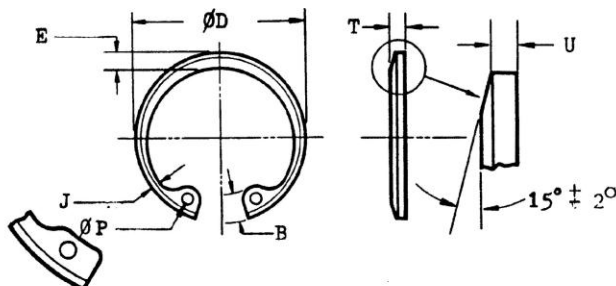


RATIONALE

FEDERAL SUPPLY CLASS
5365

MA4029 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.



LUG CONFIGURATION
FOR -52 THRU -82

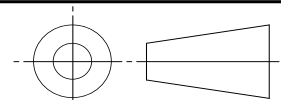
TABLE I. RING DIMENSIONS, FREE STATE

PART NO.	NOM BORE DIA	D	T	U ^{1/}	P MIN	B NOM	E NOM	J NOM	APPROX MASS kg/1000
MA4029-25	25	27.50 - 28.15	1.04 - 1.16	0.81 - 0.87	1.5	4.0	2.6	1.3	1.3
MA4029-26	26	28.60 - 29.25	1.04 - 1.16	0.81 - 0.87	1.5	4.0	2.7	1.4	1.3
MA4029-27	27	29.45 - 30.60	1.24 - 1.36	1.01 - 1.07	1.9	4.6	2.8	1.4	1.7
MA4029-28	28	30.60 - 31.75	1.24 - 1.36	0.99 - 1.05	1.9	4.6	2.9	1.5	1.8
MA4029-30	30	32.90 - 34.05	1.24 - 1.36	0.99 - 1.05	1.9	4.6	3.0	1.5	2.0
MA4029-32	32	34.85 - 36.00	1.24 - 1.36	0.96 - 1.02	1.9	4.6	3.1	1.6	2.2
MA4029-34	34	37.25 - 38.40	1.24 - 1.36	0.94 - 1.00	1.9	4.6	3.2	1.6	2.3
MA4029-35	35	38.25 - 39.40	1.24 - 1.36	0.94 - 1.00	1.9	4.6	3.3	1.6	2.3
MA4029-36	36	39.50 - 40.65	1.24 - 1.36	0.91 - 0.97	1.9	4.6	3.4	1.7	2.6
MA4029-37	37	40.55 - 41.70	1.24 - 1.36	0.91 - 0.97	1.9	4.6	3.4	1.7	2.9
MA4029-38	38	41.65 - 42.80	1.24 - 1.36	0.91 - 0.97	1.9	4.6	3.4	1.7	3.0
MA4029-40	40	43.60 - 45.15	1.52 - 1.68	1.19 - 1.25	1.9	5.1	4.0	2.0	4.0
MA4029-42	42	45.95 - 47.50	1.52 - 1.68	1.16 - 1.22	1.9	5.8	4.2	2.1	4.7
MA4029-45	45	49.30 - 50.85	1.52 - 1.68	1.14 - 1.20	1.9	6.0	4.3	2.1	5.1
MA4029-46	46	50.40 - 51.95	1.52 - 1.68	1.14 - 1.20	2.3	6.0	4.3	2.1	5.2
MA4029-47	47	51.50 - 53.05	1.52 - 1.68	1.14 - 1.20	2.3	6.0	4.3	2.2	5.8
MA4029-48	48	52.65 - 54.20	1.52 - 1.68	1.14 - 1.20	2.3	6.0	4.5	2.3	6.1
MA4029-50	50	54.70 - 56.25	1.52 - 1.68	1.14 - 1.20	2.3	6.0	4.6	2.3	6.2
MA4029-52	52	57.15 - 58.90	1.92 - 2.08	1.48 - 1.56	2.3	6.4	4.7	2.3	8.1
MA4029-55	55	60.35 - 62.10	1.92 - 2.08	1.46 - 1.54	2.3	6.7	5.1	2.5	8.9
MA4029-57	57	62.50 - 64.25	1.92 - 2.08	1.46 - 1.54	2.3	6.9	5.2	2.5	9.9
MA4029-58	58	63.65 - 65.40	1.92 - 2.08	1.46 - 1.54	2.3	6.9	5.3	2.6	10.1
MA4029-60	60	66.05 - 67.80	1.92 - 2.08	1.43 - 1.51	2.3	6.9	5.3	2.6	10.5
MA4029-62	62	67.85 - 69.60	1.92 - 2.08	1.41 - 1.49	2.7	7.1	5.3	2.6	11.5
MA4029-63	63	69.15 - 70.90	1.92 - 2.08	1.41 - 1.49	2.7	7.1	5.4	2.7	11.6
MA4029-65	65	71.45 - 73.20	2.32 - 2.48	1.80 - 1.90	2.7	7.4	5.6	2.8	15.4
MA4029-68	68	74.95 - 76.70	2.32 - 2.48	1.75 - 1.85	2.7	7.6	5.8	2.9	15.9

^{1/} DIMENSION U IS USED IN THE CALCULATION OF THE LOCATION OF THE GROOVE.

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/MA4029>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
An SAE International Group

METRIC AEROSPACE STANDARD

RING, RETAINING - INTERNAL,
BEVELED, TAPERED, TYPE II, CLASS 1
AMS 5520, METRIC

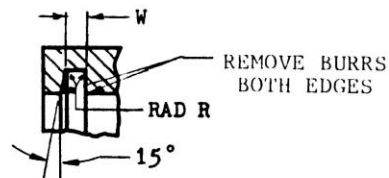
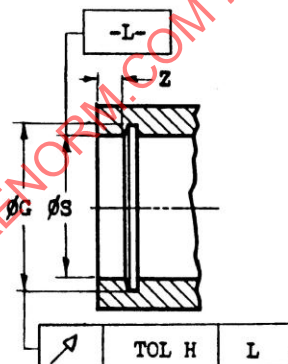
SAE MA4029
SHEET 1 OF 3

TABLE I. RING DIMENSIONS, FREE STATE, (CONTINUED)

PART NO.	NOM BORE DIA	D	T	U 1/	P MIN	B NOM	E NOM	J NOM	APPROX MASS kg/1000
MA4029-70	70	76.75 - 78.50	2.32 - 2.48	1.75 - 1.85	2.7	7.6	5.8	2.9	16.1
MA4029-72	72	78.85 - 80.60	2.32 - 2.48	1.75 - 1.85	2.7	7.6	5.8	2.9	16.3
MA4029-75	75	82.55 - 84.30	2.32 - 2.48	1.70 - 1.80	2.7	7.9	6.2	3.1	19.3
MA4029-78	78	85.40 - 88.20	2.72 - 2.88	2.04 - 2.16	3.1	7.9	6.5	3.2	24.0
MA4029-80	80	87.70 - 90.50	2.72 - 2.88	2.04 - 2.16	3.1	7.9	6.7	3.3	25.9
MA4029-82	82	89.70 - 92.50	2.72 - 2.88	2.04 - 2.16	3.1	8.7	6.9	3.4	27.2

NOTES:

1. MATERIAL: CRES, AMS 5520 (UNS S15700)
2. HEAT TREATMENT: AUSTENITE CONDITIONED & PRECIPITATION HEAT TREATED PER MTL. SPEC.
3. HARDNESS: 44 - 51 HRC OR EQUIVALENT.
4. FINISH: PASSIVATE IN ACCORDANCE WITH MA4036
5. PROCUREMENT SPECIFICATION: MA 4036.
6. SURFACE TEXTURE: REQUIREMENTS PER ANSI B46.1-1985 SURFACES TO BE 1.6 MICROMETRES Ra MAX EXCEPT INSIDE AND OUTSIDE EDGES.
7. DIMENSIONING AND TOLERANCING: ANSI Y14.5M-1982.
8. DIMENSIONS IN MILLIMETRES.
9. REMOVE BURRS AND SHARP EDGES.
10. DO NOT USE UNASSIGNED PART NUMBERS.



DETAIL OF GROOVE

MA & AMS ARE SAE PUBLICATIONS.

ANSI IS AMERICAN NATIONAL STANDARDS INSTITUTE PUBLICATION.