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MA5076

RATIONALE

FEDERAL SUPPLY CLASS
4720

MA5076 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

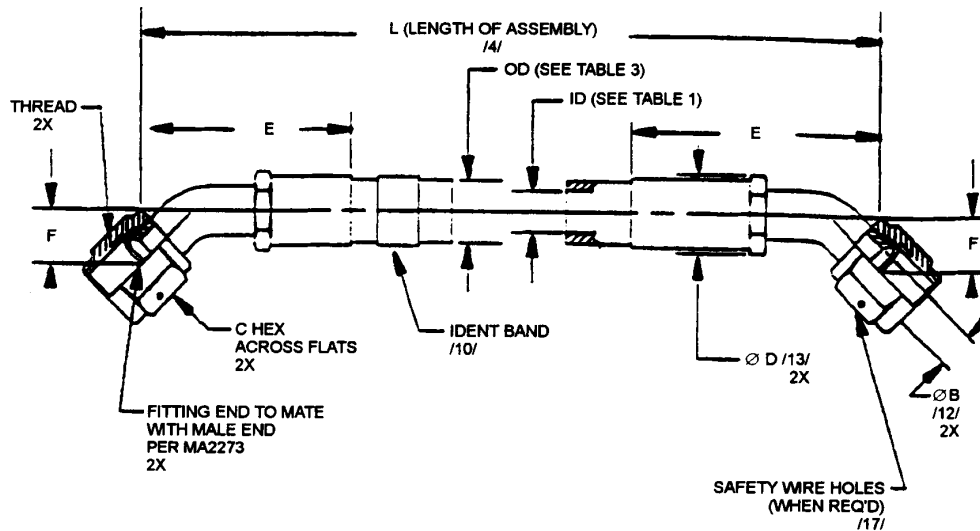


FIGURE 1 - HOSE ASSEMBLY

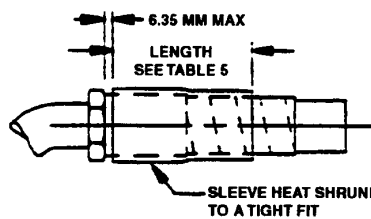


FIGURE 2 - HEAT SHRINKABLE SLEEVES REQUIRED FOR COIL AND TUBULAR ABRASION SLEEVES /6/ AND /7/

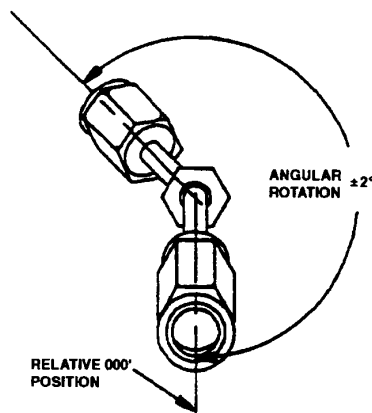
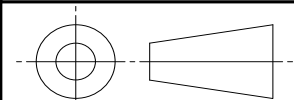


FIGURE 3 - FITTING ANGULAR ORIENTATION

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: /2/ MA4095



AEROSPACE STANDARD

HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE, PARA ARAMID REINFORCED, 34,500 KPA, 135 °C, BEAM SEAL, 45° TO 45°, METRIC

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Documents

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TABLE 1 - BASIC HOSE DIMENSIONS

HOSE ASSEMBLY SIZE CODE	HOSE SIZE (REF)	THREAD T PER AS1370 (REF)	ID MIN	A MAX	B MIN /12/	C HEX (REF)	D MAX W/O SLEEVING /13/	E	F MIN	F MAX	BALL SIZE MIN THRU DIA /12/
MA5076-08	DN08	MJ12X1.25	4.33	27.75	3.40	14.00	13.75	46.25	10.35	13.63	2.98
MA5076-10	DN10	MJ16X1.50	7.45	33.00	6.10	17.25	17.25	53.75	11.25	14.55	5.75
MA5076-12	DN12	MJ18X1.50	9.78	36.25	8.60	22.00	20.75	56.25	11.18	16.88	7.83
MA5076-16	DN16	MJ22X1.50	12.13	40.00	10.40	25.00	24.25	66.50	13.50	19.15	9.78
MA5076-20	DN20	MJ27X1.50	15.38	45.00	13.00	28.00	29.25	77.25	15.48	21.73	12.88
MA5076-25	DN25	MJ33X1.50	21.28	53.00	19.30	34.50	34.50	90.00	16.35	32.08	18.75

TABLE 2 - LENGTH TOLERANCE

HOSE ASSEMBLY LENGTH	TOLERANCE
UNDER 457 mm	±3 mm
457 TO 914 mm EXCLUSIVE	±7 mm
915 TO 1270 mm EXCLUSIVE	±13 mm
OVER 1270 mm	±1%

TABLE 3 - HOSE AND SLEEVE OD

HOSE OR SLEEVE CODE	HOSE OR TYPE SLEEVE	TEMP LIMIT (°C)	HOSE OR SLEEVE ASSEMBLED OUTSIDE DIAMETER HOSE SIZE DN08	HOSE OR SLEEVE ASSEMBLED OUTSIDE DIAMETER HOSE SIZE DN10	HOSE OR SLEEVE ASSEMBLED OUTSIDE DIAMETER HOSE SIZE DN12	HOSE OR SLEEVE ASSEMBLED OUTSIDE DIAMETER HOSE SIZE DN16	HOSE OR SLEEVE ASSEMBLED OUTSIDE DIAMETER HOSE SIZE DN20	HOSE OR SLEEVE ASSEMBLED OUTSIDE DIAMETER HOSE SIZE DN25
-	HOSE ONLY, NO SLEEVE	204	8.58 7.60	11.73 10.75	14.65 13.65	17.18 16.03	20.30 19.15	28.50 26.95
A	ABRASION SLEEVE TUBULAR (TFE AS1291) /7/	204	11.83 8.58	14.63 11.75	17.85 16.13	20.45 17.03	23.50 20.40	32.00 28.45
B	ABRASION SLEEVE COIL (NYLON AS1294) /6/	135	10.23 8.25	13.38 11.40	17.73 14.75	19.28 17.03	22.40 20.25	30.60 28.05
C	TUBULAR FIRESLEEVE SIL/FG (15 min) /5/ /9/ /14/ (AS1072)	204	15.63 13.10	18.75 16.20	21.88 19.10	25.00 21.48	28.13 24.60	34.38 32.20
E	SHRINK ABRASION SLEEVE (FEP) /8/	177	9.38 8.00	12.68 11.30	15.88 14.45	18.73 16.98	22.18 20.28	30.70 28.65
F	SHRINK ABRASION SLEEVE (POLYOLEFIN AS1073-CODE B) /11/	135	10.28 8.70	13.68 12.10	15.58 15.00	19.23 17.48	22.35 20.60	30.80 28.65
H	INTEGRAL FIRESLEEVE (15 min) /9/	204	16.03 14.85	19.15 17.98	22.28 21.10	25.40 24.23	28.53 26.85	36.35 34.85
K	INTEGRAL ABRASION SLEEVE (BRAIDED POLYESTER) /11/	149	10.75 9.75	13.98 12.75	16.63 15.63	19.30 18.15	22.18 21.03	30.25 28.70
L	ABRASION SLEEVE COIL (PTFE AS1293) /8/	204	11.13 8.33	14.28 11.50	17.18 14.40	19.73 17.03	22.85 20.15	31.05 27.95



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