

MA2102

FEDERAL SUPPLY CLASS
4720

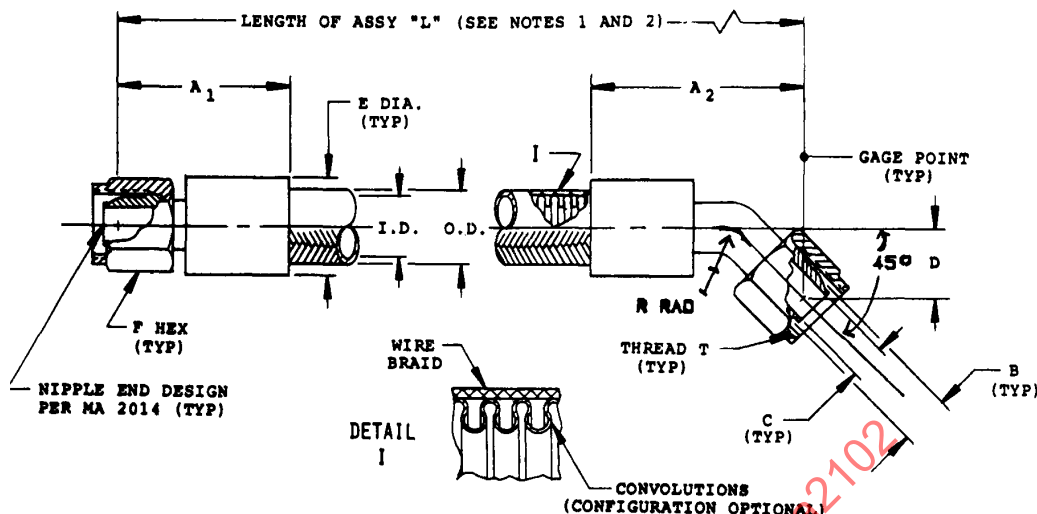


TABLE 1

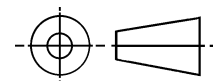
HOSE ASSY PART NUMBER	HOSE ASSY SIZE (DN) ¹	THREAD T PER AS1370 4H5H	A ₁ MAX mm	A ₂ MAX mm	B GAGE DIA BASIC	C DIA THRU MIN mm	D		E ENVELOPE DIA mm	F HEX (REF) mm	R RAD (REF) mm
							MIN mm	MAX mm			
MA2102E	DN06	MJ12X1.25	31.8	41.2	7.5	3.35	12.5	15.5	22.9	14	6.4
MA2102G	DN08	MJ14X1.5	35.1	47.8	9.5	6.50	13.7	18.5	30.5	17	9.5
MA2102H	DN12	MJ18X1.5	39.6	53.9	13.5	8.76	17.0	23.4	33.0	22	12.7
MA2102J	DN16	MJ22X1.5	44.5	60.5	17.5	10.92	21.1	27.4	38.1	27	15.9
MA2102K	DN20	MJ27X1.5	49.3	68.3	21.5	14.4	21.8	28.2	44.2	32	19.0
MA2102M	DN25	MJ33X1.5	53.9	81.0	26.5	19.3	22.9	29.2	58.4	41	25.4
MA2102N	DN32	MJ42X2	60.5	93.7	33.5	23.4	23.9	33.5	72.4	46	31.8

¹DN = Nominal tube outside diameter

TABLE 2

HOSE SIZE (DN) NOM	HOSE 21°C (70°F)					BALL SIZE mm (SEE NOTE 5)	CORRECTION FACTOR mm (SEE NOTE 2)	
	ID MIN mm	OD MAX mm	OPERATING PRESSURE MAX kPa	PROOF PRESSURE MIN kPa	BURST PRESSURE MIN kPa		STRAIGHT FITTING	45 DEG FITTING
06	5.5	11.0	13 750	20 650	55 150	3	4.1	2.8
08	7.0	13.5	12 000	18 000	48 000	6	4.5	2.8
12	11.0	20.5	9 800	14 500	38 600	8	4.8	2.8
16	14.0	24.0	8 300	13 400	33 000	10	5.0	2.8
20	17.5	29.0	7 200	10 700	29 000	14	5.8	2.8
25	23.0	36.0	5 500	8 300	22 000	18	7.6	2.8
32	30.0	44.0	3 800	5 700	15 200	22	9.4	3.2

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3D (SEE NOTE 7)

PROCUREMENT SPECIFICATION: MA2100

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METRIC AEROSPACE STANDARD

HOSE ASSEMBLY, METAL, MEDIUM PRESSURE
FLARELESS, WELDED, STRAIGHT TO 45°
FITTING ENDS, METRIC

MA2102
SHEET 1 OF 2

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