

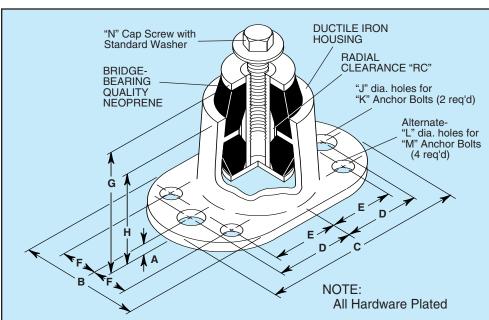
MASON INDUSTRIES, Inc.

Manufacturers of Vibration Control Products

350 Rabro Drive Hauppauge, NY 11788 631/348-0282 FAX 631/348-0279 Info@Mason-Ind.com www.Mason-Ind.com 2101 W. Crescent Ave., Suite D Anaheim, CA 92801 714/535-2727 FAX 714/535-5738 Info@MasonAnaheim.com www.MasonAnaheim.com ALL DIRECTIONAL CAPTIVE MOUNTING FOR SEISMIC, MOBILE, MARINE, WALL HUNG and OVERSEAS APPLICATIONS



DATA SHEET DS-400-7.2A



TYPE BR DIMENSIONS (inches millimeters)

	THE BIT BINDERO (MICHOE MINIMOTOR)													
Type	Α	В	С	D	Е	F	G	Н	J	K	L	M	N	RC
BRA	3/16 5	21/2 64	41/4 108	15/8 41	13/8 35	3/4 19	3 76	1 25	1/2 13	3/8 10	3/8 10	1/4 6	5/16 x 1 8 x 25	3/16 5
BRB	3/16 5	31/4 83	53/4 146	21/4 57	17/8 48	7/8 22	3 76	2 51	5/8 16	1/2 13	1/2 13	3/8 10	7/16 x 1 11 x 25	1/4 6
BRC	1/4 6	51/4 133	9 229	35/8 92	3 76	11/2 38	61/2 165	41/2 114				5/8 16	5/8 x 11/2 16 x 38	5/8 16
BRD	1/4 6	6 152	101/2 267	43/8 111	35/8 92		61/2 165	41/2 114		3/4 19	3/4 19	5/8 16	5/8 x 11/2 16 x 38	5/8 16

TYPE BR RATINGS

		Size		COM Rat		SSION Rated		ENSI ted	ON Rated		SHE <i>A</i> ted	AR Rated	Maximum Horizontal
ŀ	Гуре	(Color Mark)	Duro- meter	Capa (lbs)		Defl (in)(mm)		acity kgs)	Defl (in)(mm)		acity (kgs)	Defl (in)(mm)	Static G Rating*
		A-Green A-Red A-White A-Yellow	40 50 60 70	85 125 205 290	39 57 93 132	0.2 5	85 125 205 290	39 57 95 132	0.18 5	20 30 50 70	9 14 23 32	0.13 3	10.4 7.0 4.3 3.0
	BR-	B-Red B-White B-Yellow	50 60 70	450 740 1040	204 336 472	0.2 5	500 750 1050	227 340 476	0.18	100 170 240	45 77 109	0.15 4	3.4 2.1 1.5
		C-Red C-White C-Yellow	50 60 70	650 1100 1540	295 499 699	0.3	750 1150 1610	340 522 730	0.25	380 500 700	227	0.50 13	2.8 1.6 1.2
		D-White D-Yellow	60 70	2390 3150		0.3 8	2450 3430		0.25 6	750 1050	340 476	0.50 13	1.3 1.0

All Rated Capacities are based on proper neoprene loadings without metal to metal contact. Seismic Max. G Ratings are based on metal failure under static seismic loadings as defined in the building codes.

*Horizontal G Ratings are for quick reference only- Use OSHPD Rated Load Curves.

BRIDGE-BEARING NEOPRENE SPECIFICATIONS

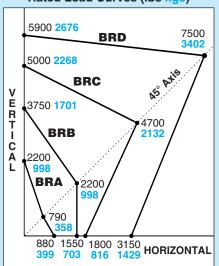
(a) Duro-		ES (b) Elongat. at Break	OVEN A Hard- ness	c) AGING(7 Tensile Strength	Elongat. at Break	GING (d) OZONE 1 ppm in air by Vol.20% Strain 100F°	150F°
50±5	2000 psi 2500 psi 2500 psi	400%	+15%	±15%	-40%	No Cracks No Cracks No Cracks	25%(max)

(a)ASTM D-676 (b)ASTM D-412 (c)ASTM D-573 (d)ASTM D-1149 (e)ASTM D-395



COMPRESSION

OSHPD OPA-0201
Rated Load Curves (lbs kgs)



Horizontal, Vertical and 45° plotted Ratings are California OSHPD approved values having the OSHPD Anchorage Preapproval Number OPA-0201. Testing and calculations were performed to meet OSHPD criteria.

To use approved OSHPD rated load curves: 1) Calculate Vertical and Horizontal Forces on mounting including translations and overturning moments. 2) Plot Horizontal Load vs Vertical Load. The point must fall within the area below the OSHPD curve.

Specification

Captive Neoprene elements shall be arranged in opposition within a steel or ductile iron housing to provide positive mechanical restraint in all directions. Neoprene elements shall prevent metal to metal contact during normal operation. Bonded assemblies without mechanical interlocks are not acceptable. Neoprene elements shall be of bridge bearing quality as tabulated.

All mountings shall have minimum 1.0 horizontal G ratings and anchorage preapproval "OPA" numbers from the Office of Statewide Health Planning and Development (OSHPD) in the state of California, attesting to the maximum horizontal and vertical load ratings. All mountings shall have bolts for rigid attachment to the equipment and adequate base bolting provision. Mountings shall have a minimum static deflection of 0.2" (5 mm).

In seismic zones, submittals shall include calculations showing that the intersection of the horizontal and vertical seismic loads fall below the OSHPD approved curves. Anchorages must be designed to meet the applicable building codes. All calculations must be signed by a professional engineer. Mountings shall be type BR as manufactured by Mason Industries, Inc.



TENSION S

SHEAR



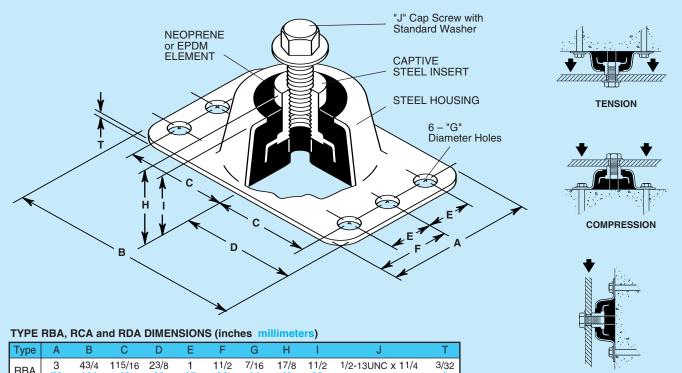
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Manufacturers of Vibration Control Products

350 Rabro Drive Hauppauge, NY 11788 631/348-0282 FAX 631/348-0279 Info@Mason-Ind.com www.Mason-Ind.com 2101 W. Crescent Ave., Suite D Anaheim, CA 92801 714/535-2727 FAX 714/535-5738 Info@MasonAnaheim.com www.MasonAnaheim.com NEOPRENE MOUNTINGS WITH CAPTIVE STEEL INSERTS FOR SECURING EQUIPMENT TO WALLS, FLOORS OR CEILINGS IN SEISMIC, MOBILE OR STATIONARY INSTALLATIONS

RBA, RCA & RDA

DATA SHEET DS-400-7.2B



Туре	Α	В	С	D	Е	F	G	Н	T	J	Т
RBA	3 76	43/4 121	115/16 49	23/8 60	1 25	11/2 38	7/16 11	17/8 48	11/2 38	1/2-13UNC x 11/4	3/32 2
RCA	33/4 95	61/4 159	21/2 64	31/8 79	11/4 32	17/8 48	9/16 14	17/8 48	11/2 38	5/8 -11UNC x 11/4	3/32 2
RDA	5 127	8 203	31/4 83	4 102	13/4 44	21/2 64	3/4 19	23/8 60	17/8 48	7/8 -9UNC x 11/4	3/16 5

TYPE RBA, RCA and RDA RATINGS

			COMPRESSION			TENSION			SHEAR			Maximum
Туре	Size (Color Mark)	Duro- meter	Rate Capa (Ibs) (city	Rated Defl (in)(mm)	Rat Capa (lbs)	acity	Rated Defl (in)(mm)	Rate Capa (Ibs) (city	Rated Defl (in)(mm)	Horizontal Static G Rating*
RBA-	Black Green White	30 45 60	250 525 1000	113 238 454	0.15 4	200 420 800	91 191 363	0.12 3	200 420 800		0.09	13.6 6.5 3.4
RCA-	Green Red White	40 50 60	1400 2100 3500	635 953 1588	0.15 4	1000 1500 2500	454 680 1134	0.12 3	400 600 1000	272	0.09	2.7 1.8 1.1
RDA-	Green Red White	40 50 60	2800 1 4200 1 7100 3	1910	0.18 5	2000 2900 4200		0.15 4	900 1300 1800	590	0.12	3.3 2.2 1.3

All Rated Capacities are based on proper neoprene loadings without metal to metal contact. Seismic Max. G Ratings are based on metal failure under static seismic loadings as defined in the building codes.

Specification

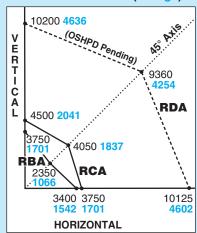
Captive neoprene mountings shall consist of a steel housing with a captive steel insert embedded in neoprene to prevent contact between the housing and the central threaded insert. Bonded assemblies without mechanical interlocks are not acceptable.

All mountings shall have minimum 1.0 horizontal G ratings and anchorage preapproval "OPA" numbers from the Office of Statewide Health Planning and Development (OSHPD) in the state of California, attesting to the maximum horizontal and vertical load ratings. All mountings shall have bolts for rigid attachment to the equipment and adequate base bolting provision. Mountings shall have a minimum static deflection of 0.15" (4 mm).

In seismic zones, submittals shall include calculations showing that the intersection of the horizontal and vertical seismic loads fall below the OSHPD approved curves. Anchorages must be designed to meet the applicable building codes. All calculations must be signed by a professional engineer. Mountings shall be type RBA, RCA and RDA as manufactured by Mason Industries, Inc.

OSHPD OPA-0200 Rated Load Curves (lbs kgs)

SHEAR



Horizontal, Vertical and 45° plotted Ratings are California OSHPD approved values having the OSHPD Anchorage Preapproval Number OPA-0200. Testing and calculations were performed to meet OSHPD criteria.

To use approved OSHPD rated load curves: 1) Calculate Vertical and Horizontal Forces on mounting including translations and overturning moments. 2) Plot Horizontal Load vs Vertical Load. The point must fall within the area below the OSHPD curve.

^{*}Horizontal G Ratings are for quick reference only- Use OSHPD Rated Load Curves.