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MA2082

RATIONALE

FEDERAL SUPPLY CLASS
4720

MA2082 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

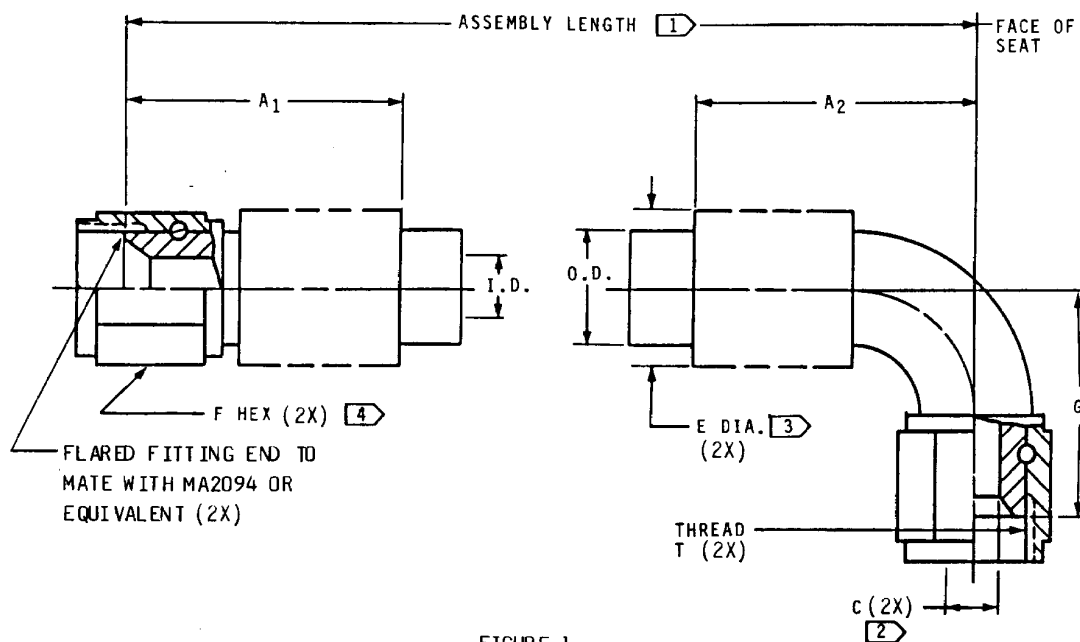


FIGURE 1

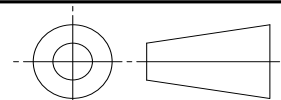
DIMENSIONS IN MILLIMETERS (mm)

TABLE 1

HOSE ASSEMBLY NO. AND SIZE CODE	SIZE REF	THREAD T PER AS1370 (ISO 5855) 4H-5H REF	I.D. MIN	A1 MAX	A2 MAX	C (2) DRILL DIA MIN	E (3) DIA MAX WITHOUT SLEEVING	F HEX REF	G		BALL SIZE MIN THRU DIA (2)	
									MIN	MAX	MS 19059 DASH NO.	DIA MM
MA 2082-06 MA 2082-10	6.0 9.5	MJ 12x1.25 MJ 16x1.5	5.38 7.57	33.02 37.59	44.45 50.80	3.43 6.10	17.53 20.32	14.22 17.53	15.621 21.082	18.796 23.368	4807 4812	2.768 4.775
MA 2082-12 MA 2082-16	12.5 15.5	MJ 18x1.5 MJ 22x1.5	9.93 12.32	42.93 44.96	60.45 71.37	8.64 10.42	24.64 28.20	22.35 25.40	23.114 28.194	28.956 33.274	4816 4818	7.950 9.525
MA 2082-20 MA 2082-25	19.0 25.0	MJ 27x1.5 MJ 33x1.5	15.29 21.64	49.53 59.69	82.55 83.82	12.95 19.30	35.06 42.17	31.75 38.10	34.036 45.847	38.100 47.371	4821 4829	11.912 18.262

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: MA2007



AEROSPACE STANDARD

HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE, CRES REINFORCED, 204 °C, 21,000 KPA, 60-DEG CONE, STRAIGHT TO 90-DEG, LIGHTWEIGHT, METRIC

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TABLE II

SLEEVE CODE	SLEEVE MATERIAL	TEMP LIMIT °C	TOLERANCE	HOSE OR SLEEVE OUTSIDE DIAMETER 5					
				HOSE SIZE					
				06	10	12	16	20	25
-	(→) INDICATES HOSE ONLY NO SLEEVE (AS 1624)	204	MAX MIN	9.91 9.14	12.45 11.56	15.62 14.86	18.54 17.53	25.15 24.13	32.26 31.24
A	ABRASION SLEEVE TUBULAR (TFE-AS1291 - CODE B) 6	204	MAX MIN	12.70 11.18	15.24 13.72	18.54 17.02	21.34 19.81	28.19 26.67	35.56 34.04
B	ABRASION SLEEVE COIL NYLON (AS1294) 7	135	MAX MIN	11.43 9.91	13.97 12.45	17.65 16.13	20.57 19.05	27.43 25.91	34.54 33.02
C	FIRE SLEEVE (AS1072 SIL-FG) (15 MIN) 8 9 13	204	MAX MIN	15.88 12.70	19.05 15.88	22.22 19.05	25.40 22.22	31.75 28.58	38.10 34.92
D	ABRASION SLEEVE SHRINK-ON (FEP) 11	177	MAX MIN	10.77 9.50	13.72 12.19	16.89 15.62	20.07 18.54	27.18 25.65	34.29 32.77
E	ABRASION SLEEVE SHRINK-ON (POLYOLEFIN AS1073 - CODE B) 11	135	MAX MIN	11.43 10.16	14.22 12.83	17.65 16.38	20.57 19.05	27.43 25.91	34.54 33.02
F	FIRE SLEEVE (AS1072 SIL-FG) (5 MIN) 8 9 12	204	MAX MIN	15.88 12.70	19.05 15.88	22.22 19.05	25.40 22.22	31.75 28.58	38.10 34.92
G	FIRE SLEEVE INTEGRAL SILICONE (15 MIN) (AS1722) 13	204	MAX MIN	16.76 15.24	18.92 17.40	22.73 21.21	25.53 24.00	30.99 29.46	38.48 36.96
H	FIRE SLEEVE INTEGRAL SILICONE (5 MIN) 12	204	MAX MIN	16.76 15.24	18.92 17.40	22.73 21.21	25.53 24.00	30.99 29.46	38.48 36.96
J	INTEGRAL ABRASION SLEEVE (BRAIDED) POLYESTER 10	177	MAX MIN	12.45 11.28	14.48 13.59	17.65 16.51	20.32 19.30	27.18 26.16	34.29 33.27
K	ABRASION SLEEVE COIL (PTFE-AS1293) 7	204	MAX MIN	12.70 11.18	15.24 13.72	18.54 17.02	21.90 20.37	28.19 26.67	35.56 34.04



AEROSPACE STANDARD

HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE,
CRES REINFORCED, 204 °C, 21,000 KPA, 60-DEG CONE,
STRAIGHT TO 90-DEG, LIGHTWEIGHT, METRIC

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