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REV.
B

MA2085

FEDERAL SUPPLY CLASS
4720

RATIONALE

MA2085B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

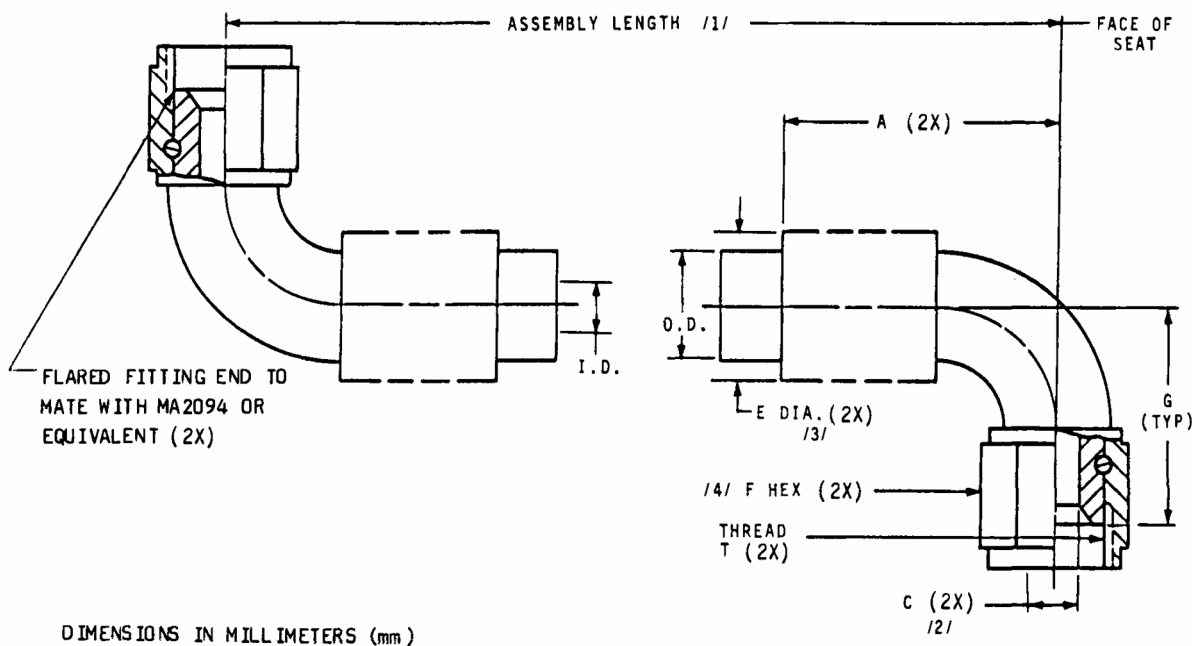


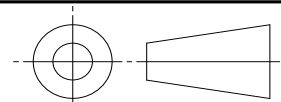
FIGURE 1

TABLE 1

HOSE ASSEMBLY NO. AND SIZE CODE	SIZE REF	THREAD T PER MA1370 (ISO 5855) 4H-5H REF	I.D. MIN	A 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
MA2085E	6.0	MJ 12X1.25	5.38	44.45	3.43	17.53	14.22	15.621	18.796	4807	2.768
MA2085G	9.5	MJ 16X1.5	7.57	50.80	6.10	20.32	17.53	21.082	23.368	4812	4.775
MA2085H	12.5	MJ 18X1.5	9.93	60.45	8.64	24.64	22.35	23.114	28.956	4816	7.950
MA2085J	15.5	MJ 22X1.5	12.32	71.37	10.42	28.20	25.40	28.194	33.274	4818	9.525
MA2085K	19.0	MJ 27X1.5	15.29	82.55	12.95	35.06	31.75	34.036	38.100	4821	11.912
MA2085M	25.0	MJ33X1.5	21.64	83.82	19.30	42.17	38.10	45.847	47.371	4829	18.262

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/MA2085B>

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, TO 90-DEG TO 90-DEG, LIGHTWEIGHT, METRIC

MA2085
SHEET 1 OF 5

REV.
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Documents

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TABLE 2

SLEEVE CODE	SLEEVE MATERIAL	TEMP LIMIT °C	TOLERANCE	HOSE OR SLEEVE OUTSIDE DIAMETER /5/					
				HOSE SIZE					
				E	G	H	J	K	M
-	(--) INDICATES HOSE ONLY NO SLEEVE (AS1624)	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

TABLE 3

HOSE ASSEMBLY LENGTH	AVAILABLE INCREMENTS	TOLERANCE
UNDER 457 MM	(NOT LESS THAN) 3 MM	(PLUS OR MINUS) 3 MM
457 TO 914 MM	(NOT LESS THAN) 7 MM	(PLUS OR MINUS) 7 MM
915 TO 1270 MM	(NOT LESS THAN) 13 MM	(PLUS OR MINUS) 13 MM
OVER 1270 MM	(NOT LESS THAN) 26 MM	(PLUS OR MINUS) 1 PERCENT

TABLE 4

HOSE OR SLEEVE CODE	HOSE OR TYPE SLEEVE	UNITS	MAXIMUM WEIGHT					
			HOSE SIZE					
			E	G	H	J	K	M
-	HOSE ONLY	KG/M	.161	.268	.357	.482	.982	1.518
A	ABRASION SLEEVE (TFE-AS1291-B)	KG/M	.054	.071	.071	.089	.125	.161
B	ABRASION SLEEVE (NYLON AS1294)	KG/M	.018	.036	.054	.054	.071	.089
C	FIRE SLEEVE (15 MIN) AS1072	KG/M	.125	.161	.196	.214	.304	.375
D	ABRASION SLEEVE (FEP)	KG/M	.036	.054	.054	.089	.107	.125
E	ABRASION SLEEVE (AS1073B)	KG/M	.036	.054	.054	.071	.089	.107
F	FIRE SLEEVE (5 MIN) AS1072	KG/M	.125	.161	.196	.214	.304	.375
G	FIRE SLEEVE INTEGRAL (15 MIN) WITH HOSE	KG/M	.339	.482	.625	.839	1.768	2.089
H	FIRE SLEEVE INTEGRAL (5 MIN) WITH HOSE	KG/M	.339	.482	.625	.839	1.768	2.089
J	ABRASION SLEEVE POLYESTER WITH HOSE	KG/M	.214	.286	.393	.536	1.071	1.607
K	ABRASION SLEEVE (PTFE-AS1293)	KG/M	.054	.071	.089	.089	.107	.125
NONE	FIRE SLEEVE CLAMP	KG/EA	.011	.011	.011	.012	.012	.012
NONE	FITTING END (HOSE SIZE - 90°)	KG/EA	.034	.055	.094	.139	.265	.381