

REV.
B

MA2038

FEDERAL SUPPLY CLASS
4730

RATIONALE

MA2038B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

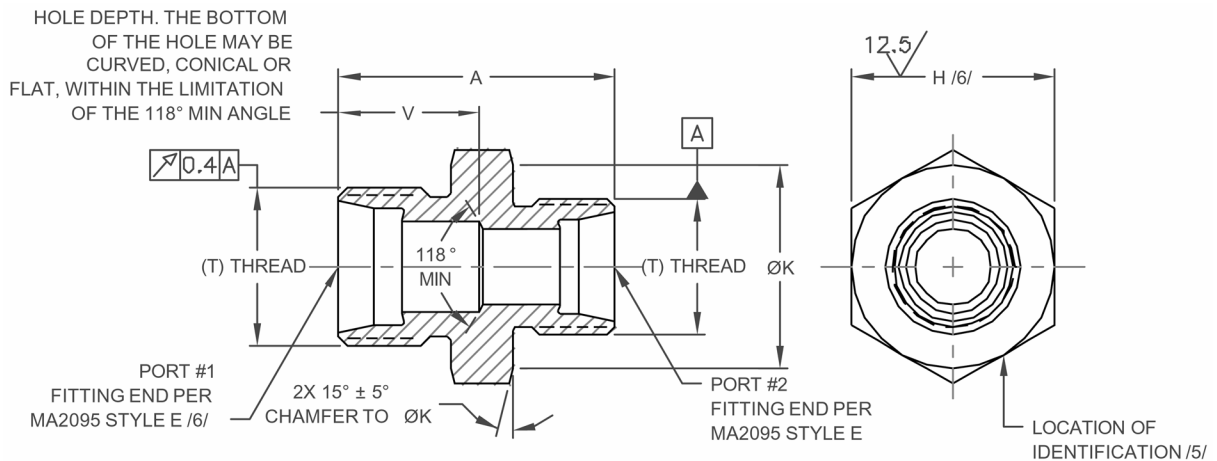


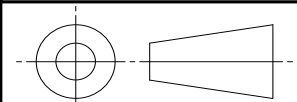
FIGURE 1 - UNION, REDUCER

TABLE 1 - DIMENSION, OVERALL LENGTH

PORT #2 SIZE	A PORT #1 SIZE 06	A PORT #1 SIZE 08	A PORT #1 SIZE 10	A PORT #1 SIZE 12	A PORT #1 SIZE 14	A PORT #1 SIZE 16	A PORT #1 SIZE 20	A PORT #1 SIZE 25	A PORT #1 SIZE 32	A PORT #1 SIZE 40
05	23.0	24.0	26.0	26.0	27.0	27.0	27.0	28.0	29.0	31.0
06	-	25.0	27.0	27.0	28.0	28.0	28.0	29.0	30.0	32.0
08	-	-	28.0	28.0	29.0	29.0	29.0	30.0	31.0	33.0
10	-	-	-	29.0	30.0	30.0	30.0	31.0	32.0	34.0
12	-	-	-	-	30.0	30.0	30.0	31.0	32.0	34.0
14	-	-	-	-	-	30.0	30.0	31.0	32.0	34.0
16	-	-	-	-	-	-	30.0	31.0	32.0	34.0
20	-	-	-	-	-	-	-	31.0	32.0	34.0
25	-	-	-	-	-	-	-	-	33.0	35.0
32	-	-	-	-	-	-	-	-	-	36.0
40	-	-	-	-	-	-	-	-	-	-

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/MA2038B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: MA2005 /4/ (ISO 7169)



AEROSPACE STANDARD

(R) UNION, REDUCER, FLARELESS TUBE, METRIC

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TABLE 2 - DIMENSION, HOLE DEPTH

	V +0/-0.5	V +0/-0.5	V +0/-0.5	V +0/-0.5	V +0/-0.5	V +0/-0.5	V +0/-0.5	V +0/-0.5	V +0/-0.5	V +0/-0.5
PORT #2 SIZE	PORT #1 SIZE 06	PORT #1 SIZE 08	PORT #1 SIZE 10	PORT #1 SIZE 12	PORT #1 SIZE 14	PORT #1 SIZE 16	PORT #1 SIZE 20	PORT #1 SIZE 25	PORT #1 SIZE 32	PORT #1 SIZE 40
05	12.0	12.5	13.5	13.0	13.5	13.0	12.0	12.0	11.0	10.5
06	-	13.0	13.5	13.0	13.5	13.0	12.5	12.0	11.0	11.0
08	-	-	14.0	13.5	14.0	13.5	13.0	12.5	11.5	11.5
10	-	-	-	14.0	14.5	14.0	13.5	13.0	12.0	12.0
12	-	-	-	-	15.0	14.5	14.0	13.5	12.5	12.5
14	-	-	-	-	-	15.0	14.5	14.0	13.5	13.0
16	-	-	-	-	-	-	15.0	14.5	14.0	13.0
20	-	-	-	-	-	-	-	16.0	15.0	14.5
25	-	-	-	-	-	-	-	-	17.0	16.0
32	-	-	-	-	-	-	-	-	-	18.0
40	-	-	-	-	-	-	-	-	-	-

TABLE 3 - PORT SIZES CORRESPONDING THREADS, HEX SIZES, AND WEIGHTS

BASIC NO. MA2038 /13/ SIZE CODE	(NOMINAL TUBE SIZE DN) /1/ PER MA1370	T H	K ±0.2	KG/EA APPROX REF ALUM	KG/EA APPROX REF CRES	KG/EA APPROX REF TI
06	06	MJ12 X 1.25	13.71-14.00	13.71	0.00576	0.01600
08	08	MJ14 X 1.50	16.73-17.00	16.71	0.00779	0.02160
10	10	MJ16 X 1.50	16.73-17.00	16.71	0.00970	0.02690
12	12	MJ18 X 1.50	18.67-19.00	18.65	0.01170	0.03230
14	14	MJ20 X 1.50	21.67-22.00	21.65	0.01560	0.04320
16	16	MJ22 X 1.50	23.67-24.00	23.65	0.01760	0.04870
20	20	MJ27 X 1.50	29.67-30.00	29.65	0.02740	0.07590
25	25	MJ33 X 1.50	35.38-36.00	35.65	0.04260	0.11800
32	32	MJ42 X 2.00	45.38-46.00	45.36	0.06920	0.19200
40	40	MJ50 X 2.00	54.26-55.00	54.24	0.09650	0.26800



AEROSPACE STANDARD

(R) UNION, REDUCER, FLARELESS TUBE, METRIC

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