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4720

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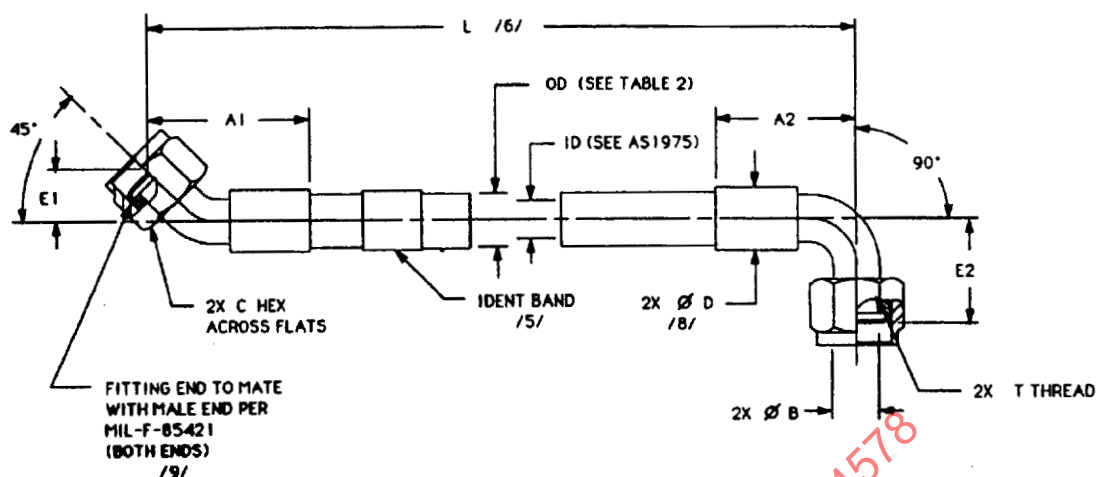


FIGURE 1 - ENLARGED VIEW - 45° END FITTING

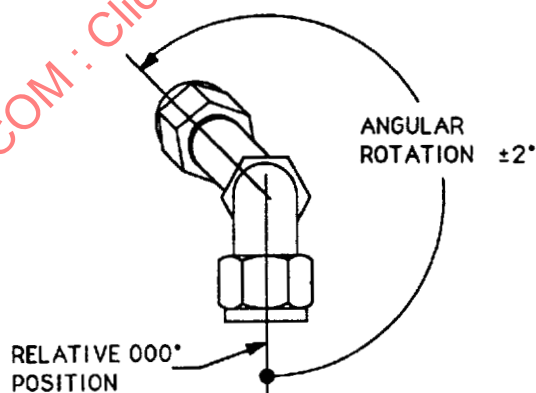


FIGURE 2 - ASSEMBLY ORIENTATION

CUSTODIAN: SAE G-3/G-3D

PROCUREMENT SPECIFICATION: /2/ AS1975

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400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

HOSE ASSEMBLY, PTFE, ARAMID REINFORCED,
STANDARD DUTY, 4000/3000 psi, 275 °F,
TITANIUM FITTINGS, BEAM SEAL, 45° TO 90°

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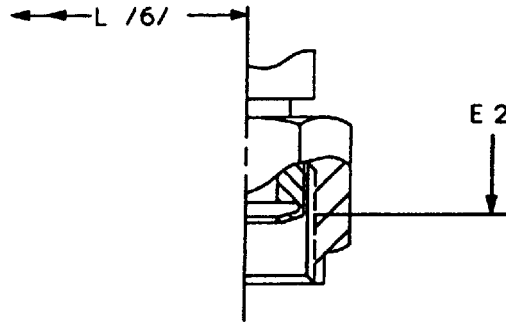


FIGURE 3 - ENLARGED VIEW - 90° END FITTING

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TABLE 1 - ASSEMBLY DIMENSIONS

HOSE ASSEMBLY NO. & SIZE CODE /21/	HOSE SIZE (REF)	THREAD T PER MIL-S-8879 (REF)	ID MIN (REF)	A1 MAX	A2 MAX	C HEX (REF)	D /8/ DIA MAX WITHOUT SLEEVING	E1 MIN	E1 MAX	E2 MIN	E2 MAX	B THRU DIA /7/ MS19059 DASH NO.	B BALL SIZE MIN THRU DIA /7/ DIA IN
AS4578E	.250	.4375-24UNJS-3B	.212	2.105	1.880	.56	.69	.310	.435	.576	.701	4807	.109
AS4578G	.375	.5625-20UNJS-3B	.298	2.380	2.180	.69	.80	.310	.435	.610	.735	4812	.188
AS4578H	.500	.7188-20UNJS-3B	.391	2.530	2.490	.88	.97	.314	.439	.693	.818	4816	.313
AS4578J	.625	.8438-18UNJS-3B	.485	3.500	3.375	1.00	1.15	.357	.482	.834	.959	4818	.375
AS4578K	.750	1.000-16UNJ-3B	.602	3.865	3.770	1.25	1.38	.385	.510	.988	1.113	4821	.469
AS4578M	1.000	1.250-14UNJS-3B	.852	4.405	4.375	1.50	1.66	.480	.605	1.167	1.292	4829	.719

TABLE 2 - HOSE OR SLEEVE OUTSIDE DIAMETER

SLEEVE CODE /22/	SLEEVE MATERIAL	TEMP LIMIT °F	HOSE SIZE /10/ TOLERANCE	HOSE SIZE /10/ TOLERANCE	HOSE SIZE /10/ TOLERANCE	HOSE SIZE /10/ TOLERANCE	HOSE SIZE /10/ TOLERANCE	HOSE SIZE /10/ TOLERANCE
-	(-) INDICATES BRAIDED HOSE ONLY PER AS1975	275	MAX MIN	.465 .405	.555 .495	.715 .655	.920 .850	1.075 1.285
A	FIRE SLEEVE (AS1072 SIL - FG) (5 min) /11/ /12/	275	MAX MIN	.840 .658	.970 .788	1.150 .968	1.380 1.198	1.590 1.318
B	FIRE SLEEVE INTEGRAL SILICONE (5 min) /13/	275	MAX MIN					
C	PROTECTIVE SLEEVE SHRINK-ON (POLYOLEFIN AS1073 CODE B)	275	MAX MIN	.493 .427	.583 .517	.750 .680	.960 .880	1.115 1.025
								1.411 1.319

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TABLE 3 - ASSEMBLY LENGTH TOLERANCES

HOSE ASSEMBLY LENGTH	TOLERANCE
UNDER 18 in	±.125 in
18 TO 36 in, EXCLUSIVE	±.250 in
36 TO 50 in, EXCLUSIVE	±.500 in
OVER 50 in	±1%

TABLE 4 - MAXIMUM HOSE AND FITTING WEIGHTS

HOSE OR SLEEVE CODE /22/	HOSE OR TYPE SLEEVE	UNITS	HOSE SIZE	HOSE SIZE	HOSE SIZE	HOSE SIZE	HOSE SIZE	HOSE SIZE
			.250	.375	.500	.625	.750	1.000
-	BRAIDED HOSE ONLY PER AS1975	LB/IN	.006	.008	.012	.020	.025	.040
A	FIRESLLEEVE AS1072 (5 min PER AS1055) /15/	LB/IN	.012	.017	.018	.028	.030	.037
B	FIRESLLEEVE INTEGRAL WITH HOSE (5 min PER AS1055) /15/	LB/IN						
C	PROTECTIVE SLEEVE SHRINK-ON (POLYOLEFIN AS1073, CODE B)	LB/IN	.001	.001	.001	.002	.002	.003
NONE	FIRESLLEEVE CLAMP	LB/EA	.020	.020	.021	.021	.025	.025
NONE	FITTING END (45°) TITANIUM /16/	LB/EA	.060	.115	.188	.264	.470	.575
NONE	FITTING END (90°) TITANIUM /16/	LB/EA	.067	.121	.206	.290	.490	.627

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