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MA2172

FEDERAL SUPPLY CLASS
4270

RATIONALE

MA2172 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

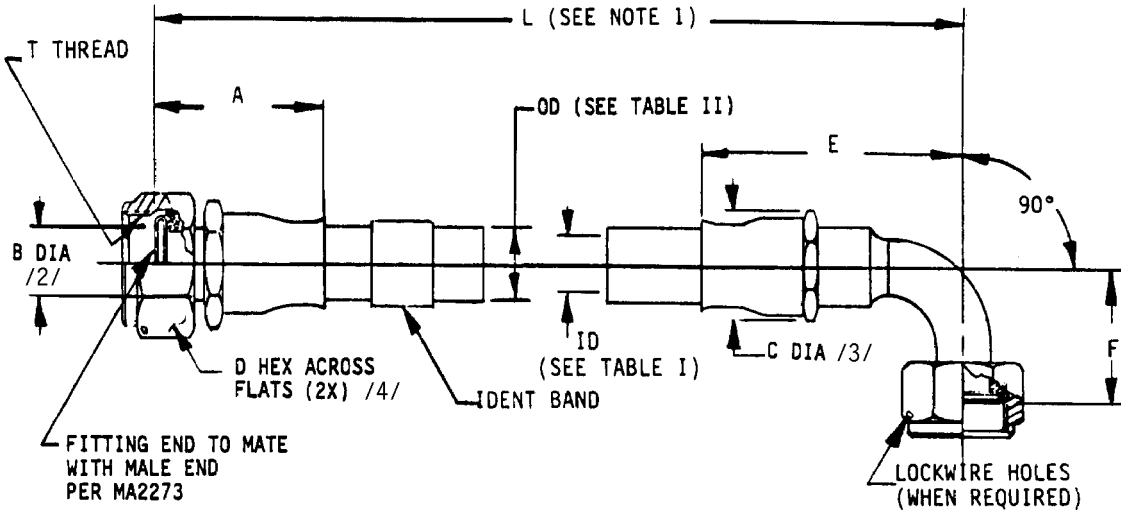


FIGURE 1

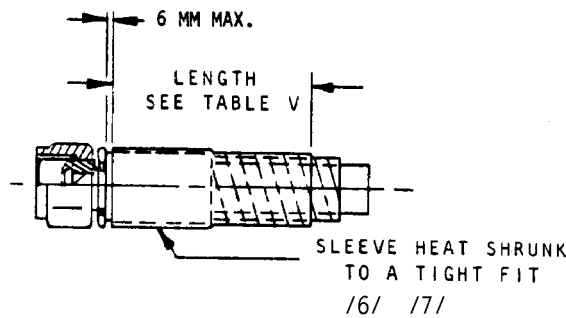
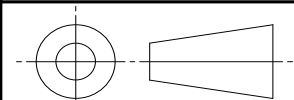


FIGURE 2

SAE values your input. To provide feedback
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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: MA2007



AEROSPACE STANDARD

HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE, PTFE
CRES REINFORCED, 204 °C, 21,000 KPA, LIGHTWEIGHT
BEAM SEAL, STRAIGHT TO 90°, METRIC

MA2172
SHEET 1 OF 5

Documents

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TABLE 1

HOSE ASSEMBLY NO. AND SIZE CODE		THREAD T PER AS1370 (ISO 5855)			B BALL SIZE MIN		C /3/ DIA MAX	D	E	F	
		4H-5H REF	I.D. MIN	A MAX	THRU DIA	/2/	WITHOUT	HEX	MAX	MIN	MAX
					MS19059 DASH NO.	DIA mm	SLEEVING	REF			
MA2172-06	6.0	MJ 12x1.25	5.38	33.02	4807	2.768	17.5	14.0	48.26	20.19	24.97
MA2172-10	10.0	MJ 16x1.5	7.57	36.58	4812	4.775	20.3	21.0	59.69	25.40	28.58
MA2172-12	12.0	MJ 18x1.5	9.93	40.64	4816	7.950	24.6	22.0	63.50	26.24	31.50
MA2172-16	16.0	MJ 22x1.5	12.32	43.18	4818	9.525	27.9	27.0	68.58	31.95	36.70
MA2172-20	20.0	MJ 27x1.5	15.29	46.99	4821	11.912	35.0	32.0	80.01	38.86	49.63
MA2172-25	25.0	MJ 33x1.5	21.64	50.80	4829	18.262	42.2	38.10	88.90	47.24	48.77

TABLE 2

SLEEVE CODE	SLEEVE MATERIAL	TEMP LIMIT °C	TOLE- RANCE	HOSE OR SLEEVE OUTSIDE DIAMETER /5/ HOSE SIZE					
				06	10	12	16	20	25
-	(---) INDICATES HOSE ONLY NO SLEEVE	204	MAX	9.91	12.45	15.62	18.54	25.15	32.26
			MIN	9.14	11.56	14.86	17.53	24.13	31.24
A	ABRASION SLEEVE TUBULAR (TFE-AS1291 - Code B) /6/	204	MAX	12.70	15.24	18.54	21.34	28.19	35.56
			MIN	11.18	13.72	17.02	19.81	26.67	34.04
B	ABRASION SLEEVE COIL NYLON (AS1294) /7/	135	MAX	11.43	13.97	17.65	20.57	27.43	34.54
			MIN	9.91	12.45	16.13	19.05	25.91	33.02
C	FIRESLEEVE (AS1072 SIL-FG) (15 min) /8/ /9/ /12/	204	MAX	15.88	19.05	22.22	25.40	31.75	38.10
			MIN	12.7	15.88	19.05	22.22	28.58	34.92
E	ABRASION SLEEVE SHRINK-ON (FEB) /11/	177	MAX	10.77	13.72	16.89	20.07	27.18	34.29
			MIN	9.50	12.19	15.62	18.54	25.65	32.77
F	ABRASION SLEEVE SHRINK-ON (Polyolefin AS1073-Code B) /11/	135	MAX	11.43	14.22	17.65	20.57	27.43	34.54
			MIN	10.16	12.83	16.38	19.05	25.91	33.02
H	FIRESLEEVE INTEGRAL SILICONE (15 min) (AS1722) /12/ /13/	204	MAX	16.76	18.92	22.73	25.53	30.99	38.48
			MIN	15.24	17.40	21.21	24.00	29.46	36.96
K	INTEGRAL ABRASION SLEEVE (BRAIDED) POLYESTER /10/	149	MAX	12.45	14.48	17.65	20.32	27.18	34.29
			MIN	11.28	13.59	16.51	19.30	26.16	33.27
L	ABRASION SLEEVE COIL (PTFE-AS1293) /7/	204	MAX	13.97	15.24	18.54	21.90	28.19	35.56
			MIN	11.18	13.72	17.02	20.37	26.67	34.04

TABLE 3

HOSE ASSEMBLY LENGTH	AVAILABLE INCREMENTS	TOLERANCE
UNDER 457 mm	(NOT LESS THAN) 3 mm	±3 mm
457 TO 914 mm	(NOT LESS THAN) 7 mm	±7 mm
915 TO 1270 mm	(NOT LESS THAN) 13 mm	±13 mm
OVER 1270 mm	(NOT LESS THAN) 26 mm	±1%