

REV.
A

SAE AS4352

FEDERAL SUPPLY CLASS
4720

RATIONALE

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

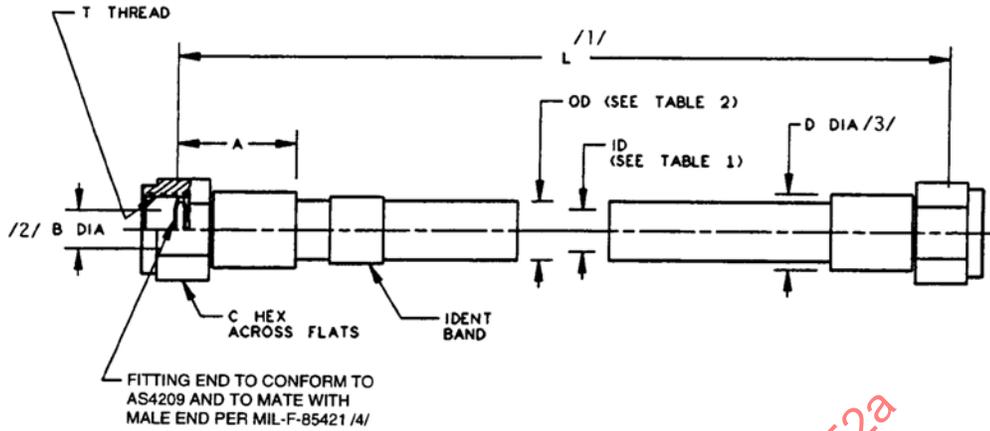


FIGURE 1A

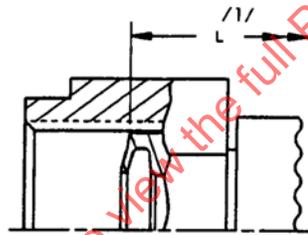


FIGURE 1B
(ENLARGED VIEW)

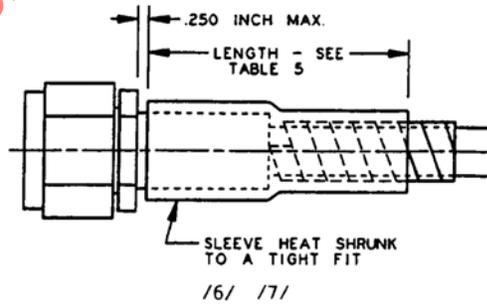
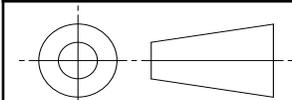


FIGURE 2

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

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

(R) TABLE 1

HOSE ASSEMBLY NO. AND SIZE CODE	THREAD T PER MIL-S-8879 REF	I.D. MIN	A MAX	B		D /3/ DIA MAX WITHOUT SLEEVING
				BALL SIZE MIN THRU DIA /2/ MS19059 DASH NO.	BALL SIZE MIN THRU DIA /2/ DIA IN	
AS4352-04	.4375 - 24UNJS-3B	.212	1.53	.109	.56	.88
AS4352-06	.5625 - 20UNJS-3B	.298	1.68	.188	.69	1.00
AS4352-08	.7188 - 20UNJS-3B	.391	1.80	.313	.88	1.20
AS4352-10	.8438 - 18UNJS-3B	.485	2.06	.375	1.00	1.41
AS4352-12	1.0000 - 16UNJ-3B	.602	2.15	.469	1.125	1.69
AS4352-16	1.2500 - 14UNJS-3B	.852	2.62	.719	1.50	2.00
AS4352-20 /15/	1.5781 - 14UNJS-3B	1.101	2.52	.875	1.875	2.10

TABLE 2

SLEEVE CODE	SLEEVE MATERIAL	TEMP. LIMIT °F	HOSE OR SLEEVE									
			OUTSIDE DIAMETER (MAX-MIN) /5/	HOSE SIZE /5/	OUTSIDE DIAMETER (MAX-MIN) /5/	HOSE SIZE /5/	OUTSIDE DIAMETER (MAX-MIN) /5/	HOSE SIZE /5/	OUTSIDE DIAMETER (MAX-MIN) /5/	HOSE SIZE /5/	OUTSIDE DIAMETER (MAX-MIN) /5/	HOSE SIZE /5/
-	(-) INDICATES HOSE ONLY, NO SLEEVE	400	465/395	.250	.500	.735/675	.935/875	1.090/1.030	1.410/1.350	1.650/1.560		
A	ABRASION SLEEVE TUBULAR (TFE-AS1291-CODE B) /8/	400	.540/468	.375	.855/770	1.025/960	1.195/1.125	1.515/1.445	1.825/1.755			
B	ABRASION SLEEVE COIL (NYLON AS1294) /7/	275	.509/413	.684/594	.809/721	1.005/906	1.170/1.062	1.492/1.257	1.750/1.690			
C	FIRE SLEEVE (AS1072 SIL-FG) (15 min) /8/ /9/ /13/	400	.808/562	.875/750	1.058/875	1.250/1.125	1.495/1.250	1.750/1.590	2.000/1.875			
E	ABRASION SLEEVE SHRINK-ON (PEP) /11/	350	.520/417	.655/592	.797/727	.995/927	1.160/1.086	1.450/1.251	1.688/1.632			
F	ABRASION SLEEVE SHRINK-ON (POLYOLEFIN AS1073 - CODE B) /11/	275	.520/440	.670/590	.795/731	.997/920	1.174/1.086	1.482/1.251	1.740/1.680			
G	FIRE SLEEVE (AS1072 SIL-FG) (5 min) /8/ /9/ /12/	400	.808/562	.875/750	1.058/875	1.250/1.125	1.495/1.250	1.750/1.590	2.000/1.875			
H	FIRE SLEEVE INTEGRAL SILICONE (15 min) /13/ /14/	400	.700/640	.880/820	1.000/940	1.203/1.143	1.343/1.283	1.656/1.596	1.906/1.846			
J	FIRE SLEEVE INTEGRAL SILICONE (5 min) /12/	400	.705/645	.880/820	1.005/945	1.217/1.143	1.382/1.280	1.748/1.593	1.906/1.846			
K	INTEGRAL ABRASION SLEEVE (BRAIDED) POLYESTER /10/	300	.505/480	.675/645	.795/765	.985/955	1.150/1.120	1.470/1.440	1.740/1.680			
L	ABRASION SLEEVE COIL (PTFE-AS1293) /7/	400	.522/449	.692/605	.831/747	1.015/937	1.172/1.086	1.492/1.281	1.750/1.690			

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/N ¹						
			HOSE SIZE						
			.250	.375	.500	.625	.750	1.000	1.250
-	HOSE ONLY	LB/N	.012	.028	.040	.062	.086	.140	.154
A	ABRASION SLEEVE (TFE-AS1291-B)	LB/N	.003	.004	.004	.005	.007	.009	.011
B	ABRASION SLEEVE (NYLON AS1294)	LB/N	.001	.002	.003	.003	.004	.005	.007
C	FIRESLEEVE (15 min) AS1072	LB/N	.007	.010	.011	.015	.017	.021	.025
E	ABRASION SLEEVE (FEP)	LB/N	.002	.003	.003	.005	.006	.007	.009
F	ABRASION SLEEVE (AS1073B)	LB/N	.002	.003	.003	.004	.005	.006	.008
G	FIRESLEEVE (5 min) AS1072	LB/N	.007	.010	.011	.015	.017	.021	.025
H	FIRESLEEVE INTEGRAL (15 min) ON HOSE	LB/N	.022	.042	.056	.081	.102	.154	.190
J	FIRESLEEVE INTEGRAL (5 min) ON HOSE	LB/N	.022	.042	.056	.081	.102	.154	.190
K	ABRASION SLEEVE POLYESTER WITH HOSE	LB/N	.013	.028	.039	.060	.082	.130	.160
L	ABRASION SLEEVE (PTFE-AS1293)	LB/N	.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



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HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE,
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BEAM SEAL, STRAIGHT TO STRAIGHT