



MASON INDUSTRIES, Inc.

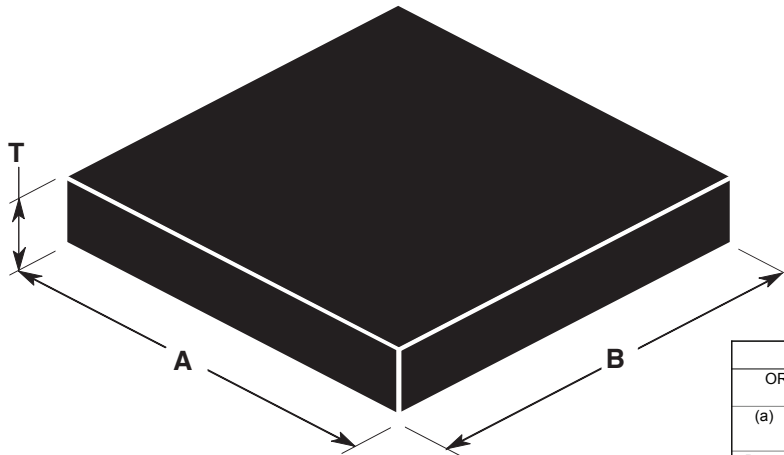
Manufacturers of Vibration Control Products

350 Rabro Drive 2101 W. Crescent Ave., Suite D
 Hauppauge, NY 11788 Anaheim, CA 92801
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 FAX 631/348-0279 FAX 714/535-5738
 Info@Mason-Ind.com • www.Mason-Ind.com

JOB NAME _____
 CUSTOMER _____
 CUSTOMER P.O. _____
 MASON M.I. _____
 DWG. NO. _____

BBP

Bridge Quality
 Neoprene
 Bearing Pad



Type BBP Thickness

Size (T)	
(in)	(mm)
1/4	6
3/8	10
1/2	13
5/8	16
3/4	19
1	25
1 1/4	32
1 1/2	38

ACTUAL PAD SIZES ARE AS SCHEDULED BELOW

BRIDGE BEARING NEOPRENE SPECIFICATIONS							
ORIGINAL PHYSICAL PROPERTIES			TESTING FOR AGING				COMPRES-SION SET
(a)	(b)	(b)	(c)			(d)	(e)
Duro-meter	Tensile Strength [min]	Elongat. at Break [min]	Oven Aging (70hrs/212°F)			100 ppm in air by Vol. 20% Strain 100°F	22hrs/212°F Method B
			Hard-ness [max]	Tensile Strength [max]	Elongat. at Break [min]	No Cracks	35% (max)
40±5	2000 psi	450%	+15%	±15%	-40%	No Cracks	35% (max)
50±5	2250 psi	400%	+15%	±15%	-40%	No Cracks	35% (max)
60±5	2250 psi	350%	+15%	±15%	-40%	No Cracks	35% (max)

(a)ASTM D-2240 (b)ASTM D-412 (c)ASTM D-573 (d)ASTM D-1149 (e)ASTM D-395

Typical 1" 25mm Thick 60 duro BBP Loadings

Minimum Load at 0.10" 3mm Deflection, Maximum Load at 0.15" 3.8mm Deflection

Pad Size (A x B) (in) (mm)	Load Range (lbs) (kg)	Pad Size (A x B) (in) (mm)	Load Range (lbs) (kg)
2 x 2 51 x 51	300 - 450 135 - 205	8 x 8 203 x 203	20800 - 31200 10635 - 15955
3 x 3 76 x 76	990 - 1485 450 - 675	8 x 12 203 x 305	38400 - 57600 17455 - 26180
3 x 6 76 x 152	2340 - 3510 1065 - 1595	10 x 10 254 x 254	42500 - 63750 19320 - 28980
4 x 4 102 x 102	2400 - 3600 1090 - 1635	10 x 12 254 x 305	55200 - 82800 25090 - 37635
4 x 6 102 x 152	4080 - 6120 1855 - 2780	12 x 12 305 x 305	79200 - 118800 36000 - 54000
6 x 6 152 x 152	7600 - 12000 3455 - 5455	15 x 15 381 x 381	146250 - 219375 66480 - 99715
6 x 8 152 x 203	12000 - 18000 5455 - 8180	18 x 18 457 x 457	243000 - 364000 110455 - 165455
6 x 12 152 x 305	23400 - 35100 9455 - 14180	24 x 24 576 x 576	432000 - 648000 196365 - 294545

Approximate Load Corrections

1/2" 13mm Pads - Twice the load 2" 50mm Pads - Half the Load
 40 Duro-55%, 50 Duro-75%, 70 Duro-160% of 60 Duro loadings

PLAN VIEW OF PAD LOCATIONS

TAG : _____
 UNIT: _____



Durometer of Pad Material to be: DURO

1 :	6 :
2 :	7 :
3 :	8 :
4 :	9 :
5 :	10 :

Sets Required:

Type BBP Dimensions (inches) (mm)

A	B	T



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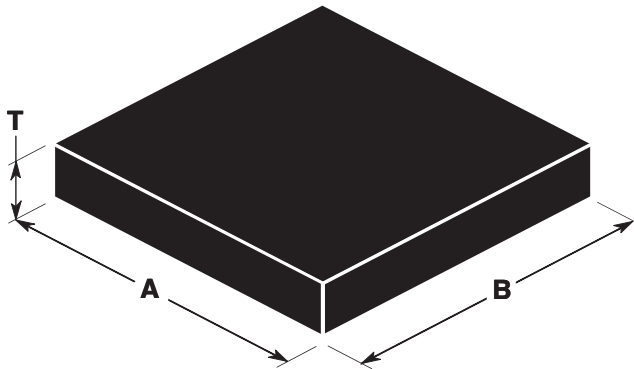
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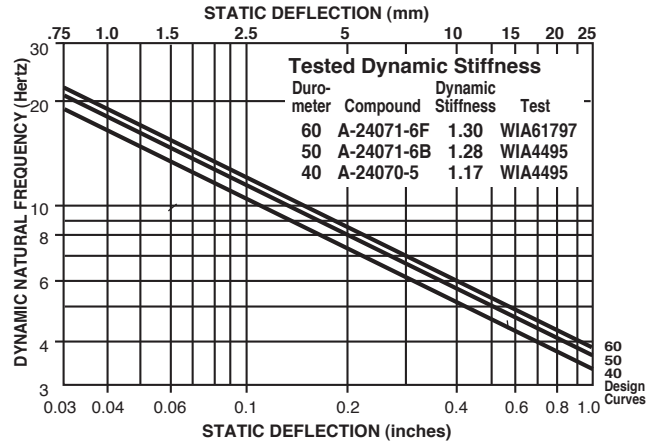
JOB NAME _____
 CUSTOMER _____
 CUSTOMER P.O. _____
 MASON M.I. _____
 DWG. NO. _____

BBP-NR

Bridge Quality
 Natural Rubber
 Bearing Pad



MASON LOW DYNAMIC STIFFNESS (LDS) BRIDGE BEARING COMPOUNDS. DYNAMIC NATURAL FREQUENCY/DEFLECTION CHART



AASHTO BRIDGE BEARING SPECIFICATIONS FOR POLYISOPRENE

ORIGINAL PHYSICAL PROPERTIES	TESTED FOR AGING			COMPRESSION SET	LONG TERM CREEP		
	OVEN AGING (70hrs/158°F)	OZONE					
Tests: ASTM D-2240 & D-412	ASTM D-573	ASTM D-1149	ASTM D-395	ASTM D-395	ISO8013		
Duro-meter Strength at Break Shore A	Hardness at Break (max)	Tensile Strength at Break (max)	Elongat. at Break (max)	25 ppm in air by Vol. 20% Strain 100°F	22hrs/158°F Method B	168hrs	
40±5* 2000 psi	500%	+10%	-25%	-25%	No Cracks	25%(max)	5%(max)
50±5 2250 psi	450%	+10%	-25%	-25%	No Cracks	25%(max)	5%(max)
60±5 2250 psi	400%	+10%	-25%	-25%	No Cracks	25%(max)	5%(max)
70±5 2250 psi	300%	+10%	-25%	-25%	No Cracks	25%(max)	5%(max)

*AASHTO does not spec 40 Duro. 40 Duro by Mason.

ACTUAL PAD SIZES ARE AS SCHEDULED BELOW

Type BBP-NR Thickness

Size (T)	
(in)	(mm)
1/4	6
3/8	10
1/2	13
5/8	16
3/4	19
1	25
1 1/4	32
1 1/2	38

Typical 1" 25mm Thick 60 duro BBP-NR Loadings							
Lower Load at 0.10" 3mm Deflection				Maximum Load at 0.15" 3.8mm Deflection			
Pad Size (A x B)	Load Range			Pad Size (A x B)	Load Range		
(in) (mm)	(lbs) (kg)			(in) (mm)	(lbs) (kg)		
2 x 2 51 x 51	300 - 450 135 - 205			8 x 8 203 x 203	20800 - 31200 10635 - 15955		
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UNIT: _____



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