

AS4355

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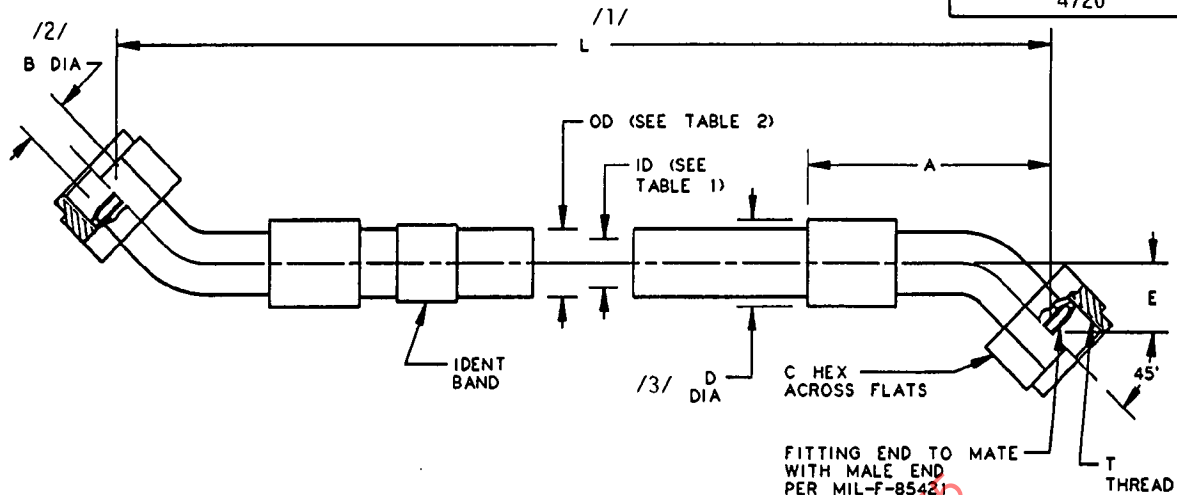


FIGURE 1A

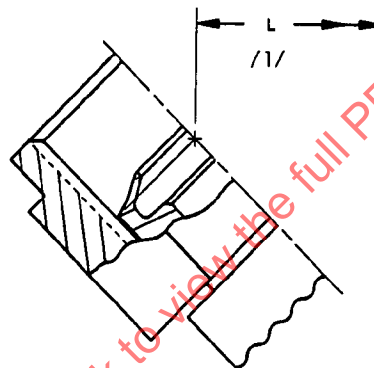


FIGURE 1B
(ENLARGED VIEW)

TABLE 1

HOSE ASSEMBLY NO. AND SIZE CODE	SIZE REF.	THREAD T PER MIL-S-8879 REF.	I.D. MIN.	A MAX.	B BALL SIZE MIN THRU DIA /2/ MS19059 DASH NO.	B BALL SIZE MIN THRU DIA /2/ DIA. IN.	C HEX. REF.	D /3/ DIA. MAX. WITHOUT SLEEVING	E MIN.	E MAX.
AS4355E	0.250	0.4375 - 24UNJS-3B	0.212	2.31	4807	0.109	0.56	0.88	0.450	0.550
AS4355G	0.375	0.5625 - 20UNJS-3B	0.298	2.59	4812	0.188	0.69	1.00	0.517	0.600
AS4355H	0.500	0.7188 - 20UNJS-3B	0.391	2.92	4816	0.313	0.88	1.20	0.513	0.675
AS4355J	0.625	0.8438 - 18UNJS-3B	0.485	3.36	4818	0.375	1.00	1.41	0.620	0.765
AS4355K	0.750	1.0000 - 16UNJ-3B	0.602	3.67	4821	0.469	1.25	1.69	0.760	0.874
AS4355M	1.000	1.2500 - 14UNJS-3B	0.852	4.47	4829	0.719	1.50	2.00	0.890	1.283
AS4355N	1.250	1.5781 - 14UNJS-3B	1.101	4.29	4834	0.875	2.00	2.10	0.881	0.951

CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION AS604

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AEROSPACE STANDARD

HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE,
CRES REINFORCED, 400°F, 3000 PSI,
HEAVYWEIGHT, BEAM SEAL, 45° TO 45°

AS4355

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TABLE 2

SLEEVE CODE	SLEEVE MATERIAL	TEMP. LIMIT °F	HOSE OR SLEEVE OUTSIDE DIAMETER /5/ (MAX-MIN)		HOSE DR SLEEVE OUTSIDE DIAMETER /5/ (MAX-MIN)		HOSE OR SLEEVE OUTSIDE DIAMETER /5/ (MAX-MIN)		HOSE OR SLEEVE OUTSIDE DIAMETER /5/ (MAX-MIN)		HOSE OR SLEEVE OUTSIDE DIAMETER /5/ (MAX-MIN)	
			HOSE SIZE	HOSE SIZE	HOSE SIZE	HOSE SIZE	HOSE SIZE	HOSE SIZE	HOSE SIZE	HOSE SIZE	HOSE SIZE	HOSE SIZE
			0.250	0.375	0.500	0.625	0.750	1.000	1.250			
-	(-) INDICATES HOSE ONLY, NO SLEEVE	400	0.465 0.395	0.595 0.535	0.735 0.675	0.935 0.875	1.090 1.030	1.410 1.350	1.650 1.560			
A	ABRASION SLEEVE TUBULAR (TFE-AS1291-CODE B)	400	0.540 0.468	0.715 0.615	0.855 0.770	1.025 0.960	1.195 1.125	1.515 1.445	1.825 1.755			
B	ABRASION SLEEVE COIL (NYLON AS1294)	275	0.509 0.413	0.684 0.584	0.809 0.721	1.005 0.906	1.170 1.062	1.492 1.257	1.750 1.690			
C	FIRE SLEEVE (AS1072 STL-FG) (15 MIN)	400	0.808 0.562	0.875 0.750	1.058 0.875	1.250 1.125	1.495 1.250	1.750 1.590	2.000 1.875			
E	ABRASION SLEEVE SHRINK-ON (PEP)	350	0.520 0.417	0.655 0.592	0.797 0.727	0.995 0.927	1.160 1.086	1.450 1.251	1.688 1.632			
F	ABRASION SLEEVE SHRINK-ON (POLYOLEFIN AS1073 - CODE B)	275	0.520 0.440	0.670 0.590	0.795 0.731	0.997 0.920	1.174 1.086	1.482 1.251	1.740 1.680			
G	FIRE SLEEVE (AS1072 STL-FG) (5 MIN)	400	0.808 0.562	0.875 0.750	1.058 0.875	1.250 1.125	1.495 1.250	1.750 1.590	2.000 1.875			
H	FIRE SLEEVE INTEGRAL SILICONE (15 MIN)	400	0.700 0.640	0.880 0.820	1.000 0.940	1.203 1.143	1.343 1.283	1.656 1.596	1.906 1.846			
J	FIRE SLEEVE INTEGRAL SILICONE (5 MIN)	400	0.705 0.645	0.880 0.820	1.005 0.945	1.217 1.143	1.382 1.280	1.748 1.593	1.906 1.846			
K	INTEGRAL ABRASION SLEEVE (BRAIDED) POLYESTER	300	0.505 0.480	0.675 0.645	0.795 0.765	0.985 0.955	1.150 1.120	1.470 1.440	1.740 1.680			
L	ABRASION SLEEVE COIL (PTFE-AS1293)	400	0.522 0.449	0.692 0.605	0.831 0.747	1.015 0.937	1.172 1.086	1.492 1.281	1.750 1.690			

(*)NOTE: FIRESLEEVE CLAMP AND FITTING END ARE IN L8 EACH

FLAG NOTES:

- /1/ LENGTH "L" IS A THREE DIGIT NUMBER OF WHICH THE FIRST TWO DIGITS DESCRIBE THE HOSE ASSEMBLY LENGTH IN WHOLE INCHES, AND THE THIRD DIGIT, THE FRACTION OF AN INCH IN EIGHTHS. LENGTH "L" IS MEASURED FROM OUTER CORNER OF SEALING SURFACE TO OUTER CORNER OF SEALING SURFACE AS SHOWN IN FIGURE 1B. FOR LENGTH INCREMENTS AND TOLERANCES SEE TABLE 3.
- /2/ A TRUE CIRCULAR CROSS SECTION IS NOT REQUIRED THROUGH THE FITTING I.D. HOWEVER, THE APPLICABLE BALL DIAMETER LISTED IN TABLE 1 SHALL PASS THROUGH THE END FITTING AFTER IT IS ASSEMBLED TO THE HOSE.
- /3/ DISTANCE ACROSS CORNERS OF THE COUPLING NUT MAY EXCEED THIS DIMENSION.
- /4/ STANDARD COUPLING NUTS SHALL MATE WITH MIL-F-85421 FITTING ENDS. NONSTANDARD COUPLING NUTS MAY BE USED, PROVIDED THEY ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT, AND PROVIDED THEY CANNOT BE REMOVED FROM THE FITTING. NUTS SHALL MEET TORQUE TEST REQUIREMENTS PER AS604 EXCEPT TORQUE VALUES SHALL BE PER MIL-F-85421.
- /5/ DIAMETERS ARE LISTED FOR CLAMP SELECTION. TUBULAR SLEEVES MAY NOT BE A PERFECT ROUND AND SHALL BE MEASURED WITH A DIAMETER TAPE RULER (OFTEN REFERRED TO AS PI-TAPE).
- /6/ TUBULAR ABRASION (TFE) SLEEVES SHALL HAVE AN I.D. NO GREATER THAN HOSE O.D. +0.05 in. AXIAL MOVEMENT OF THE SLEEVE INSTALLED ON THE HOSE SHALL NOT EXCEED 0.05 in. ENDS OF THE TUBULAR SLEEVE SHALL BE TERMINATED WITH A LENGTH OF M23053/11 (FEP) CLASS 1 OR 2, COLOR CLEAR, PER TABLE 5 AND FIGURE 2.
- /7/ COIL ABRASION SLEEVES, WHEN ASSEMBLED ON A STRAIGHT HOSE, SHALL HAVE AN AVERAGE GAP BETWEEN COILS NOT EXCEEDING 0.05 in. DISPLACEMENT OF THE COILS OF THE SLEEVE, CAUSING A GREATER GAP, SHALL NOT BE CAUSE FOR REJECTION IF THE COILS CAN BE REPOSITIONED TO MEET THE GAP REQUIREMENTS. ENDS OF THE COIL SLEEVE SHALL BE TERMINATED WITH A LENGTH OF HEAT SHRINKABLE SLEEVING IN ACCORDANCE WITH TABLE 5 AND FIGURE 2. CODE "B" (NYLON COIL) ABRASION SLEEVES SHALL BE TERMINATED WITH M23053/5, CLASS 1 OR 3, COLOR BLACK. CODE "L" (COIL ABRASION) SLEEVES SHALL BE TERMINATED WITH M23053/12, CLASS 1, COLOR TRANSPARENT, PTFE. (OPTIONAL M23053/11 (FEP) CLASS 1 OR 2, COLOR CLEAR.)

TABLE 5

HOSE SIZE	LENGTH (INCHES)
0.250	2.00 $\pm$ 0.25
0.375	2.00 $\pm$ 0.25
0.500	2.50 $\pm$ 0.25
0.625	2.50 $\pm$ 0.25
0.750	3.00 $\pm$ 0.25
1.000	3.00 $\pm$ 0.25
1.250	3.50 $\pm$ 0.25

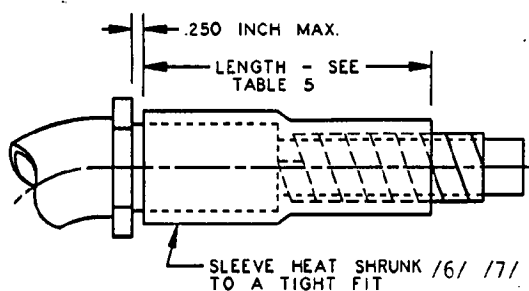


FIGURE 2

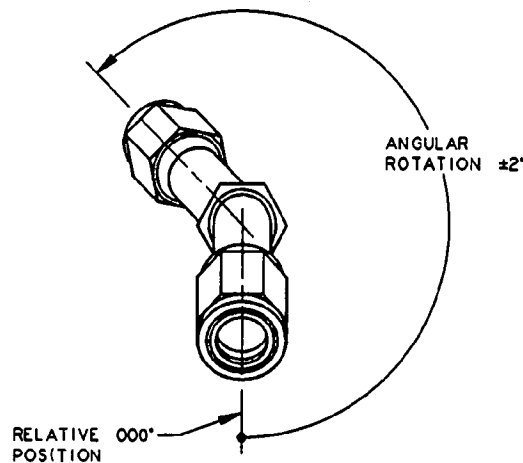


FIGURE 3