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MA2089

RATIONALE

FEDERAL SUPPLY CLASS
4720

MA2089 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

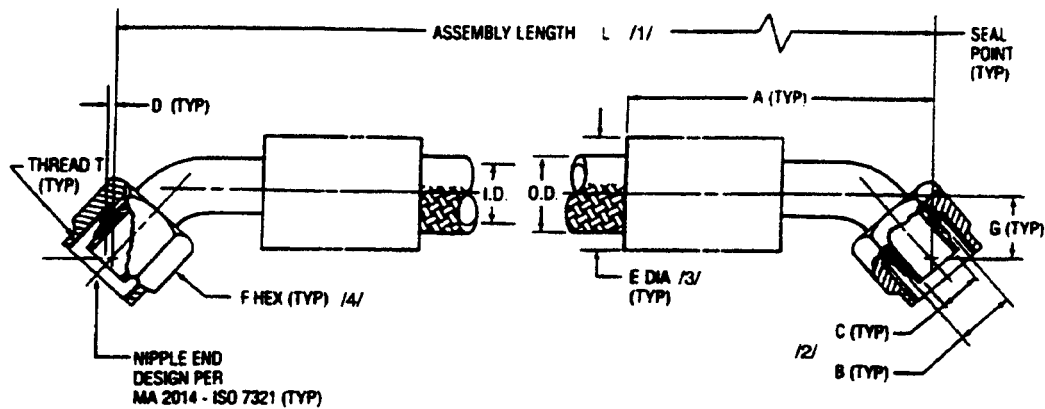


FIGURE 1

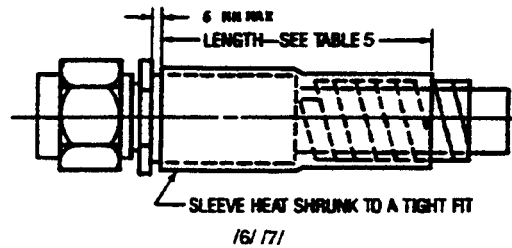


FIGURE 2

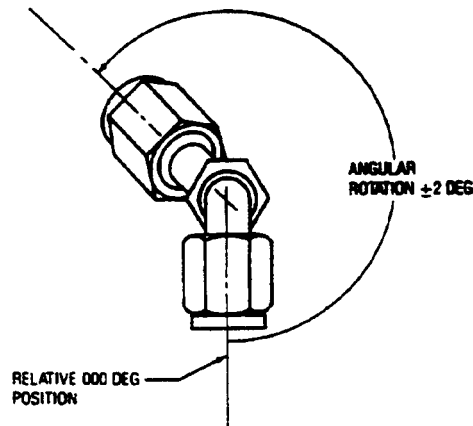
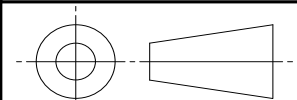


FIGURE 3

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: MA2007



AEROSPACE STANDARD

HOSE ASSEMBLY, TETRAFLUOROETHYLENE,
21,000 KPA, FLARELESS, 45° to 45°,
METRIC

MA2089
SHEET 1 OF 4

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TABLE 1
DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED

HOSE ASSEMBLY NO. AND SIZE CODE	SIZE DN	THREAD T PER AS1370	I.D. MIN	A MAX	B SEAL DIA BASIC	C /2/ DRILL DIA MIN	D REF	E /3/ DIA MAX WITHOUT SLEEVING	F HEX REF	G MIN	G MAX	BALL SIZE MIN THRU DIA /2/ DASH NO.	INCH	MM
MA2089 E	06	MJ12x1.25	5.4	54	7.50	3.4	2.7	18	14	8	13	4807	.109	2.8
MA2089 G	10	MJ16x1.5	7.5	62	11.50	6.1	3.0	20	19	11	16	4812	.188	4.8
MA2089 H	12	MJ18x1.5	9.9	70	13.50	8.6	3.3	25	22	13	19	4816	.313	7.9
MA2089 J	16	MJ22x1.5	12.3	83	17.50	10.4	3.6	28	27	14	21	4818	.375	9.5
MA2089 K	20	MJ27x1.5	15.3	95	21.50	12.9	4.1	35	32	16	22	4821	.469	10.4
MA2089 M	25	MJ33x1.5	21.6	114	26.60	19.3	5.3	42	41	21	28	4829	.719	18.3

TABLE 2

SLEEVE CODE	SLEEVE MATERIAL	TEMP. LIMIT °C	HOSE OR SLEEVE OUTSIDE DIAMETER /5/ HOSE SIZE					
			TOLE-RANCE	06	10	12	16	20
-	(-) INDICATES HOSE ONLY. NO SLEEVE (AS1624)	204	MAX MIN	10.0 9.1	12.4 11.6	15.6 14.9	18.5 17.6	25.1 24.1
A	ABRASION SLEEVE TUBULAR (TFE-AS1291-CODE B) /6/	204	MAX MIN	12.7 11.2	15.2 13.7	18.5 17.0	21.3 19.8	28.2 26.7
B	ABRASION SLEEVE COIL (NYLON AS1294) /7/	135	MAX MIN	11.4 10.0	14.0 12.4	17.7 16.1	20.6 19.1	27.4 25.9
C	FIRESLEEVE (AS1072 SIL-FG) (15 min) /8/ /9/ /13/	204	MAX MIN	15.9 12.7	19.1 15.9	22.2 19.1	25.4 20.6	31.8 28.6
E	ABRASION SLEEVE SHRINK-ON (FEP) /11/	177	MAX MIN	10.8 9.5	13.7 12.2	16.9 15.6	20.1 18.5	27.2 25.7
F	ABRASION SLEEVE SHRINK-ON (POLYOLEFIN AS1073 - CODE B) /11/	135	MAX MIN	11.4 10.2	14.2 12.8	17.7 16.4	20.6 19.1	27.4 25.9
G	FIRESLEEVE (AS1072 SIL-FG) (5 min) /8/ /9/ /12/	204	MAX MIN	15.9 12.7	19.1 15.9	22.2 19.1	25.4 22.2	31.8 28.6
H	FIRESLEEVE INTEGRAL SILICONE (15 min) (AS1722) /13/	204	MAX MIN	16.8 15.2	18.9 17.4	22.7 21.2	25.5 24.0	31.0 29.5
J	FIRESLEEVE INTEGRAL SILICONE (5 min) /12/	204	MAX MIN	16.8 15.2	18.9 17.4	22.7 21.2	25.5 24.0	31.0 29.5
K	INTEGRAL ABRASION SLEEVE (BRAIDED) POLYESTER /10/	149	MAX MIN	12.4 11.2	14.5 13.6	17.7 16.5	20.3 19.3	27.2 26.2
L	ABRASION SLEEVE COIL (PTFE-AS1293) /7/	204	MAX MIN	12.7 11.2	15.2 13.7	18.5 17.0	21.9 20.4	28.2 26.7

TABLE 3

HOSE ASSEMBLY	AVAILABLE INCREMENTS	TOLERANCE
UNDER 500 mm	5 mm	± 3 mm
500 - 1000 mm	10 mm	± 7 mm
1001 - 1500 mm	20 mm	±13 mm
OVER 1500 mm	30 mm	±1% OF LENGTH



AEROSPACE STANDARD
HOSE ASSEMBLY, TETRAFLUOROETHYLENE,
21,000 KPA, FLARELESS, 45° TO 45°,
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