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MA1637

FEDERAL SUPPLY CLASS

RATIONALE

MA1637 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

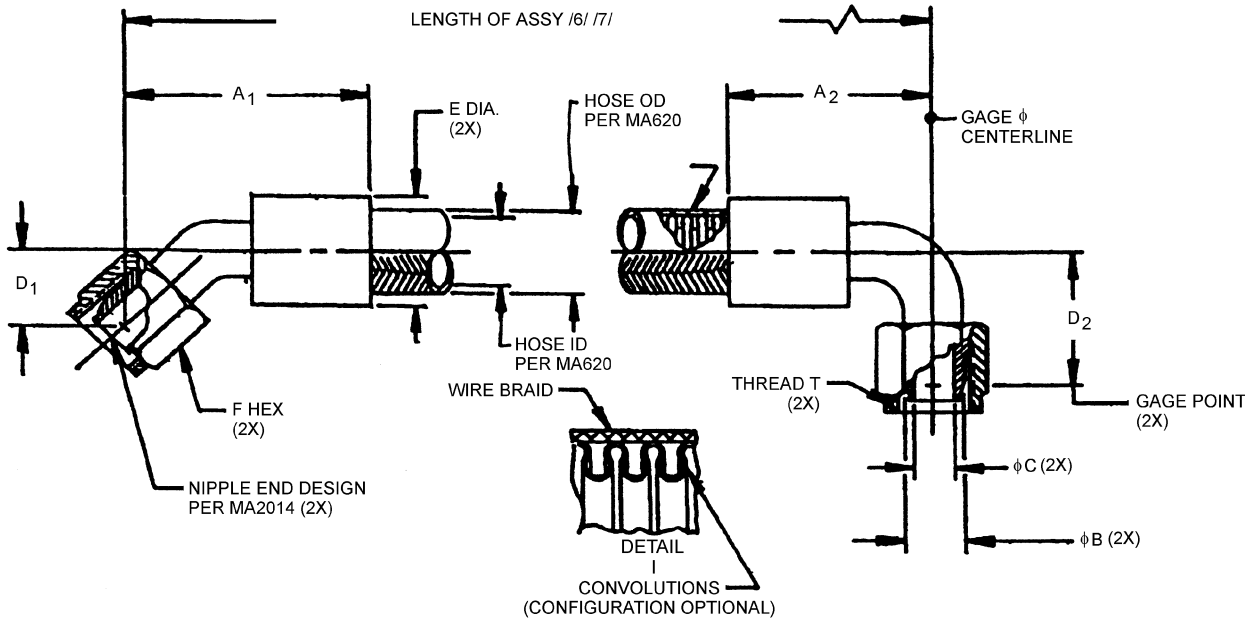


FIGURE 1 - HOSE ASSEMBLY

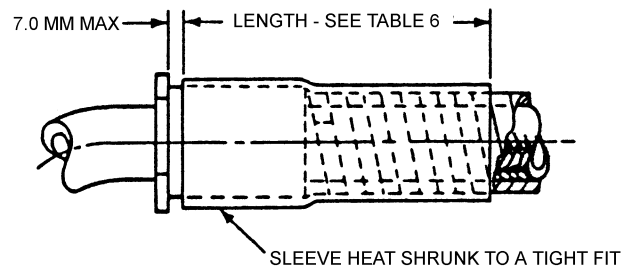
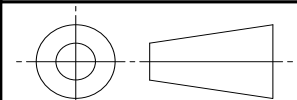


FIGURE 2 - SPIRAL ABRASION COVER /8/

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: MA620 /3/



AEROSPACE STANDARD

HOSE ASSEMBLY, CONVOLUTED,
POLYTETRAFLUOROETHYLENE, METALLIC REINFORCED
CONDUCTIVE, FLARELESS, 45° TO 90°

MA1637
SHEET 1 OF 6

Documents

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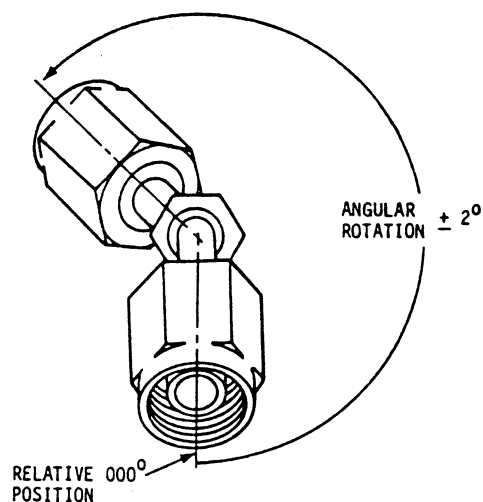


FIGURE 3 - FITTING ANGULAR ORIENTATION /18/

TABLE 1 - ASSEMBLY DIMENSIONS

HOSE ASSY NO. AND SIZE CODE	HOSE ASSEMBLY SIZE DN	THREAD T PER MA1370 4g - 6g	A ₁ MAX	A ₂ MAX	B GAGE BASIC	C /10/ MIN	D ₁ MIN	D ₁ MAX	D ₂ MIN	D ₂ MAX	E /11/ MAX WITHOUT SLEEVING	F HEX (REF)
MA1637E	06	MJ12 x 1.25	38.6	31.5	7.5	3.4	9.8	11.5	18.0	19.8	14.0	14
MA1637G	10	MJ14 x 1.5	49.0	41.4	9.5	6.5	12.9	14.7	24.4	26.2	17.3	17
MA1637H	12	MJ18 x 1.5	54.9	47.0	13.5	8.8	14.4	16.2	28.3	30.1	21.8	22
MA1637J	16	MJ22 x 1.5	64.5	55.7	17.5	10.9	17.8	19.6	35.0	36.8	24.1	27
MA1637K	20	MJ27 x 1.5	72.9	67.8	21.5	16.1	17.8	19.6	36.8	38.5	32.5	32
MA1637M	25	MJ33 x 1.5	81.0	77.0	26.6	21.2	22.9	24.7	47.8	49.5	37.3	41
MA1637N	32	MJ42 x 2	102.1	98.8	33.7	27.5	25.7	27.5	55.4	57.2	43.2	46
MA1637P	40	MJ50 x 2	116.1	105.4	41.7	33.3	31.5	33.3	67.4	69.2	50.8	60

TABLE 2 - ASSEMBLY LENGTH TOLERANCE

HOSE ASSEMBLY LENGTH	TOLERANCE
UNDER 457 mm	± 3 mm
457 TO 914 mm EXCLUSIVE	± 7 mm
914 TO 1270 mm EXCLUSIVE	± 13 mm
1270 mm AND OVER	$\pm 1\%$

	AEROSPACE STANDARD	MA1637 SHEET 2 OF 6 	
	HOSE ASSEMBLY, CONVOLUTED, POLYTETRAFLUOROETHYLENE, METALLIC REINFORCED CONDUCTIVE, FLARELESS, 45° TO 90°		

