

REV.
A

MA2103

FEDERAL SUPPLY CLASS
4720

RATIONALE

MA2103A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

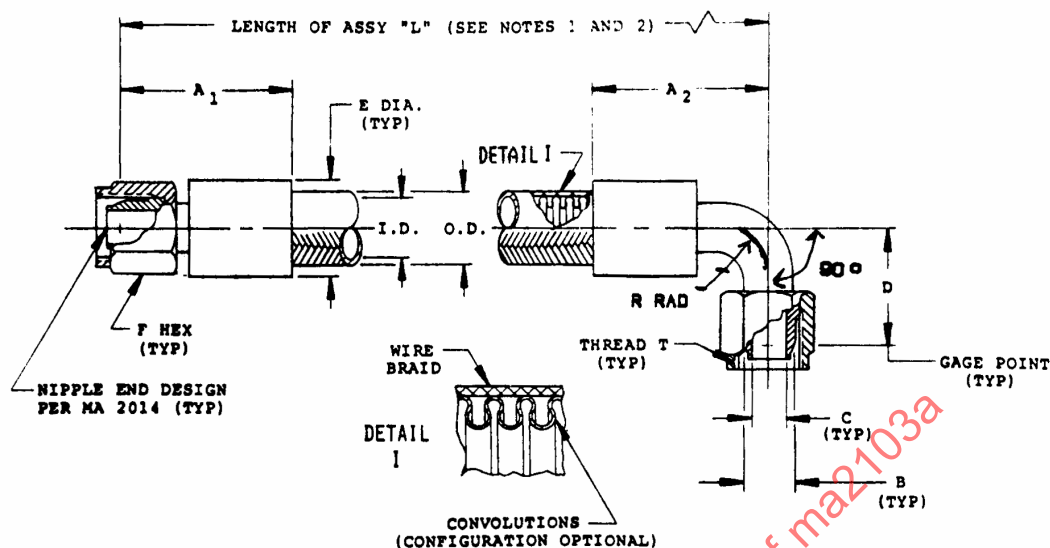


FIGURE 1
TABLE 1

HOSE ASSY PART NUMBER	HOSE ASSY SIZE (DN) ¹	THREAD T PER MA1370 4H5H	A ₁ MAX MM	A ₂ MAX MM	B GAGE DIA BASIC	C MIN DIA THRU	D MIN MM	D MAX MM	E ENVELOPE DIA MM	F HEX (REF) MM	R RAD (REF) MM
MA2103E	DN06	MJ12X1.25	31.8	37.9	7.5	3.35	21.1	27.4	22.9	14	6.4
MA2103G	DN08	MJ14X1.5	35.1	43.1	9.5	6.50	24.8	31.2	30.5	17	9.5
MA2103H	DN12	MJ18X1.5	39.6	51.7	13.5	8.76	31.2	39.1	33.0	22	12.7
MA2103J	DN16	MJ22X1.5	44.5	60.5	17.5	10.92	39.6	47.5	38.1	27	15.9
MA2103K	DN20	MJ27X1.5	49.3	69.4	21.5	14.4	42.4	52.1	44.2	32	19.0
MA2103M	DN25	MJ33X1.5	53.9	79.0	26.5	19.3	46.7	56.4	58.4	41	25.4
MA2103N	DN32	MJ42X2	60.5	92.6	33.5	23.4	53.9	65.8	72.4	46	31.8

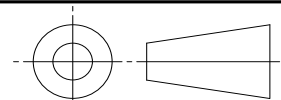
¹DN = NOMINAL TUBE OUTSIDE DIAMETER

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	0
08	7.0	13.5	12 000	18 000	48 000	6	4.5	0
12	11.0	20.5	9 800	14 500	38 600	8	4.8	0
16	14.0	24.5	8 300	13 400	33 000	10	5.0	0
20	17.5	29.0	7 200	10 700	29 000	14	5.8	0
25	23.0	36.0	5 500	8 300	22 000	18	7.6	0
32	30.0	44.0	3 800	5 700	15 200	22	9.4	0

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/MA2103A>

THIRD ANGLE PROJECTION



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

PROCUREMENT SPECIFICATION: MA2100



AEROSPACE STANDARD

HOSE ASSEMBLY, METAL, MEDIUM PRESSURE,
FLARELESS, WELDED, STRAIGHT TO 90°
FITTING ENDS, METRIC

MA2103
SHEET 1 OF 2

REV.
A