1.125	1.69	
	AS4352-16	1.2500 - 14UNJS-3B	.852	2.62	4829	.719	1.50	2.00	
	AS4352-20 /15/	1.5781 - 14UNJS-3B	1.101	2.52	4834	.875	1.875	2.10	

TABLE 2														
SLEEVE CODE	SLEEVE MATERIAL	TEMP. LIMIT °F	HOSE OR SLEEVE		HOSE OR SLEEVE		HOSE OR SLEEVE		HOSE OR SLEEVE		HOSE OR SLEEVE		HOSE OR SLEEVE	
			DIAMETER (MAX-MIN) /5/	HOSE SIZE /5/	DIAMETER (MAX-MIN) /5/	HOSE SIZE /5/	DIAMETER (MAX-MIN) /5/	HOSE SIZE /5/	DIAMETER (MAX-MIN) /5/	HOSE SIZE /5/	DIAMETER (MAX-MIN) /5/	HOSE SIZE /5/		
-	(-) INDICATES HOSE ONLY, NO SLEEVE	400	.485/.395	.595/.535	.735/.675	.935/.875	1.090/.030	1.410/.350						
A	ABRASION SLEEVE TUBULAR (TFE-AS1291-CODE B) /6/	400	.540/.468	.715/.615	.855/.770	1.025/.960	1.195/.125	1.515/.445						
B	ABRASION SLEEVE COIL (NYLON AS1294) /7/	275	.509/.413	.684/.584	.809/.721	1.005/.906	1.170/.1062	1.492/.1257						
C	FIRE SLEEVE (AS1072 SIL-FG) (15 min) /8/ /9/ /13/	400	.808/.562	.875/.750	1.058/.875	1.250/.125	1.495/.1250	1.750/.1590						
E	ABRASION SLEEVE SHRINK-ON (FEP) /11/	350	.520/.417	.655/.592	.797/.727	.995/.927	1.160/.1086	1.450/.1251						
F	ABRASION SLEEVE SHRINK-ON (POLYOLEFIN AS1073 - CODE B) /11/	275	.520/.440	.670/.590	.795/.731	.997/.920	1.174/.1086	1.482/.1251						
G	FIRE SLEEVE (AS1072 SIL-FG) (5 min) /8/ /9/ /12/	400	.808/.562	.875/.750	1.058/.875	1.250/.125	1.495/.1250	1.750/.1590						
H	FIRE SLEEVE INTEGRAL SILICONE (15 min) /13/ /14/	400	.700/.640	.880/.820	1.000/.940	1.203/.143	1.343/.1283	1.656/.1596						
J	FIRE SLEEVE INTEGRAL SILICONE (5 min) /12/	400	.705/.645	.880/.820	1.005/.945	1.217/.143	1.382/.1280	1.748/.1593						
K	INTEGRAL ABRASION SLEEVE (BRAIDED) POLYESTER /10/	300	.505/.480	.675/.645	.795/.765	.985/.955	1.150/.1120	1.470/.1440						
L	ABRASION SLEEVE COIL (PTFE-AS1293) /7/	400	.522/.449	.692/.605	.831/.747	1.015/.937	1.172/.1086	1.492/.1281						

TABLE 3

HOSE ASSEMBLY LENGTH	AVAILABLE INCREMENTS	TOLERANCE
UNDER 18 in	(NOT LESS THAN) .125 in	±.125 in
18 TO 36 in	(NOT LESS THAN) .250 in	±.250 in
36 TO 50 in	(NOT LESS THAN) .500 in	±.500 in
OVER 50 in	(NOT LESS THAN) 1.000 in	±1%

TABLE 4

HOSE OR SLEEVE CODE	HOSE OR TYPE SLEEVE	UNITS	MAXIMUM WEIGHT LB/IN ¹ HOSE SIZE .250	MAXIMUM WEIGHT LB/IN ¹ HOSE SIZE .375	MAXIMUM WEIGHT LB/IN ¹ HOSE SIZE .500	MAXIMUM WEIGHT LB/IN ¹ HOSE SIZE .625	MAXIMUM WEIGHT LB/IN ¹ HOSE SIZE .750	MAXIMUM WEIGHT LB/IN ¹ HOSE SIZE 1.000	MAXIMUM WEIGHT LB/IN ¹ HOSE SIZE 1.250
-	HOSE ONLY	LB/IN	.012	.028	.040	.062	.086	.140	.154
A	ABRASION SLEEVE (TFE-AS1291-B)	LB/IN	.003	.004	.004	.005	.007	.009	.011
B	ABRASION SLEEVE (NYLON AS1294)	LB/IN	.001	.002	.003	.003	.004	.005	.007
C	FIRESLEEVE (15 min) AS1072	LB/IN	.007	.010	.011	.015	.017	.021	.025
E	ABRASION SLEEVE (FEP)	LB/IN	.002	.003	.003	.005	.006	.007	.009
F	ABRASION SLEEVE (AS1073B)	LB/IN	.002	.003	.003	.004	.005	.006	.008
G	FIRESLEEVE (5 min) AS1072	LB/IN	.007	.010	.011	.015	.017	.021	.025
H	FIRESLEEVE INTEGRAL (15 min) ON HOSE	LB/IN	.022	.042	.056	.081	.102	.154	.190
J	FIRESLEEVE INTEGRAL (5 min) ON HOSE	LB/IN	.022	.042	.056	.081	.102	.154	.190
K	ABRASION SLEEVE POLYESTER WITH HOSE	LB/IN	.013	.028	.039	.060	.082	.130	.160
L	ABRASION SLEEVE (PTFE-AS1293)	LB/IN	.003	.004	.005	.005	.006	.007	.009
NONE	FIRESLEEVE CLAMP ¹	LB/EA	.020	.020	.025	.026	.026	.033	.038
NONE	FITTING END (STRAIGHT) ¹	LB/EA	.085	.115	.170	.260	.375	.540	1.200

¹ FIRESLEEVE CLAMP AND FITTING END ARE IN LB EACH.

TABLE 5

HOSE SIZE	LENGTH (INCHES)
.250	2.00 ± .25
.375	2.00 ± .25
.500	2.50 ± .25
.625	2.50 ± .25
.750	3.00 ± .25
1.000	3.00 ± .25
1.250	3.50 ± .25



SAENORM.COM : Click to view the full PDF of as4352a

AEROSPACE STANDARD

HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE,
CRES REINFORCED, 400 °F, 3000 psi, HEAVYWEIGHT,
BEAM SEAL, STRAIGHT TO STRAIGHT