



THE STEADY FORCE IN SHOCK & VIBRATION ISOLATION

Barry Controls P.O. Box 9105, Brighton, MA 02135-9105

12/99



70-101

**BARRY
CONTROLS**

Engineered Solutions for Controlling Shock, Vibration & Noise

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The Steady Force in Shock & Vibration Isolation



Engineered Solutions
for Controlling Shock, Vibration & Noise



Barry Controls is an organization driven by the application of technology to provide solutions to shock, vibration, noise and motion control problems across a diverse global customer base.

We are committed to providing total customer satisfaction through continuous quality improvement as a value added Engineered Solutions partner, offering cost effective products and the highest levels of customer support and service, while providing a safe and challenging workplace for employees.



THE STEADY FORCE IN SHOCK & VIBRATION ISOLATION

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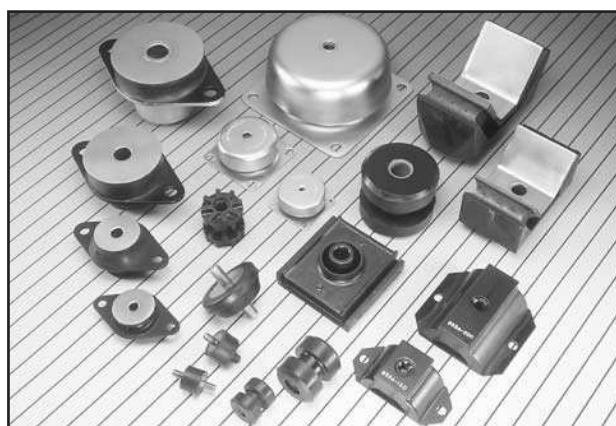
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Bonded Tube Mounts



- 500 Mount Series
- 500SL Mount Series
- HR Mount Series
- 22000 Mount Series
- Barry-Bond Mount Series
- Industrial Conical Mount Series



500 MOUNT SERIES

Features

- Fail-safe when used with snubbing washer
- Axial to radial stiffness of 1:1
- Low natural frequency
- Sturdy, reliable construction

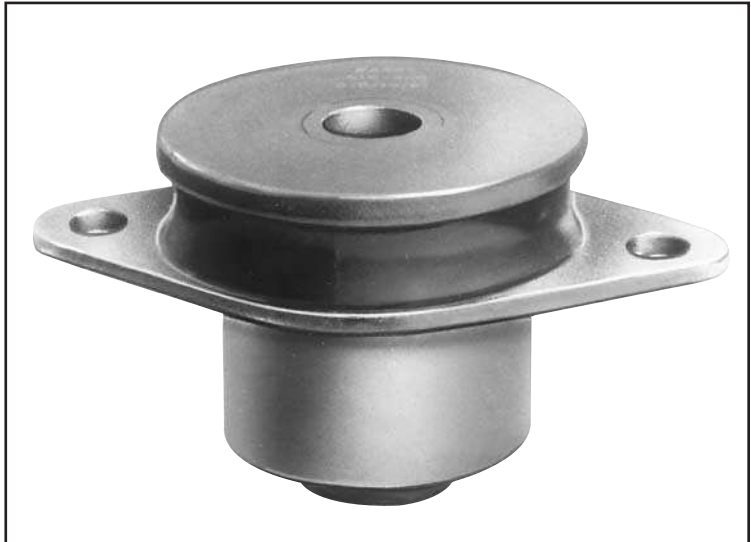
Benefits

- Economical
- Bonded construction provides constant performance characteristics
- Overlapping load ranges

Load Range

- 7 sizes with 31 load ratings to 1,780 lbs. per isolator

Low-profile, high capacity mounts for vibration and shock protection.



500 Series mounts are low cost isolators that provide high load carrying capacity, compact size and stability. These all attitude mounts are perfect for isolating truck, bus and marine engines.

Applications

- Truck, bus and marine engines
- Generators
- HVAC equipment
- Electronic equipment
- Truck cabs
- Machinery, pumps & compressors

Caution: Not suitable for skid steer loaders.

NATURAL FREQUENCY	8-18 Hertz
TRANSMISSIBILITY AT RESONANCE	8:1
RESILIENT ELEMENT	Neoprene
STANDARD MATERIALS	Sintered metal and cold-rolled steel
WEIGHT	See dimensional drawings

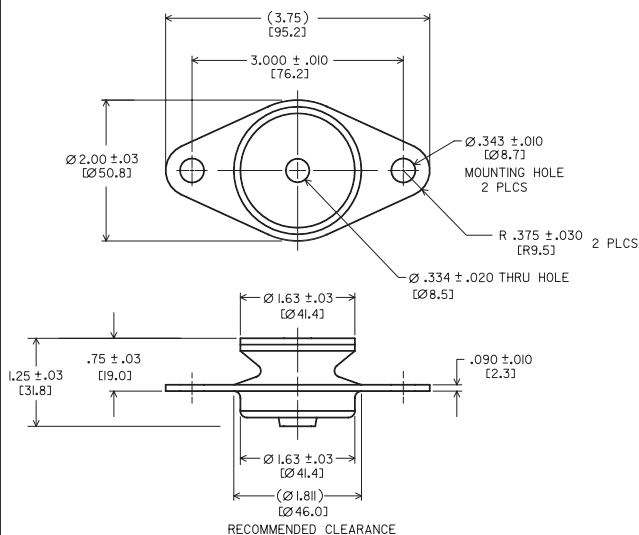
Environmental Data

- Neoprene elastomer has an operating temperature range of -20°F to +180°F (-30°C to +82°C) and is resistant to oils, most solvents and ozone.
- Special elastomers and finishes are available for applications in severe environments. Please note that Silicone elastomer is not compatible with nickel plating.

500 Mount Series (505/506)

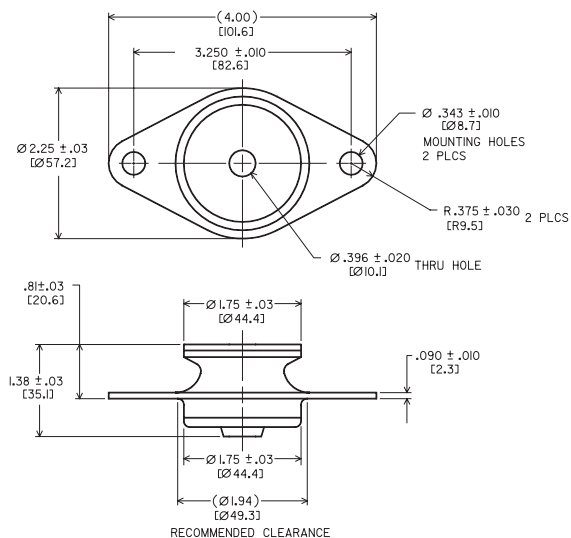
Dimensions & Performance Characteristics

SERIES 505 (.25 lbs.) - NOT FOR RADIAL LOADING



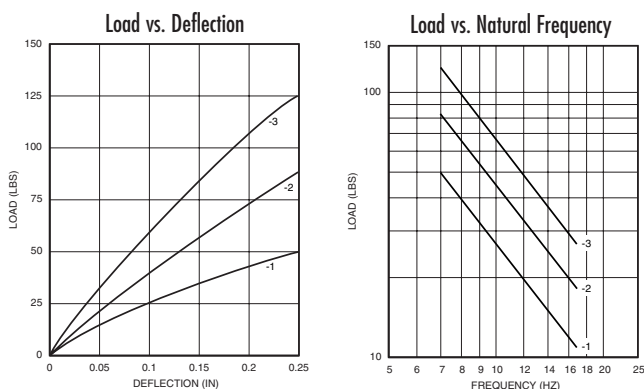
AXIAL STATIC LOAD RANGE - 505 (LBS.)				COLOR CODE
Code	Min.	Nominal	Max.	
-1	12.5	25	38	Red & White
-2	20	40	60	Blue & White
-3	30	60	90	Yellow & White

SERIES 506 (5 oz.) - NOT FOR RADIAL LOADING

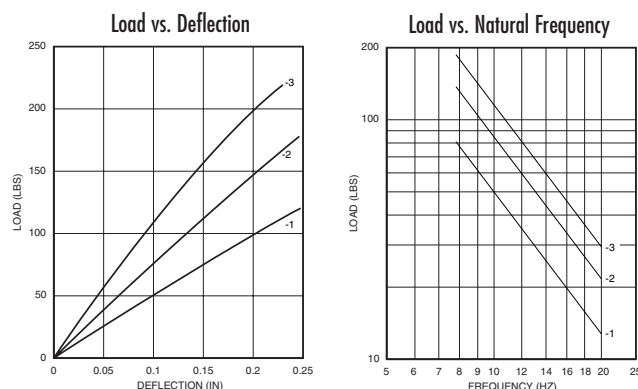


AXIAL STATIC LOAD RANGE - 506 (LBS.)				COLOR CODE
Code	Min.	Nominal	Max.	
-1	25	50	75	Red & White
-2	35	70	105	Blue & White
-3	50	100	150	Yellow & White

505 Series Performance Data



506 Series Performance Data



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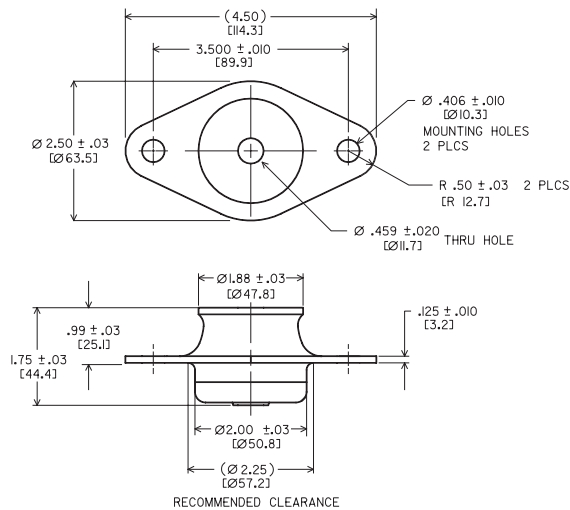
1-800-BARRY MA

500 Mount Series (507)

Dimensions & Performance Characteristics

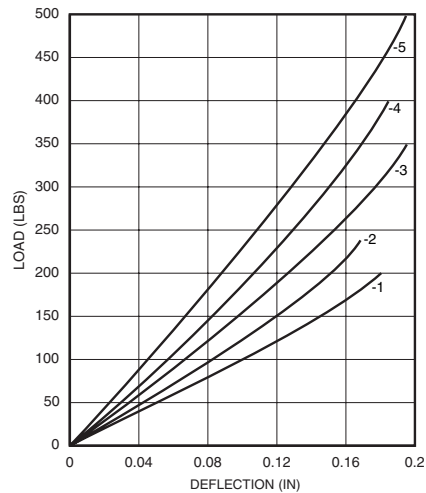
507 MOUNT SERIES (.50 lbs.)

Dimensional Drawing

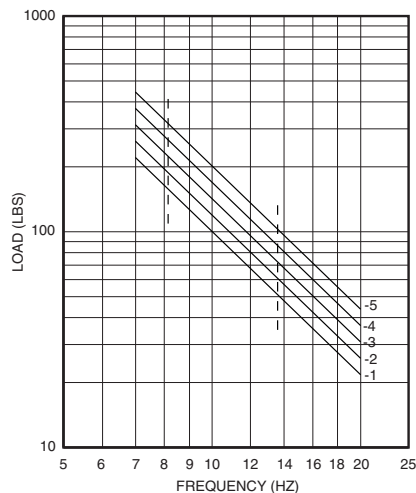


507 Series Performance Data

Load vs. Deflection



Load vs. Natural Frequency



507 SERIES LOAD RANGE (lbs.)					COLOR CODE
Code*	Axial Static Load Range		Radial Static Load Range		
	Nominal	Max.	Nominal	Max.	
-1	100	150	50	100	Red & White
-2	120	180	60	120	Orange
-3	150	225	75	150	Yellow
-4	180	270	90	180	Green
-5	220	330	110	220	Blue

* All available in white.



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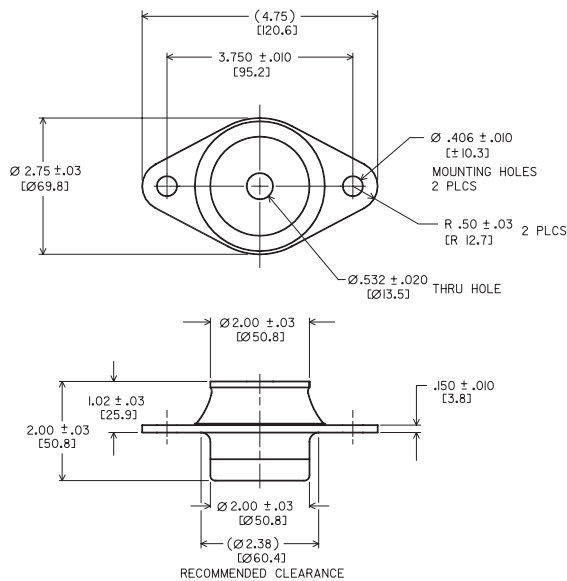
1-800-BARRY MA

500 Mount Series (508)

Dimensions & Performance Characteristics

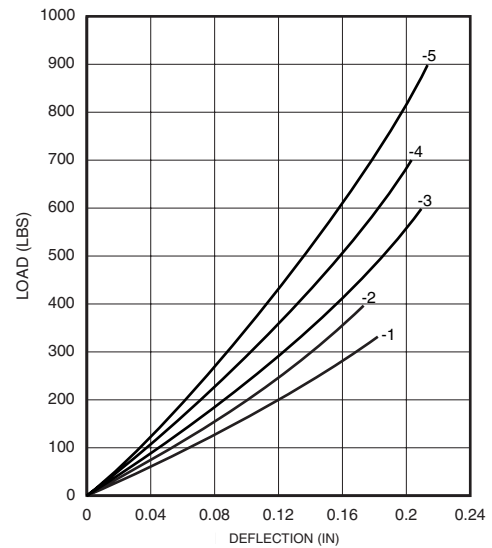
508 MOUNT SERIES (.81 lbs.)

Dimensional Drawing

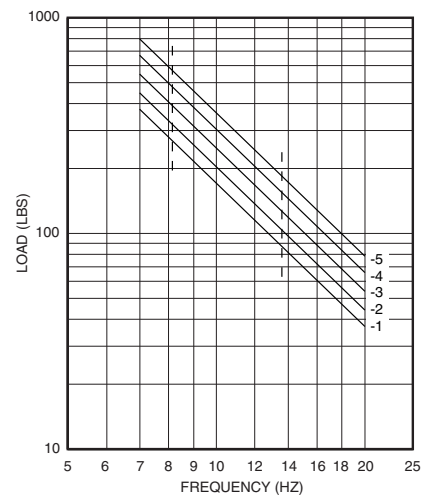


508 Series Performance Data

Load vs. Deflection



Load vs. Natural Frequency



508 SERIES LOAD RANGE (lbs.)					COLOR CODE
Code*	Axial Static Load Range		Radial Static Load Range		
	Nominal	Max.	Nominal	Max.	
-1	180	270	90	180	Red
-2	220	330	110	220	Orange
-3	260	390	130	260	Yellow
-4	320	480	160	320	Green
-5	380	570	190	380	Blue

*All available in white.



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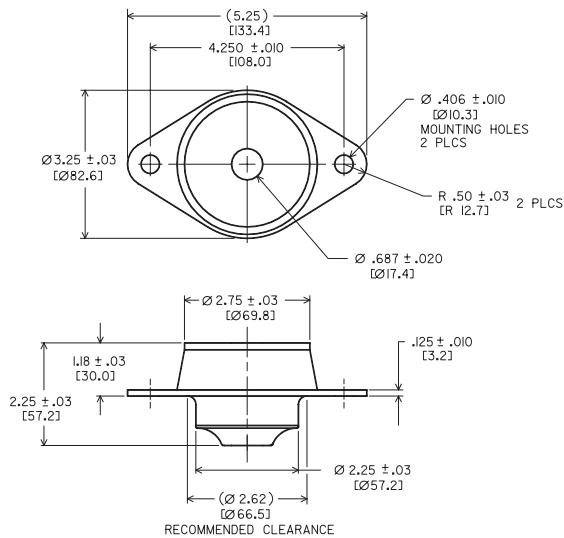
1-800-BARRY MA

500 Mount Series (510)

Dimensions & Performance Characteristics

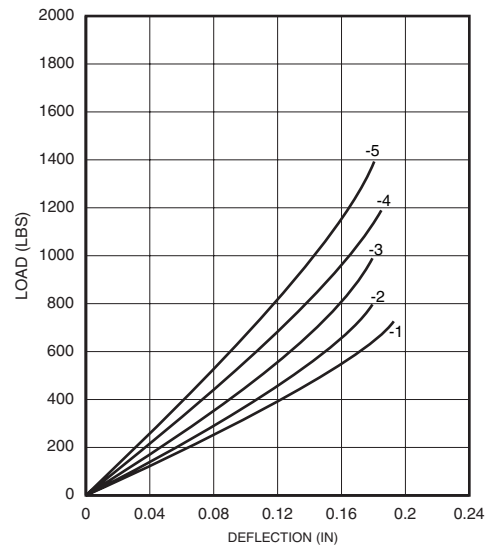
510 MOUNT SERIES (1.19 lbs.)

Dimensional Drawing

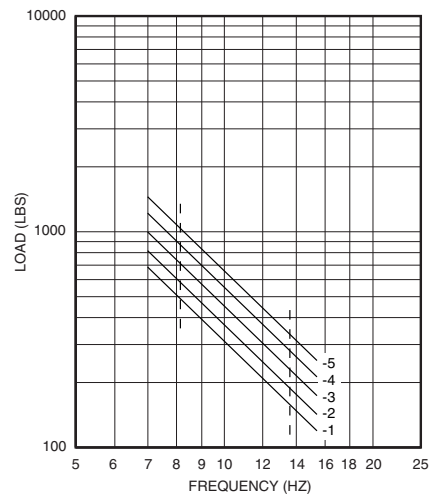


510 Series Performance Data

Load vs. Deflection



Load vs. Natural Frequency



510 SERIES LOAD RANGE (lbs.)					COLOR CODE
Code*	Axial Static Load Range		Radial Static Load Range		
	Nominal	Max.	Nominal	Max.	
-1	320	480	150	320	Orange
-2	380	570	190	380	Yellow
-3	460	690	230	460	Green
-4	560	840	280	560	Blue
-5	680	1020	340	680	Brown

*All available in white.



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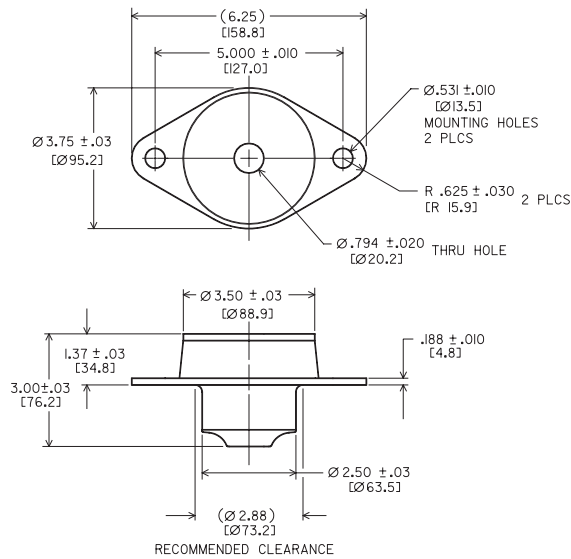
1-800-BARRY MA

500 Mount Series (512)

Dimensions & Performance Characteristics

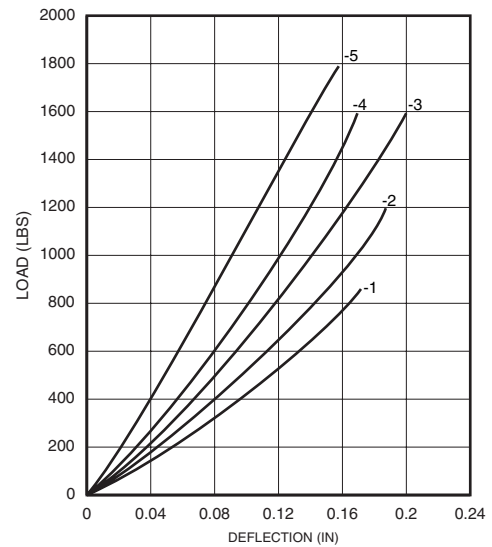
512 MOUNT SERIES (2.06 lbs.)

Dimensional Drawing

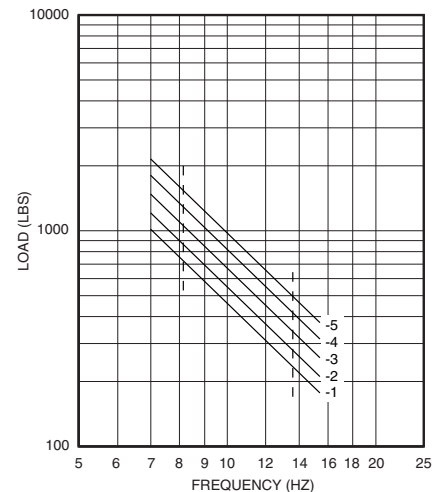


512 Series Performance Data

Load vs. Deflection



Load vs. Natural Frequency



512 SERIES LOAD RANGE (lbs.)					COLOR CODE
Code*	Axial Static Load Range		Radial Static Load Range		
	Nominal	Max.	Nominal	Max.	
-1	460	690	230	450	Red
-2	560	840	280	560	Orange
-3	680	1020	340	680	Yellow
-4	830	1245	415	830	Green
-5	1000	1500	500	1000	Blue

*All available in white.



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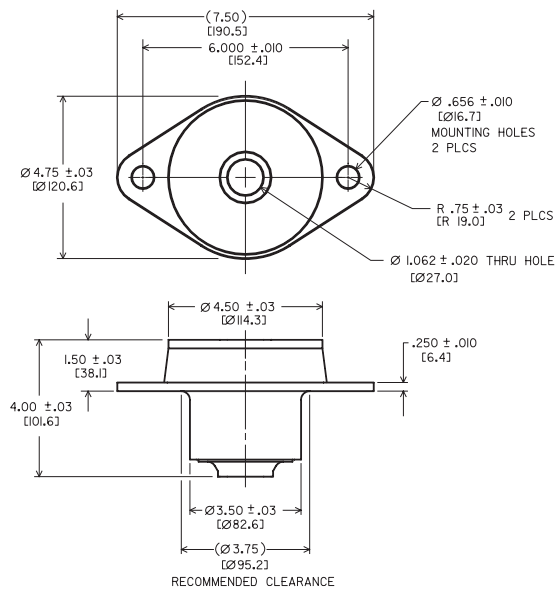
1-800-BARRY MA

500 Mount Series (516)

Dimensions & Performance Characteristics

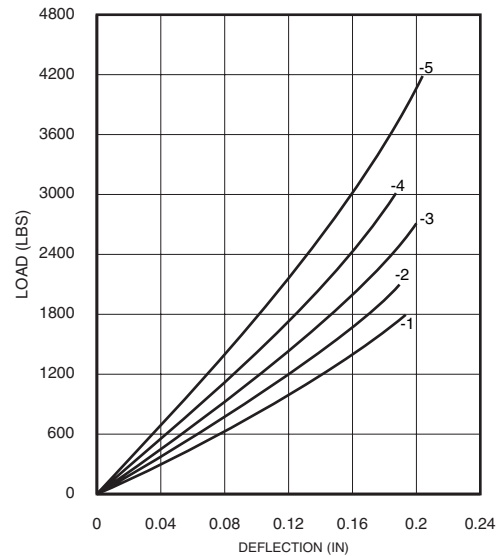
516 MOUNT SERIES (5.44 lbs.)

Dimensional Drawing

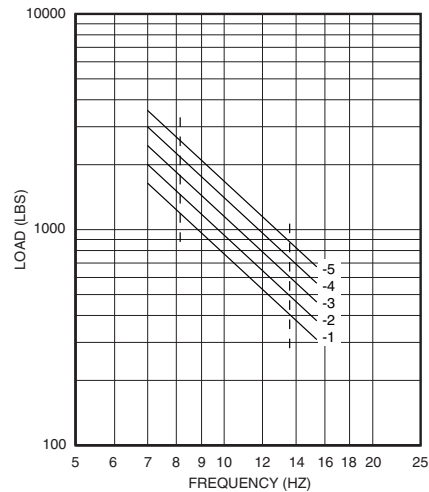


516 Series Performance Data

Load vs. Deflection



Load vs. Natural Frequency



516 SERIES LOAD RANGE (lbs.)					COLOR CODE
Code*	Axial Static Load Range		Radial Static Load Range		
	Nominal	Max.	Nominal	Max.	
-1	830	1245	415	830	Red
-2	1000	1500	500	1000	Orange
-3	1210	1815	605	1210	Yellow
-4	1470	2205	735	1470	Green
-5	1780	2700	890	1780	Blue

*All available in white.



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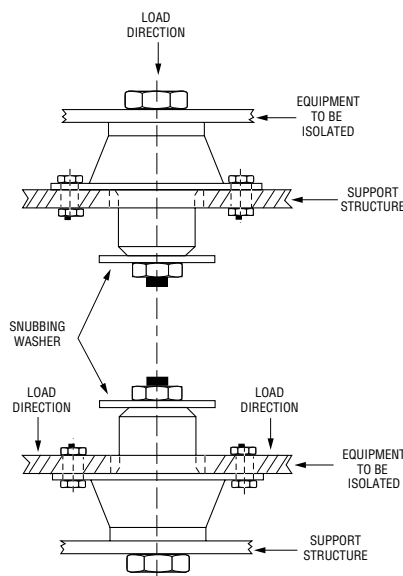
1-800-BARRY MA

500 Mount Series

Technical Data

500 SERIES MAXIMUM TIGHTENING TORQUES			
Part #	Bolt Diameter	Torque (dry)	Torque (lubricated or plated)
505	.313	25*	20*
506	.375	45*	35*
507	.433	80*	60*
508	.500	120*	90*
510	.625	240*	180*
512	.750	380	280
516	1.000	365	275
* = GRADE 8 BOLT TORQUE			

500 MOUNT SERIES RECOMMENDED INSTALLATION



HOW TO ORDER 500 SERIES ISOLATORS

500 - 1 - N - S

Basic model #

Code for load rating

"N" = Neoprene
 "R" = Natural Rubber
 "B" = Butyl
 "S" = Silicone
 "L" = Barry LT

"S" = Standard resistant varnish
 "P" = Black enamel paint
 "E" = Electroless nickel

Standard suffix is "NS". Consult factory for availability and compatibility of other materials & finishes.



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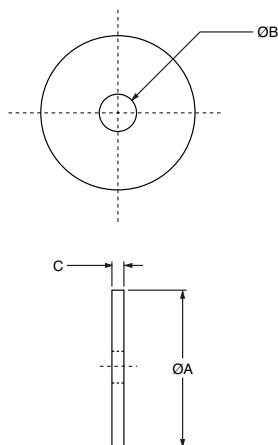
For technical, design, or application assistance, call toll free:

1-800-BARRY MA

500 Mount Series (Snubbing Washer)

Dimensions

500 MOUNT SERIES SNUBBING WASHER



The use of snubbing washers is recommended to ensure proper static and dynamic loading of the isolator and retention of suspended equipment under severe shock environments.

Snubbing washers are ordered by separate part numbers as shown in the table below. The standard material is low-carbon steel and the standard finish is zinc plate. Other materials and finishes are available upon request.

Please consult with Barry Controls Applications Engineering at 1-800-Barry-MA for more information on the use of snubbing washers.

Size	"A" Dia.	"B" Dia.	"C"	Part #
505	1.63	.322	.093	R18733-6
506	1.75	.385	.093	R18733-7
507	2.00	.450	.125	R18733-1
508	2.00	.510	.125	R18733-2
510	2.25	.635	.150	R18733-3
512	2.50	.780	.188	R18733-4
516	3.25	1.010	.250	R18733-5



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500SL MOUNT SERIES

Features

- Fail-safe when used with snubbing washer
- Axial to radial stiffness of 1:2.5
- Low natural frequency
- Sturdy, reliable construction

Benefits

- Economical
- Bonded construction provides constant performance characteristics
- Overlapping load ranges

Load Range

- 558SL = 2 load ratings to 250 lbs. per mount
- 562SL = 2 load ratings to 520 lbs. per mount
- 566SL = 2 load ratings to 1,800 lbs. per mount



Rugged, versatile isolator utilizes elastomer-in-shear for low frequency vibration and in compression for impact shock.



Barry 500SL Series mounts are best suited for applications that require a low vertical natural frequency in conjunction with impact shock protection and superior structure borne noise attenuation.

Applications

- Truck, bus and marine engines
- Generators
- HVAC equipment
- Farm and construction equipment
- Truck cabs
- Machinery, pumps & compressors

NATURAL FREQUENCY	7-10 Hertz
TRANSMISSIBILITY AT RESONANCE	8:1
RESILIENT ELEMENT	Neoprene
STANDARD MATERIALS	Cold-rolled steel
WEIGHT	See dimensional drawings

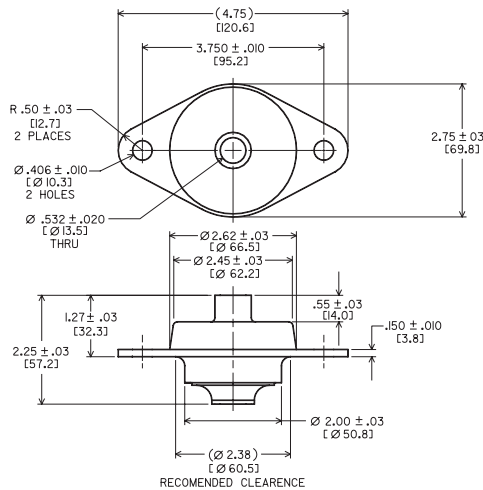
Environmental Data

- Neoprene elastomer has an operating temperature range of -20°F to +180°F (-30°C to +82°C) and is resistant to oils, most solvents and ozone.
- Special elastomers and finishes are available for applications in severe environments. Please note that silicone elastomer is not compatible with nickel plating.

500SL Mount Series (558SL/562SL)

Dimensions & Performance Characteristics

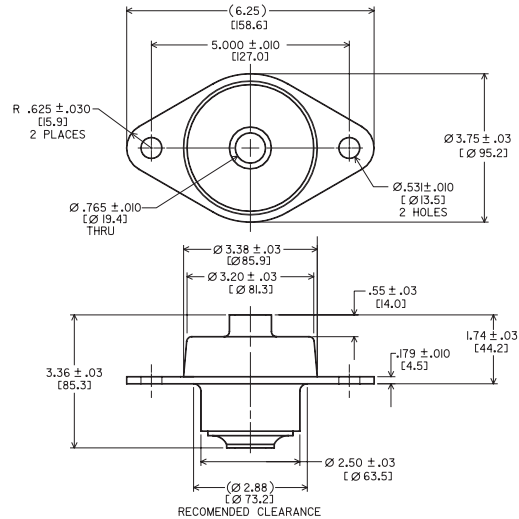
SERIES 558SL Dimensional Drawing (11 oz.)



AXIAL STATIC LOAD RANGE - 558SL

Code	Minimum	Maximum
-1	50 lbs.	110 lbs.
-2	90 lbs.	180 lbs.

SERIES 562SL Dimensional Drawing (1 lb. 13 oz.)

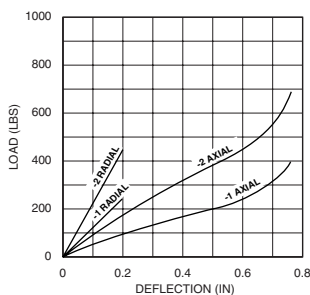


AXIAL STATIC LOAD RANGE - 562SL

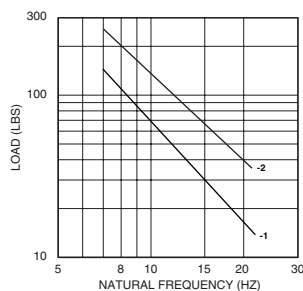
Code	Minimum	Maximum
-1	130 lbs.	260 lbs.
-2	260 lbs.	520 lbs.

558SL Series Performance Data

Load vs. Deflection

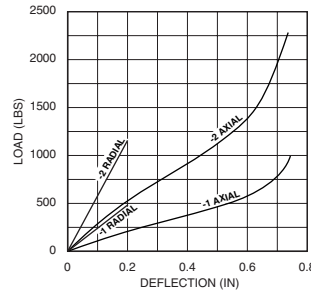


Load vs. Natural Frequency

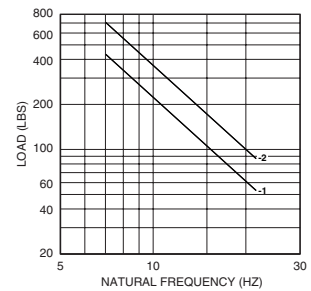


562SL Series Performance Data

Load vs. Deflection



Load vs. Natural Frequency



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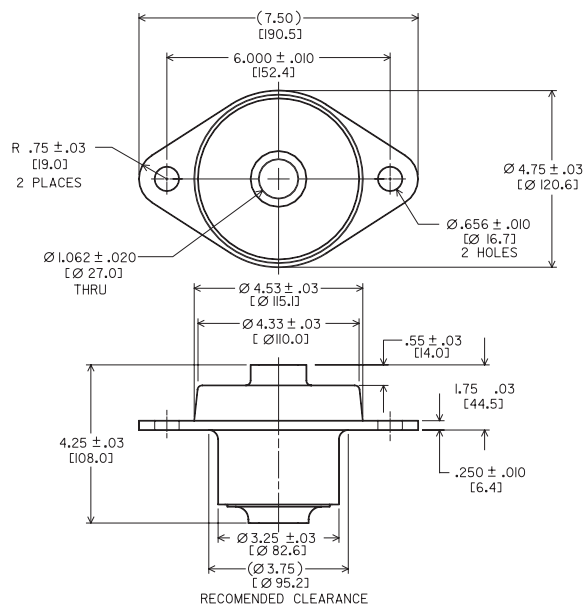
Dimensions and data are subject to change without notice.

For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Dimensions & Performance Characteristics

SERIES 566SL Dimensional Drawing (4 lbs. 12 oz.)

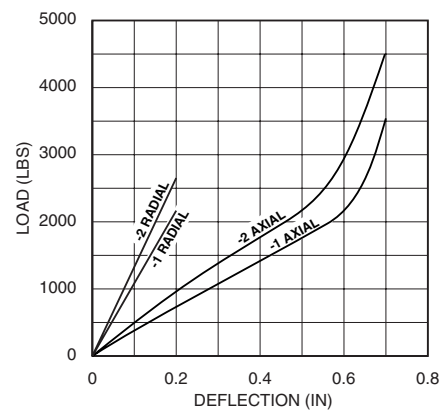


AXIAL STATIC LOAD RANGE - 566SL

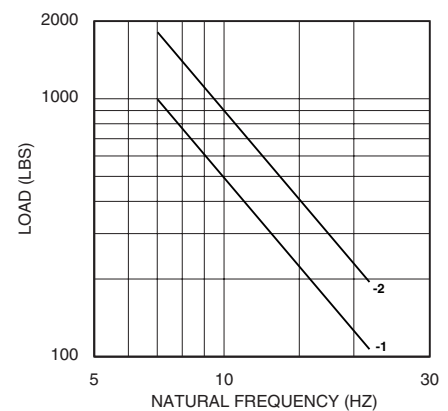
Code	Minimum	Maximum
-1	500 lbs.	1000 lbs.
-2	900 lbs.	1800 lbs.

566SL Series Performance Data

Load vs. Deflection



Load vs. Natural Frequency



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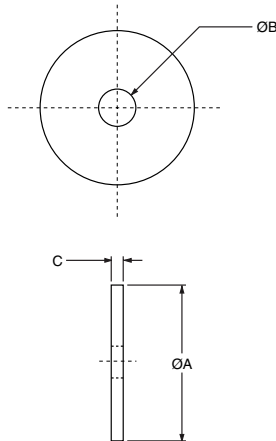
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1-800-BARRY MA

500SL Mount Series (Snubbing Washer)

Dimensions

500SL MOUNT SERIES SNUBBING WASHER



Size	"A" Dia.	"B" Dia.	"C"	Part #
558SL	2.00	.510	.125	R18733-2
562SL	2.50	.760	.188	R18733-4
566SL	3.25	1.010	.250	R18733-5

The use of snubbing washers is recommended to ensure proper static and dynamic loading of the isolator and retention of suspended equipment under severe shock environments.

Snubbing washers are ordered by separate part numbers as shown in the above table. The standard material is low-carbon steel and the standard finish is zinc plate. Other materials and finishes are available upon request.

Please consult with Barry Controls Applications Engineering at 1-800-Barry-MA for more information on the use of snubbing washers.



HOW TO ORDER 500SL SERIES ISOLATORS

500SL - 1 - N - S

Basic model # →

Code for load rating →

"N" = Neoprene →

"R" = Natural Rubber

"B" = Butyl

"S" = Silicone

"L" = Barry LT

"S" = Standard resistant varnish →

"P" = Black enamel paint

"E" = Electroless nickel

Standard suffix is "NS". Consult factory for availability and compatibility of other materials & finishes.



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HR MOUNT SERIES

Features

- Wide load range
- Axial to radial stiffness of 6:1
- Low stiffness in roll mode
- Sturdy, reliable construction

Benefits

- Built-in rebound protection
- Excellent performance even with difficult to isolate five, three, two or even single cylinder engines
- Overlapping load ranges
- Fail-safe when used with snubbing washer

Load Range

- 2 Sizes and 5 stiffness from 25 - 400 lbs. per isolator

Vibration mounts for effective isolation of small to medium sized diesel engines.



Barry HR Series mounts are best suited for isolation of diesel engines with five or less cylinders for on or off-highway applications. The standard neoprene elastomer provides resistance to oils and most solvents. Other elastomers are available, consult factory for more information.

Applications

- Small to medium diesel engines
- Generators
- Recreational/off road vehicles
- Farm and construction equipment
- Motors
- Machinery, pumps & compressors

NATURAL FREQUENCY	10-20 Hertz
TRANSMISSIBILITY AT RESONANCE	8:1
RESILIENT ELEMENT	Neoprene
STANDARD MATERIALS	Steel and sintered metal
WEIGHT	7 oz. (25453) 9 oz. (25641)

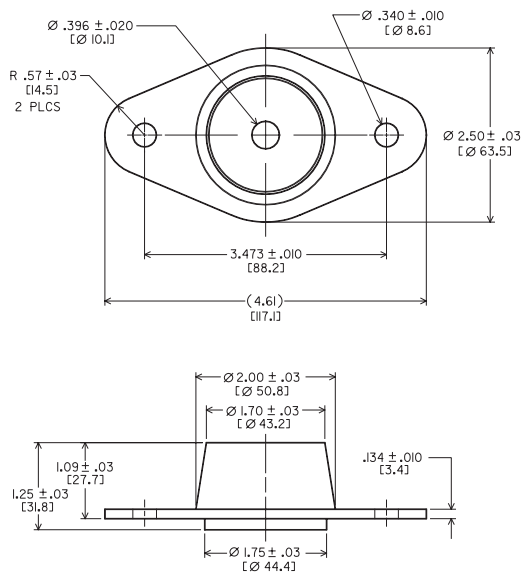
Environmental Data

- Neoprene elastomer has an operating temperature range of -40°C to +93°C and is resistant to oils, most solvents and ozone.

HR Mount Series (25453)

Dimensions & Performance Characteristics

25453 Series Dimensional Drawing

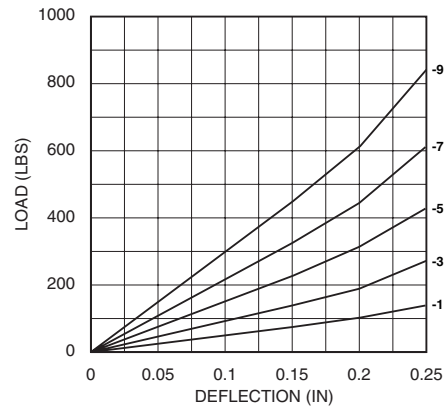


AXIAL STATIC LOAD RANGE - 25453

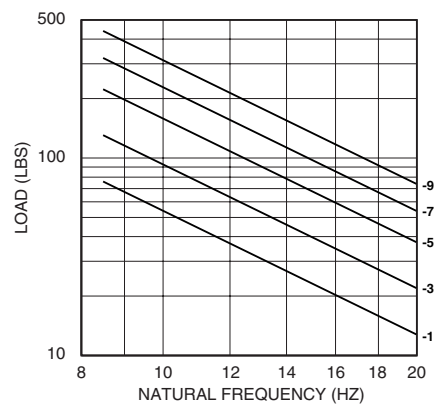
Code	Nominal	Color Code
-1	50 lbs.	Red
-3	90 lbs.	White
-5	150 lbs.	Blue
-7	215 lbs.	Purple
-9	300 lbs.	Gray

25453 Series Performance Data

Load vs. Deflection



Load vs. Natural Frequency



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Dimensions and data are subject to change without notice.

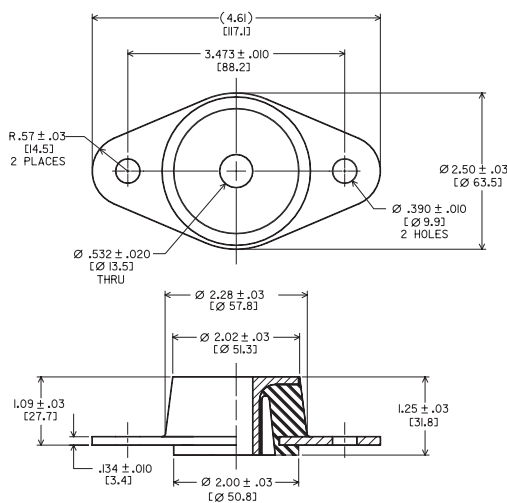
For technical, design, or application assistance, call toll free:

1-800-BARRY MA

HR Mount Series (25641)

Dimensions & Performance Characteristics

25641 Series Dimensional Drawing

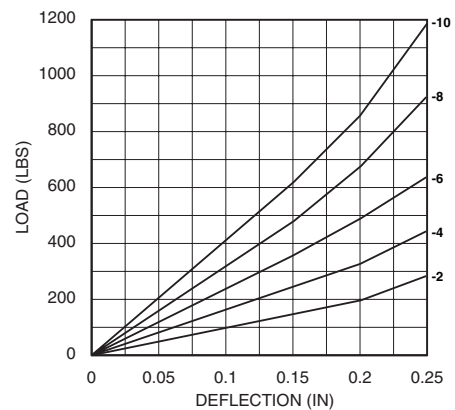


AXIAL STATIC LOAD RANGE - 25641

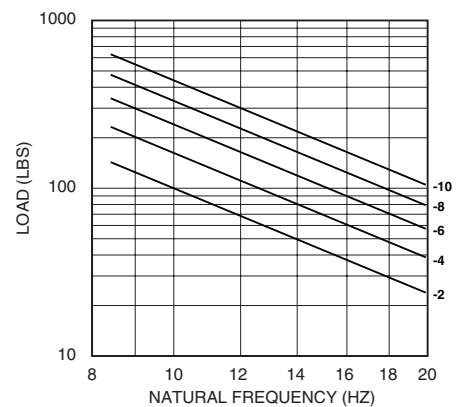
Code	Nominal	Color Code
-2	100 lbs.	Red
-4	155 lbs.	White
-6	230 lbs.	Blue
-8	320 lbs.	Purple
-10	420 lbs.	Gray

25641 Series Performance Data

Load vs. Deflection



Load vs. Natural Frequency



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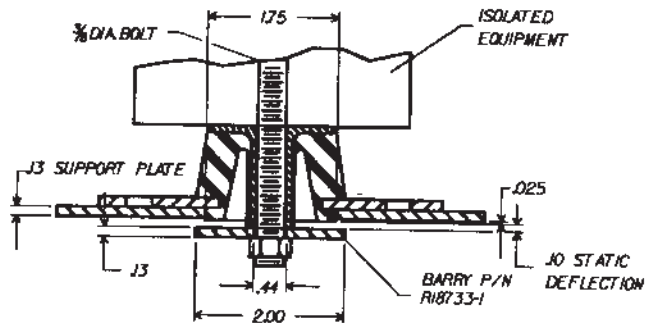
1-800-BARRY MA

Technical Data

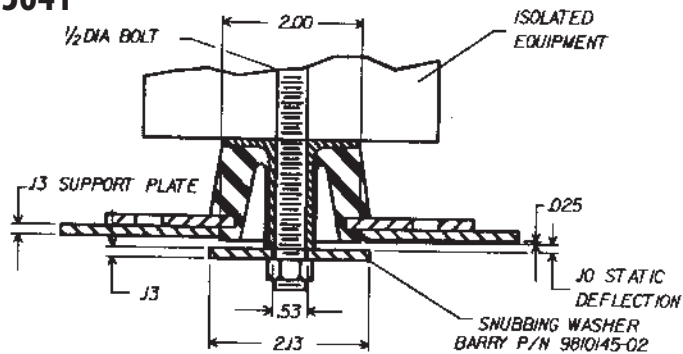
HR SERIES RECOMMENDED INSTALLATION

25453

RECOMMENDED FOR SUPPORT
PLATE 1/3 INCHES THICK



25641



HR SERIES MAXIMUM TIGHTENING TORQUES (FT - LBS)

Part #	Bolt Diameter	Torque (dry)	Torque (lubricated or plated)
25453	.375	45*	35*
25641	.500	120*	90*

* = GRADE 8 BOLT TORQUE



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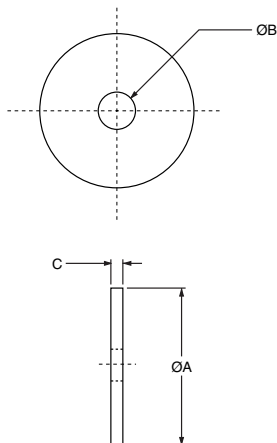
For technical, design, or application assistance, call toll free:

1-800-BARRY MA

HR Mount Series (Snubbing Washer)

Dimensions

HR MOUNT SERIES SNUBBING WASHER



The use of snubbing washers is recommended to ensure proper static and dynamic loading of the isolator and retention of suspended equipment under severe shock environments.

Snubbing washers are ordered by separate part numbers as shown in the table below. The standard material is low-carbon steel and the standard finish is zinc plate. Other materials and finishes are available upon request.

Please consult with Barry Controls Applications Engineering at 1-800-Barry-MA for more information on the use of snubbing washers.

Size	"A" Dia.	"B" Dia.	"C"	Part #
25453	2.00	.45	.125	R18733-1
25641	2.13	.532	.134	9810145-02804



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Dimensions and data are subject to change without notice.

For technical, design, or application assistance, call toll free:

1-800-BARRY MA

22000 MOUNT SERIES

Features

- Fail-safe when used with snubbing washer
- Axial to radial stiffness of 1:1
- Low natural frequency
- Sturdy, reliable construction

Benefits

- Economical
- Bonded construction provides constant performance characteristics
- Overlapping load ranges

Load Range

- 5 sizes with 25 load ratings to 4,560 lbs. per isolator

Low-profile, high capacity mounts for vibration and shock protection.



22000 Series mounts are designed to withstand the rigors of heavy-duty vehicular applications, off-the-road equipment, large trucks and construction equipment. The standard neoprene elastomer is resistant to oil, and other materials are available on special order.

Applications

- Truck, bus and marine engines
- Generators
- HVAC equipment
- Electronic equipment
- Truck cabs
- Machinery, pumps & compressors

NATURAL FREQUENCY	8-18 Hertz
TRANSMISSIBILITY AT RESONANCE	8:1
RESILIENT ELEMENT	Neoprene
STANDARD MATERIALS	Sintered metal and cold-rolled steel
WEIGHT	See dimensional drawings

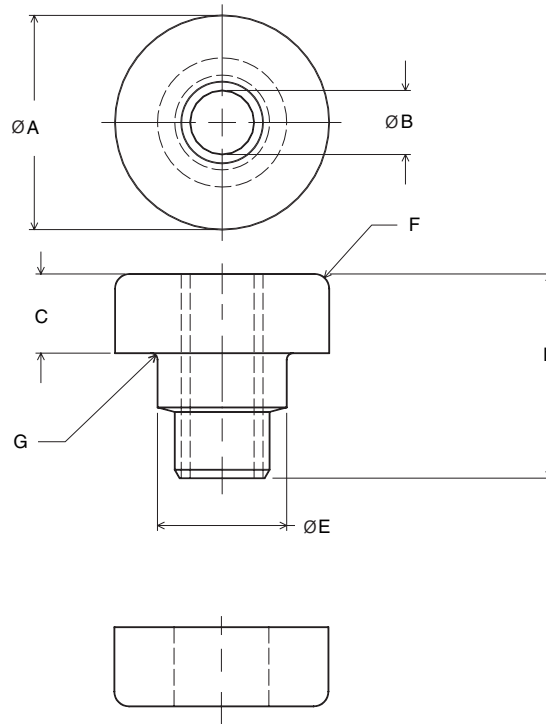
Environmental Data

- Neoprene elastomer has an operating temperature range of -40°C to +93°C and is resistant to oils, most solvents and ozone.
- Special elastomers and finishes are available for applications in severe environments.

22000 Mount Series

Dimensions

22000 MOUNT SERIES
Dimensional Drawing (Inches)



Part #	A	B	C	D	E	F	G	Weight
22001	1.31	.397	.485	1.25	0.79	0.00	0.04	1.5 oz.
22002	1.88	.532	0.78	1.94	1.30	0.15	0.06	5.0 oz.
22003	2.55	.657	0.90	2.43	1.58	0.25	0.09	11.0 oz.
22004	3.50	.938	1.00	2.88	2.30	0.20	0.12	1 lb. 7.5 oz.
22005	4.88	1.063	1.25	3.38	2.55	0.20	0.12	2 lb. 14 oz.



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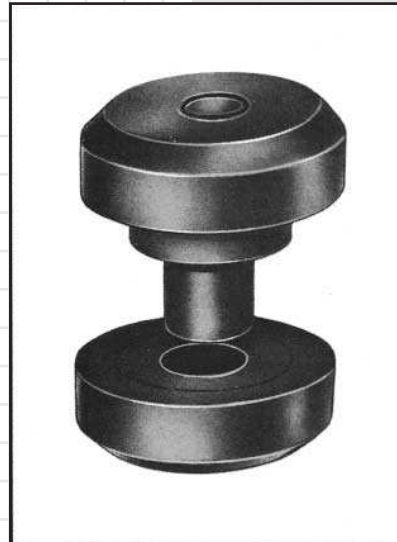
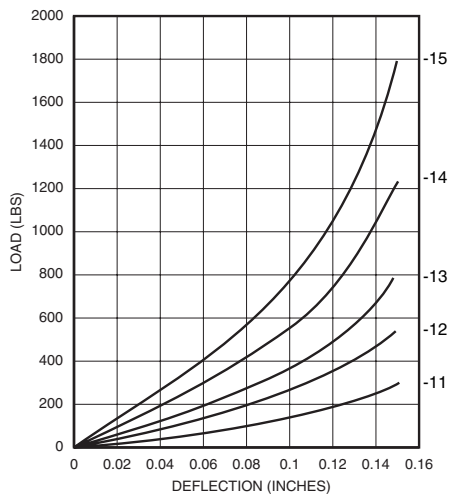
For technical, design, or application assistance, call toll free:

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22000 Mount Series

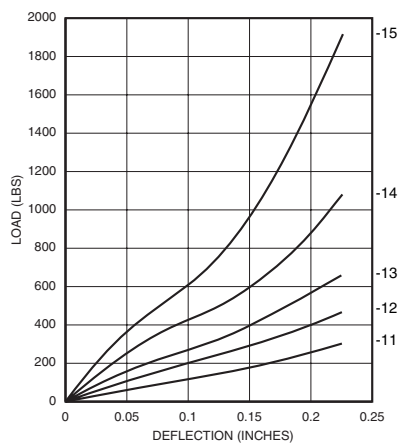
Performance Characteristics

22001 Series Axial Load vs. Deflection

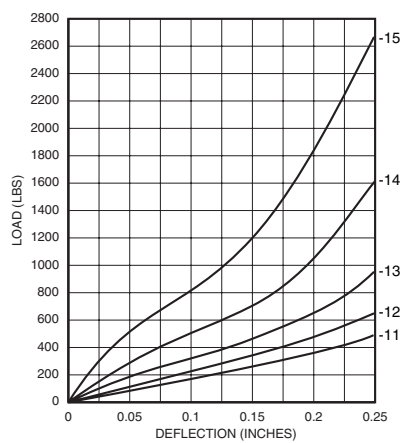


22002 Series Axial Load vs. Deflection

Thin Center Mounting Structure



Thick Center Mounting Structure



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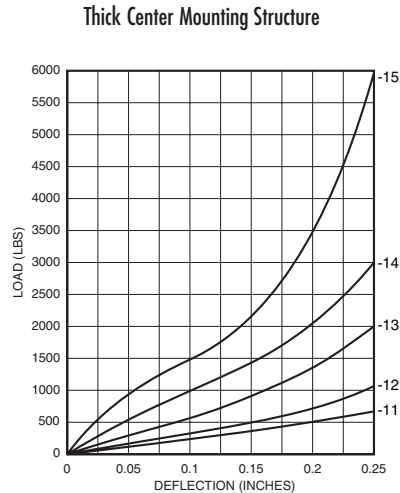
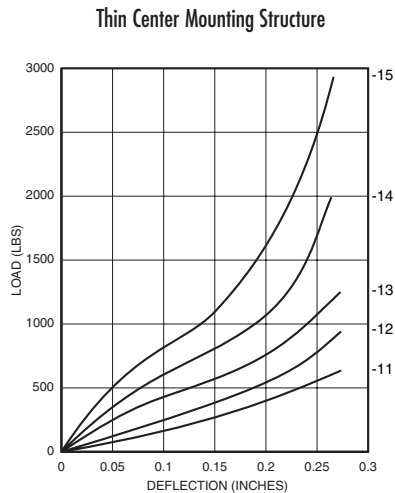
For technical, design, or application assistance, call toll free:

1-800-BARRY MA

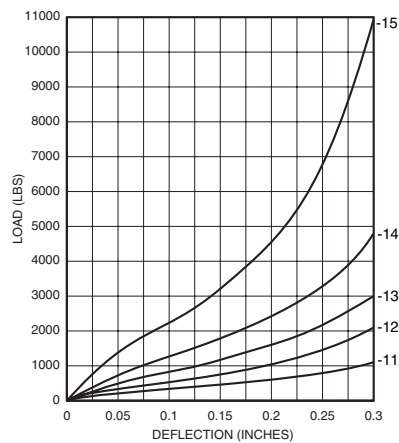
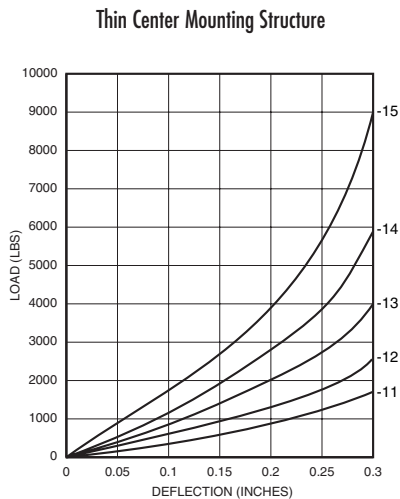
22000 Mount Series

Performance Characteristics

22003 Series Axial Load vs. Deflection



22004 Series Axial Load vs. Deflection



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Dimensions and data are reference only and are subject to change without notice.

For technical, design, or application assistance, call toll free:

1-800-BARRY MA

22000 Mount Series (Snubbing Washer & 22005)

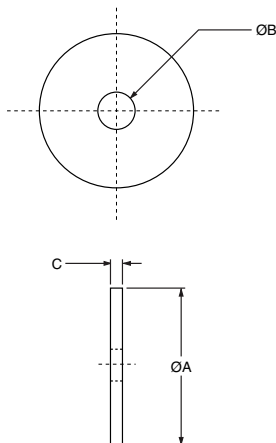
Performance Data & Dimensions

22000 MOUNT SERIES SNUBBING WASHER

The use of snubbing washers is recommended to ensure proper static and dynamic loading of the isolator and retention of suspended equipment under severe shock environments.

Snubbing washers are ordered by separate part numbers as shown in the table below. The standard material is low-carbon steel and the standard finish is zinc plate. Other materials and finishes are available upon request.

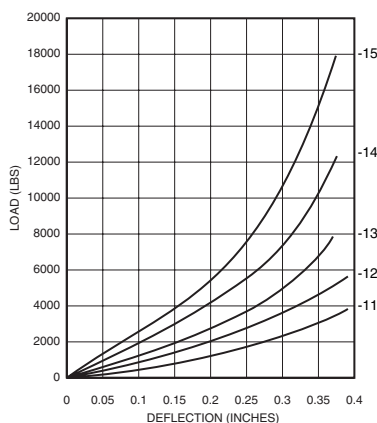
Please consult with Barry Controls Applications Engineering at 1-800-Barry-MA for more information on the use of snubbing washers.



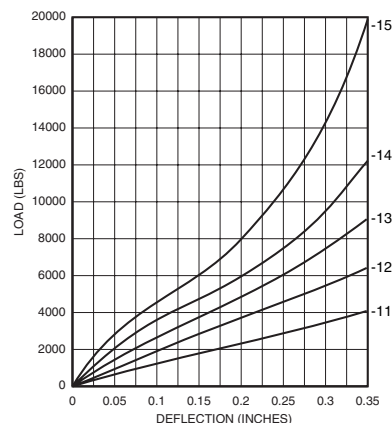
Size	"A" Dia.	"B" Dia.	"C"	Part #
22001	1.56	.391	.090	9810145-01804
22002	2.13	.532	.134	9810145-02804
22003	2.81	.657	.188	9810145-03804
22004	3.88	.938	.250	9810145-04804
22005	5.25	1.063	.375	9810145-05804

22005 Series Axial Load vs. Deflection

Thin Center Mounting Structure



Thick Center Mounting Structure



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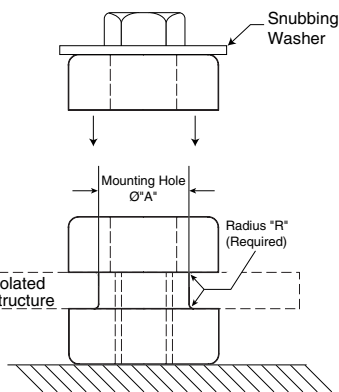
22000 Mount Series

Static Load Ratings & Installation Data

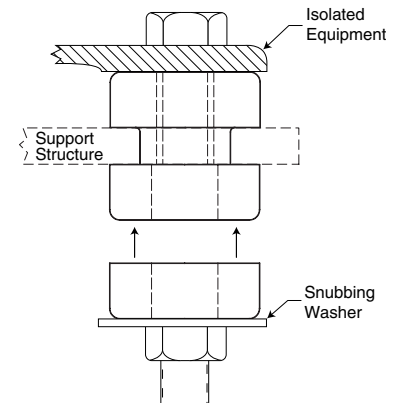
Rated Static Load Per Mount *

Isolator		Thick Center Mounting Structure (Recommended)				Thin Center Mounting Structure (Optional)				Bolt Information		
Axial (Neoprene)	Color Code (Neoprene)	Plate Thickness	Axial Load (lbs)	Radial Load (lbs)	Axial Nat. Freq. @ Rated Load	Plate Thickness	Axial Load (lbs)	Radial Load (lbs)	Axial Nat. Freq. @ Rated Load	Size	SAE Grade	Max. Torque Dry (ft-lbs)
22001-11	Red & White	.375"	40	20	15 Hz	-	-	-	-	.375"	5	30
22001-12	Yellow & White		90	30			-	-	-			
22001-13	Green & White		140	40			-	-	-			
22001-14	Blue & White		250	50			-	-	-			
22001-15	Purple & White		300	60			-	-	-			
22002-11	Red & White	.563"	130	50	12 Hz	.500"	60	40	15 Hz	.500"	8	120
22002-12	Yellow & White		175	65			120	80				
22002-13	Green & White		240	90			160	125				
22002-14	Blue & White		380	165			210	180				
22002-15	Purple & White		630	280			380	280				
22003-11	Red & White	.875"	210	90	11 Hz	.750"	90	70	15 Hz	.625"	8	220
22003-12	Yellow & White		350	140			150	105				
22003-13	Green & White		490	225			225	160				
22003-14	Blue & White		860	385			325	245				
22003-15	Purple & White		1330	690			500	360				
22004-11	Red & White	1.125"	270	135	10 Hz	1.000"	150	110	15 Hz	.875"	8	600
22004-12	Yellow & White		510	230			300	220				
22004-13	Green & White		770	345			400	300				
22004-14	Blue & White		1170	590			500	400				
22004-15	Purple & White		2100	975			600	580				
22005-11	Red & White	1.25"	1140	240	10 Hz	1.000"	300	150	15 Hz	1.000"	8	900
22005-12	Yellow & White		1930	340			500	220				
22005-13	Green & White		2580	610			700	300				
22005-14	Blue & White		3540	890			900	470				
22005-15	Purple & White		4560	1410			1200	660				

*Ratings are for general industrial applications. For heavy-duty applications, please call Barry Controls Application Engineering at 1-800-BARRY MA.



Part #	(Ø"A")	"R"
22001	.75	.04
22002	1.25	.06
22003	1.50	.09
22004	2.25	.12
22005	2.50	.12



Barry Controls
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BARRY-BOND MOUNTS

Features

- One piece bonded construction
- Compact size
- Rebound feature formed during installation

Benefits

- Easy, low cost installation
- Cushioned snubbing in all directions
- Consistent performance
- Multi-directional vibration isolation
- Noise attenuation
- Fail-safe when used with recommended snubbing washers

Load Range

- Six sizes with axial load ranges from 75 to 2,100 lbs. per mount



Versatile, low cost elastomeric isolators protect against shock & vibration and reduce structure-borne noise in vehicular and industrial applications.



Barry-Bond Mounts are designed for multi-directional vibration isolation, shock attenuation and noise reduction due to structure-borne vibrations. These one-piece, fail-safe mounts are easy to install and provide consistent performance.

Applications

- Engines
- Operator compartments (cabs)
- Radiators
- Pumps
- Compressors
- Machinery

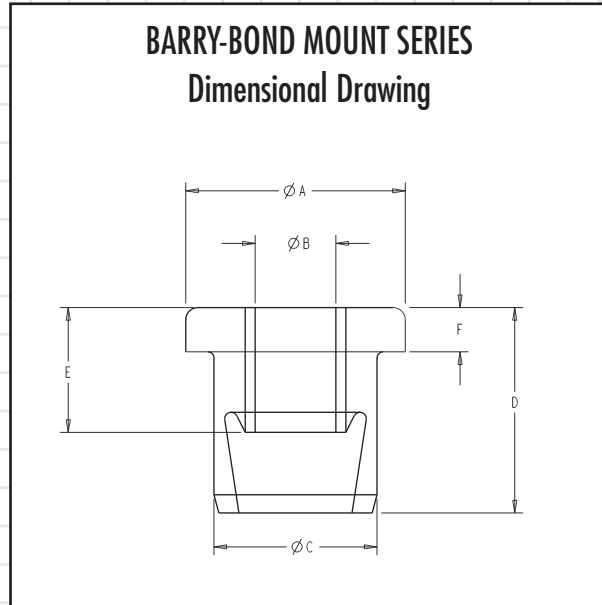
RESILIENT ELEMENT	Natural rubber
STANDARD MATERIALS	Steel
WEIGHT	BC-1120-1 & 3 .02 lbs. BC-1121-2 & 4 .10 lbs. BC-1122-2 & 4 .16 lbs. BC-1123-2 & 5 .36 lbs. BC-1124-2 & 5 .56 lbs. BC-1125-2 & 4 .86 lbs.

Environmental Data

- Natural Rubber elastomer has an operating temperature range of -40°C to +85°C.

Barry-Bond Mount Series

Dimensions & Load Ranges



Part Number	Drawing Number	Maximum Axial Static Load Rating (lbs.)	Part Dimensions (inches)					
			A	B	C	D	E	F
BC-1120-1	27365	75 lbs.	1.09	0.40	0.81	1.02	0.62	0.22
BC-1120-3		125 lbs.	1.09	0.40	0.81	1.02	0.62	0.22
BC-1121-2	27366	250 lbs.	1.75	0.532	1.24	1.25	1.00	0.41
BC-1121-4		450 lbs.	1.75	0.532	1.24	1.25	1.00	0.41
BC-1122-2	27367	350 lbs.	2.00	0.532	1.35	1.62	1.31	0.53
BC-1122-4		600 lbs.	2.00	0.532	1.35	1.62	1.31	0.53
BC-1123-2	27368	500 lbs.	2.50	0.648	1.62	2.00	1.69	0.62
BC-1123-5		1,000 lbs.	2.50	0.648	1.62	2.00	1.69	0.62
BC-1124-2	27369	750 lbs.	2.98	0.648	1.98	2.22	2.00	0.81
BC-1124-5		1,400 lbs.	2.98	0.648	1.98	2.22	2.00	0.81
BC-1125-2	27370	1,400 lbs.	3.74	0.803	2.23	2.48	2.00	1.00
BC-1125-4		2,100 lbs.	3.74	0.803	2.23	2.48	2.00	1.00



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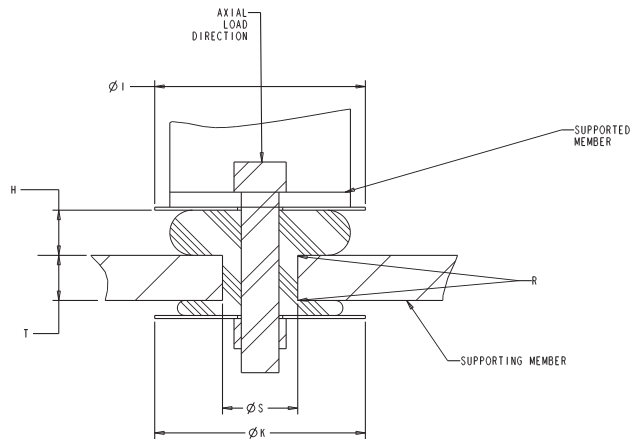
For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Barry-Bond Mount Series

Dimensions & Bolt Information

BARRY-BOND MOUNT SERIES
Installation Drawing



Part Number	Drawing Number	Required Mating Dimensions (Inches)						Recommended Bolt Information			
		H	I	K	S	T	R	Size	Grade		Torque (ft-lb)
BC-1120-1	27365	0.21	1.25	1.12	0.75	0.31	0.06	3/8"	SAE 2	ISO 5.8	23
BC-1120-3		0.21	1.25	1.12	0.75	0.31	0.06	3/8"	2	5.8	23
BC-1121-2	27366	0.38	2.00	1.50	1.12	0.38	0.06	1/2"	2	5.8	55
BC-1121-4		0.38	2.00	1.50	1.12	0.38	0.06	1/2"	2	5.8	55
BC-1122-2	27367	0.45	2.25	2.00	1.25	0.62	0.06	1/2"	2	5.8	55
BC-1122-4		0.45	2.25	2.00	1.25	0.62	0.06	1/2"	2	5.8	55
BC-1123-2	27368	0.56	2.88	2.25	1.50	0.75	0.06	5/8"	8	10.9	240
BC-1123-5		0.56	2.88	2.25	1.50	0.75	0.06	5/8"	8	10.9	240
BC-1124-2	27369	0.71	3.50	2.50	1.81	0.93	0.06	5/8"	8	10.9	240
BC-1124-5		0.71	3.50	2.50	1.81	0.93	0.06	5/8"	8	10.9	240
BC-1125-2	27370	0.94	4.25	3.00	2.00	0.75	0.12	3/4"	8	10.9	420
BC-1125-4		0.94	4.25	3.00	2.00	0.75	0.12	3/4"	8	10.9	420



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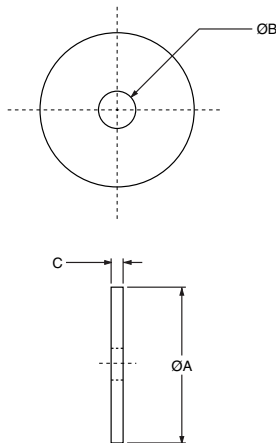
For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Barry-Bond Mount Series

Snubbing Washer

BARRY-BOND MOUNT SERIES SNUBBING WASHER



The use of snubbing washers is recommended to ensure proper static and dynamic loading of the isolator and retention of suspended equipment under severe shock environments.

Snubbing washers are ordered by separate part numbers as shown in the table below. The standard material is low-carbon steel and the standard finish is zinc plate. Other materials and finishes are available upon request.

Please consult with Barry Controls Applications Engineering at 1-800-Barry-MA for more information on the use of snubbing washers.

Part Number	Head Washer Part Number	Part Dimensions (Inches)			Tail Washer Part Number	Part Dimensions (Inches)		
		A	B	C		A	B	C
BC-1120-1	9810276-02804	1.25	0.40	0.125	9810276-01804	1.12	0.40	0.125
BC-1120-3	9810276-02804	1.25	0.40	0.125	9810276-01804	1.12	0.40	0.125
BC-1121-2	9810276-04804	2.00	0.52	0.125	9810276-03804	1.50	0.52	0.125
BC-1121-4	9810276-04804	2.00	0.52	0.125	9810276-03804	1.50	0.52	0.125
BC-1122-2	9810276-05804	2.25	0.52	0.125	9810276-04804	2.00	0.52	0.125
BC-1122-4	9810276-05804	2.25	0.52	0.125	9810276-04804	2.00	0.52	0.125
BC-1123-2	9810276-08804	2.88	0.66	0.125	9810276-06804	2.25	0.64	0.125
BC-1123-5	9810276-08804	2.88	0.66	0.125	9810276-06804	2.25	0.64	0.125
BC-1124-2	9810276-10804	3.50	0.64	0.190	9810276-07804	2.50	0.64	0.125
BC-1124-5	9810276-10804	3.50	0.64	0.190	9810276-07804	2.50	0.64	0.125
BC-1125-2	9810276-11804	4.25	0.80	0.190	9810276-09804	3.00	0.80	0.190
BC-1125-4	9810276-11804	4.25	0.80	0.190	9810276-09804	3.00	0.80	0.190



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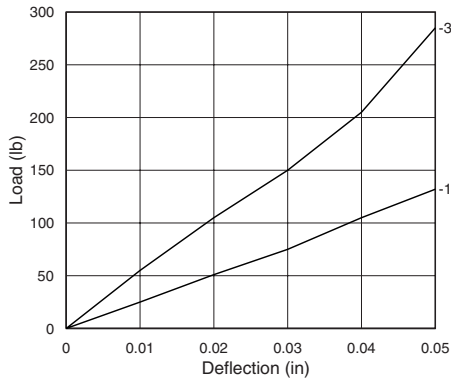
For technical, design, or application assistance, call toll free:

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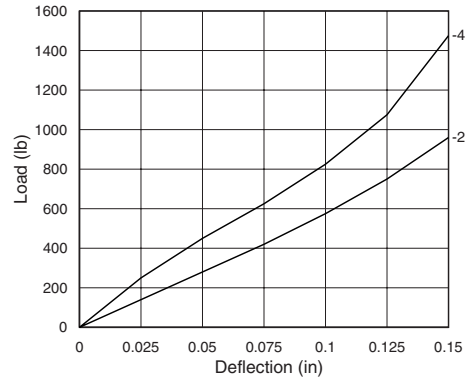
Barry-Bond Mount Series

Performance Characteristics

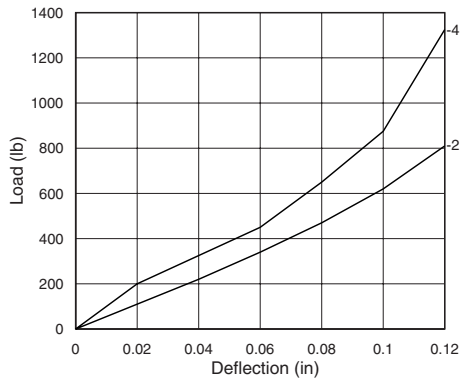
BC1120 Series Axial Load vs. Deflection



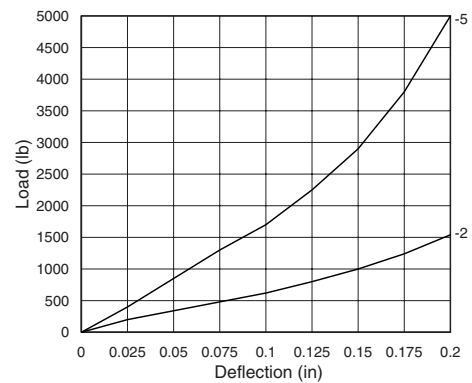
BC1122 Series Axial Load vs. Deflection



BC1121 Series Axial Load vs. Deflection



BC1123 Series Axial Load vs. Deflection



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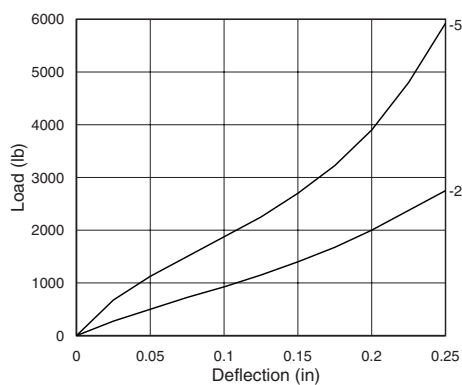
For technical, design, or application assistance, call toll free:

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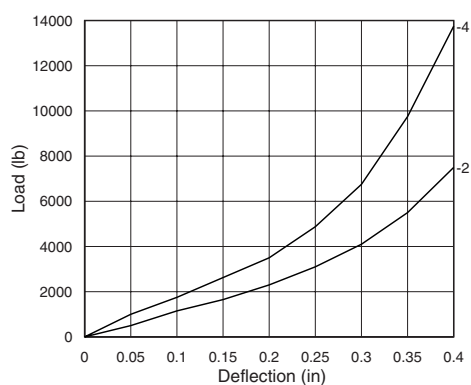
Barry-Bond Mount Series

Performance Characteristics

BC1124 Series Axial Load vs. Deflection



BC1125 Series Axial Load vs. Deflection



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INDUSTRIAL CONICAL MOUNTS

Features

- One piece bonded construction
- High load capacity
- Low natural frequency
- Non-linear stiffness
- Snubbing feature on bottom

Benefits

- Consistent performance
- Low cost installation
- Fail safe when used with recommended hardware
- Provides shock, vibration and noise attenuation
- Withstands high impact shock
- High static deflection in the axial direction

Load Range

- 3 styles with axial static load ratings up to 1,146 lbs. per isolator

Rugged, high load capacity mounts provide vibration, shock and noise protection



Industrial Conical Mount Series Isolators are designed to withstand the rigors of heavy-duty vehicular applications, off-road equipment, large trucks and construction equipment. They provide shock, vibration and noise isolation and are designed for high impact applications.

Applications

- Cabs/platforms
- Engines
- Generator sets
- Transmissions
- Compressors
- Fuel tanks

NATURAL FREQUENCY	10-14 Hertz
TRANSMISSIBILITY AT RESONANCE	10
RESILIENT ELEMENT	Natural Rubber
STANDARD MATERIALS	Sintered metal and cold-rolled steel
WEIGHT	See dimensional drawings

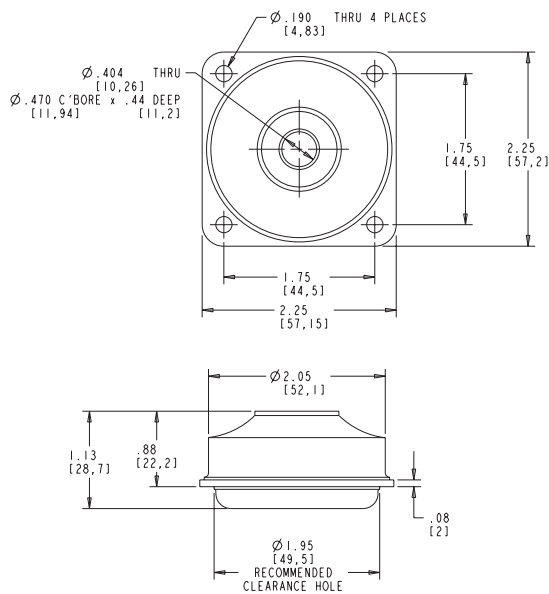
Environmental Data

- Natural Rubber elastomer has an operating temperature range of -25°F to +160°F (-30°C to +70°C).

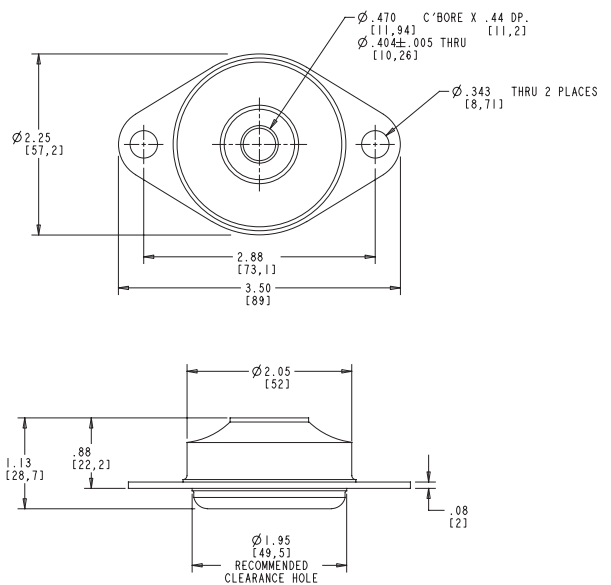
Industrial Conical Mount Series (27327 & 27328)

Dimensions & Performance Characteristics

27327 CONICAL MOUNT (4.25 oz.)
Dimensional Drawing



27328 CONICAL MOUNT (4.30 oz.)
Dimensional Drawing



Part Number	Max. Axial Load Range (lbs.)	Color Code	Natural Frequency at Max. Load	Radial to Axial Stiffness Ratio	Bolt Size	Bolt Grade		Torque	
						SAE	ISO	ft-lbs	N-m
27327-45	82 lbs.	White	10 Hertz	2:1	3/8" or M10	8	10.9	50	76
27327-60	156 lbs.	Brown	10 Hertz	2:1	3/8" or M10	8	10.9	50	76
27327-70	233 lbs.	Orange	10 Hertz	2:1	3/8" or M10	8	10.9	50	76
27328-45	82 lbs.	White	10 Hertz	2:1	3/8" or M10	8	10.9	50	76
27328-60	156 lbs.	Brown	10 Hertz	2:1	3/8" or M10	8	10.9	50	76
27328-70	233 lbs.	Orange	10 Hertz	2:1	3/8" or M10	8	10.9	50	76



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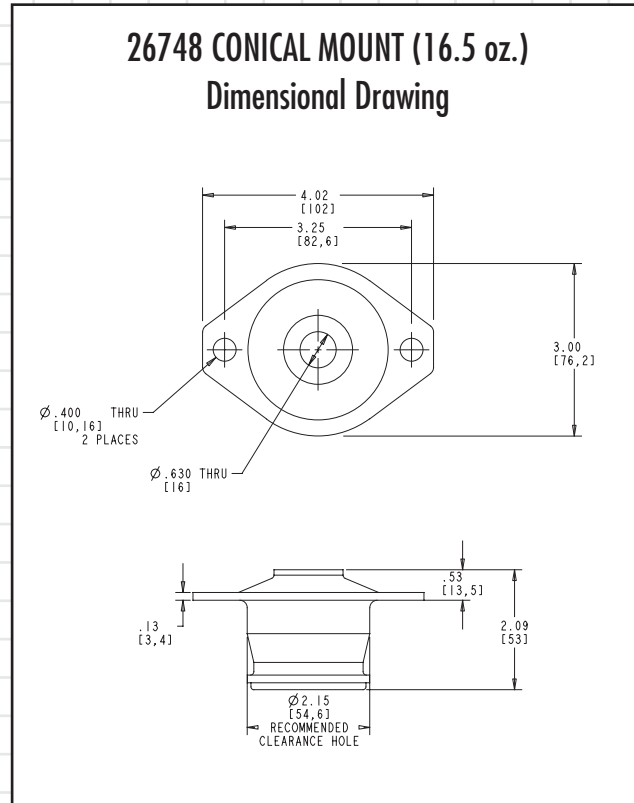
Dimensions and data are subject to change without notice.

For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Industrial Conical Mount Series (26748)

Dimensions & Performance Characteristics



Part Number	Max. Axial Load Range (lbs.)	Color Code	Natural Frequency at Max. Load	Radial to Axial Stiffness Ratio	Bolt Size	Bolt Grade		Torque	
						SAE	ISO	ft-lbs	N-m
26748-45	286 lbs.	White	14 Hertz	4:1	5/8" or M16	5	8.8	180	235
26748-60	562 lbs.	Brown	14 Hertz	4:1	5/8" or M16	5	8.8	180	235
26748-70	750 lbs.	Orange	14 Hertz	4:1	5/8" or M16	5	8.8	180	235



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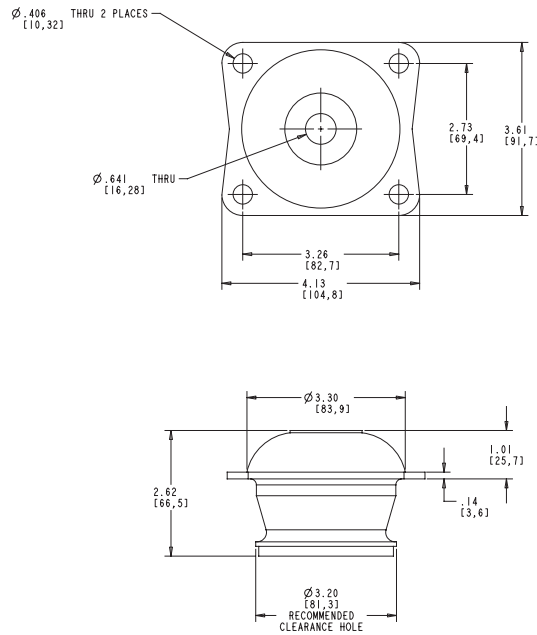
For technical, design, or application assistance, call toll free:

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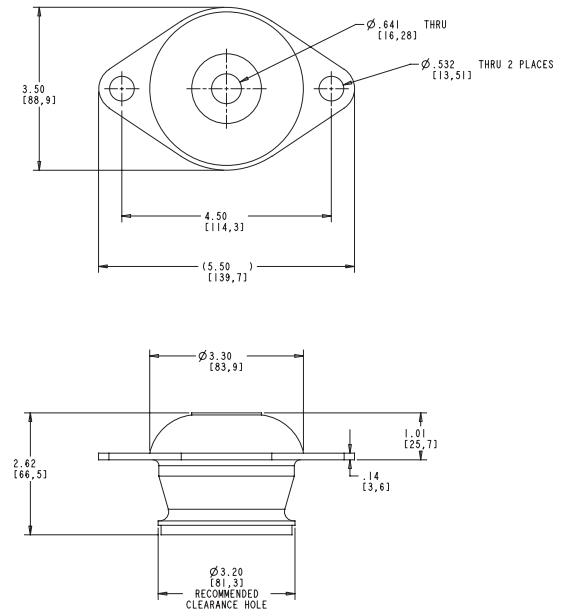
Industrial Conical Mount Series (26749 & 27595)

Dimensions & Performance Characteristics

26749 CONICAL MOUNT (30 oz.)
Dimensional Drawing



27595 CONICAL MOUNT (29 oz.)
Dimensional Drawing



Part Number	Max. Axial Load Range (lbs.)	Color Code	Natural Frequency at Max. Load	Radial to Axial Stiffness Ratio	Bolt Size	Bolt Grade		Torque	
						SAE	ISO	ft-lbs	N-m
26749-45	463 lbs.	White	12 Hertz	1.5:1	5/8" or M16	5	8.8	180	235
26749-60	860 lbs.	Brown	12 Hertz	1.5:1	5/8" or M16	5	8.8	180	235
26749-70	1,146 lbs.	Orange	12 Hertz	1.5:1	5/8" or M16	5	8.8	180	235
27595-45	463 lbs.	White	12 Hertz	1.5:1	5/8" or M16	5	8.8	180	235
27595-60	860 lbs.	Brown	12 Hertz	1.5:1	5/8" or M16	5	8.8	180	235
27595-70	1,146 lbs.	Orange	12 Hertz	1.5:1	5/8" or M16	5	8.8	180	235



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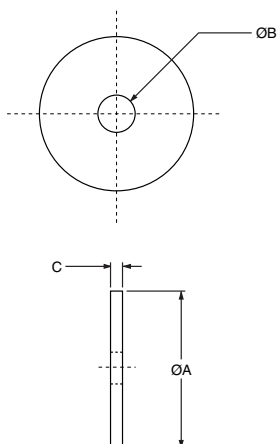
For technical, design, or application assistance, call toll free:

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Industrial Conical Mount Series (Snubbing Washers)

Dimensions & Selection Guide

INDUSTRIAL CONICAL MOUNT SERIES SNUBBING WASHER



The use of snubbing washers is recommended to ensure proper static and dynamic loading of the isolator and retention of suspended equipment under severe shock environments.

Snubbing washers are ordered by separate part numbers as shown in the below table. The standard material is low-carbon steel and the standard finish is zinc plate. Other materials and finishes are available upon request.

Please consult with Barry Controls Applications Engineering at 1-800-Barry-MA for more information on the use of snubbing washers.

Part Number	Head Washer Part Number	Part Dimensions (Inches)			Tail Washer Part Number	Part Dimensions (Inches)		
		A	B	C		A	B	C
27327	9810276-05804	2.25	0.52	0.125	9810276-05804	2.25	0.52	0.125
27328	9810276-05804	2.25	0.52	0.125	9810276-05804	2.25	0.52	0.125
26748	9810276-07804	2.50	0.64	0.125	9810276-06804	2.25	0.64	0.125
26749	9810276-12804	4.60	0.64	0.25	9810276-10804	3.50	0.64	0.19
27595	9810276-12804	4.60	0.64	0.25	9810276-10804	3.50	0.64	0.19



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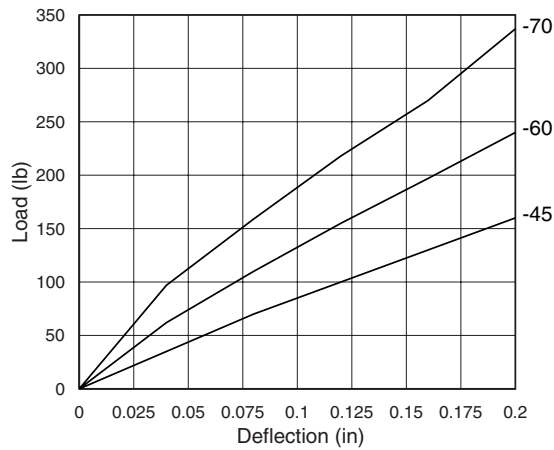
For technical, design, or application assistance, call toll free:

1-800-BARRY MA

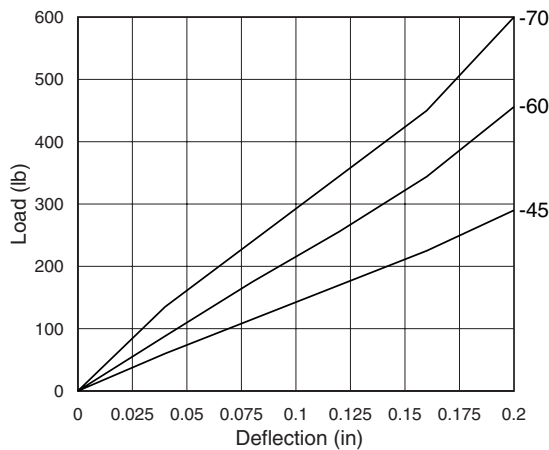
Industrial Conical Mount Series

Performance Characteristics

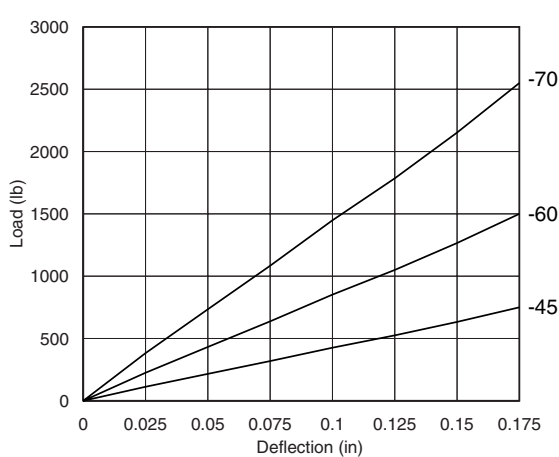
27327 & 27328 Series - Axial Load vs. Deflection



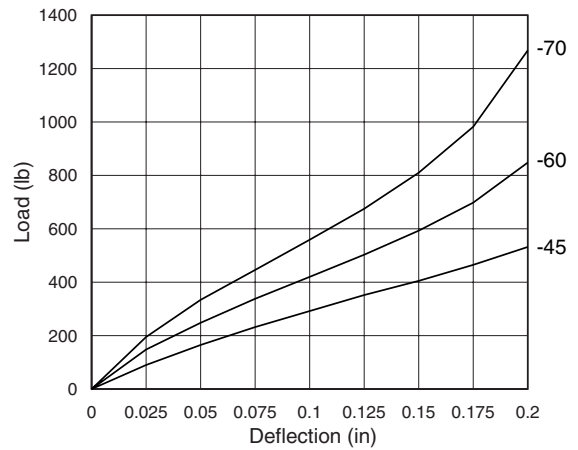
27327 & 27328 Series - Radial Load vs. Deflection



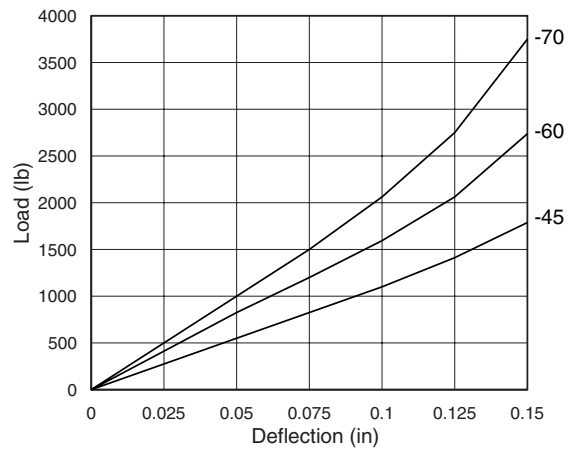
26749 & 27595 Series - Radial Load vs. Deflection



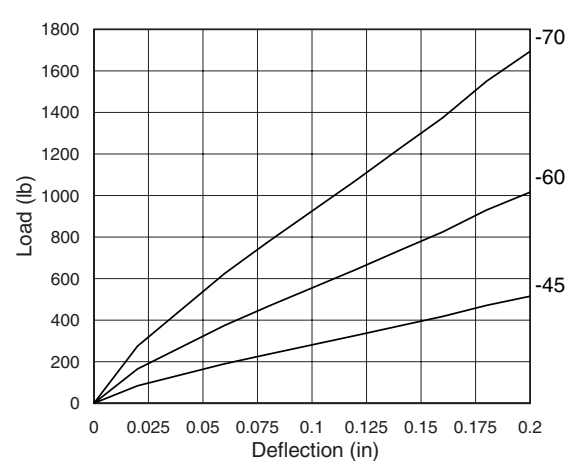
26748 Series - Axial Load vs. Deflection



26748 Series - Radial Load vs. Deflection



26749 & 27595 Series - Axial Load vs. Deflection



Machinery Mounts



- SLM Mount Series
- Leveling Mount Series
- 633A Mount Series
- LMS Mount Series
- 661 Mount Series
- 670 Mount Series
- 297 Mount Series
- 30005 Series Neoprene Pads
- Elastomer Springs
- Wedge Mounts
- 990/915 Mount Series

SLM MOUNT SERIES

Features

- Air spring isolator with integral heavy wall construction
- Deflection transfers shock to outer wall
- Will not bottom out
- Continued support & isolation even with no air pressure

Benefits

- Combined resiliency and air prevents high static deflection, drift or permanent set
- Extends machinery life
- Wide load range available
- Low maintenance

Load Range

- 8 load ratings up to 19,200 lbs. per isolator



Low-profile, high capacity mounts for vibration and shock protection.



Barry SLM Series Mounts are pneumatic elastomeric mounts, ideal for applications requiring higher deflection isolators. The SLM's mechanical bond design incorporates a positive locking system to ensure performance and safe operation.

Applications

- Industrial equipment, tools and machinery
- CMM machinery
- Forging hammers
- Air compressors

NATURAL FREQUENCY	3-5 Hertz (10 Hz. unpressurized)
TRANSMISSIBILITY AT RESONANCE	8:1
RESILIENT ELEMENT	Air and neoprene diaphragm
STANDARD MATERIALS	Steel & aluminum
WEIGHT	See table

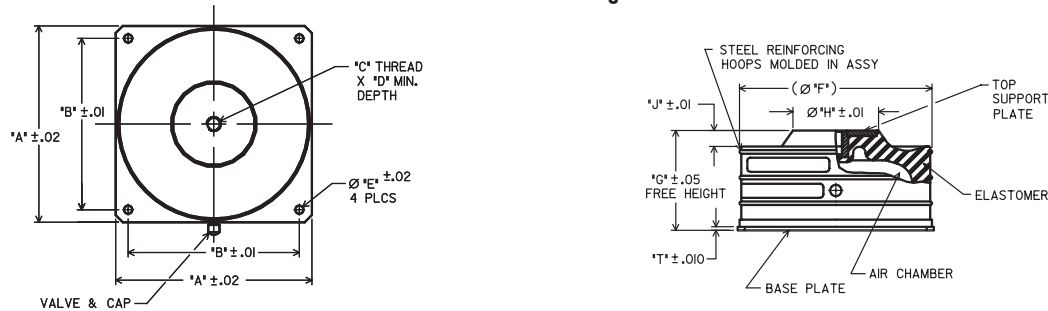
Environmental Data

- Neoprene elastomer has an operating temperature range of -20°F to +180°F (-30°C to +180°C) and is resistant to oils, most solvents and ozone.

SLM Mount Series

Dimensions & Load Ranges

SLM SERIES
Dimensional Drawing



TYPE NO.	MAX. LOAD LBS.	MAX. PRESSURE PSIG	DIMENSIONS										WT. (LBS.)
			"A"	"B"	"C"	"D"	"E"	("F")	"G"	"H"	"J"	"T"	
SLM-1A	100	60	3.00	2.38	.375-16 UNC-2B	.47	.28	2.88	2.50	1.00	.50	.125	1
SLM-3A	300	60	4.19	3.50	.500-13 UNC-2B	.53	.28	4.14	2.45	1.75	.54	.125	1.5
SLM-6A	600	80	5.12	4.25	.500-13 UNC-2B	.53	.29	4.99	3.50	2.13	.56	.125	3.25
SLM-12A	1200	80	6.88	6.00	.500-13 UNC-2B	.53	.29	6.74	3.50	3.00	.56	.125	5.5
SLM-24A	2400	80	10.00	8.50	.625-11 UNC-2B	.75	.56	9.66	3.50	4.75	.56	.188	13
SLM-48A	4800	80	13.50	12.00	.625-11 UNC-2B	.75	.56	13.31	3.50	7.50	.56	.188	26
SLM-96A	9600	80	18.50	16.00	1.000-14 UNS-2B	.88	.81	18.44	3.50	10.50	.56	.250	57
SLM-192A	19200	80	24.00	20.00	1.000-14 UNS-2B	.88	.81	24.00	3.50	15.75	.56	.250	100

METRIC LOAD RANGES & DIMENSIONAL DATA												
PART #	LOAD RANGE (kg)	A	B	C	D	E	(F)	G	H	J	T	Wt. (kg)
SLM-M1A	11-45	76.2	60.4	M10	12.0	7.0	73.2	63.5	25.4	12.7	3.2	0.5
SLM-M3A	34-136	106.4	88.9	M12	14.0	7.0	105.2	62.2	44.4	12.7	3.2	0.7
SLM-M6A	68-272	130.0	108.0	M12	14.0	7.0	126.7	88.9	54.1	14.2	3.2	1.5
SLM-M12A	136-545	174.8	152.4	M12	14.0	7.0	171.2	88.9	76.2	14.2	3.2	2.5
SLM-M24A	272-1090	254.0	215.9	M16	19.0	14.2	245.4	88.9	138.2	14.2	4.8	6
SLM-M48A	545-2180	342.9	304.8	M16	19.0	14.2	338.1	88.9	190.5	14.2	4.8	11.8
SLM-M96A	1090-4360	469.9	406.4	M24	22.0	20.6	468.4	88.9	266.7	14.2	6.4	26
SLM-M192A	2180-8720	609.6	508.0	M24	22.0	20.6	609.6	88.9	400.1	14.2	6.4	45.0



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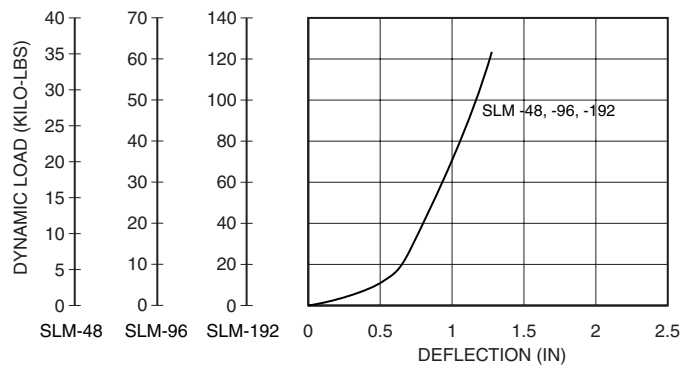
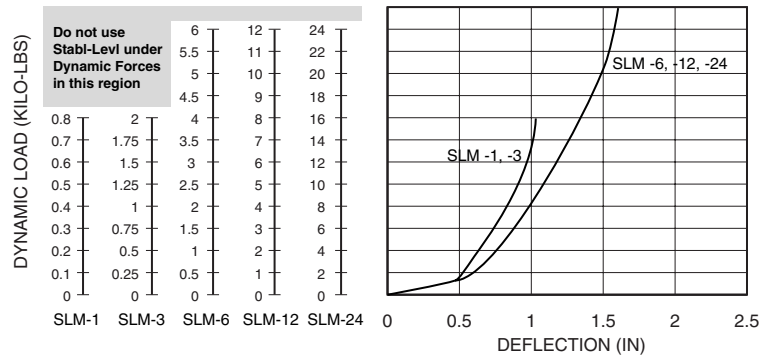
For technical, design, or application assistance, call toll free:

1-800-BARRY MA

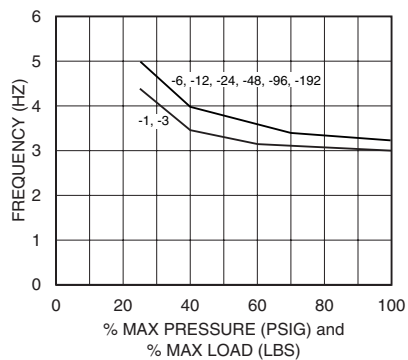
SLM Mount Series

Performance Characteristics

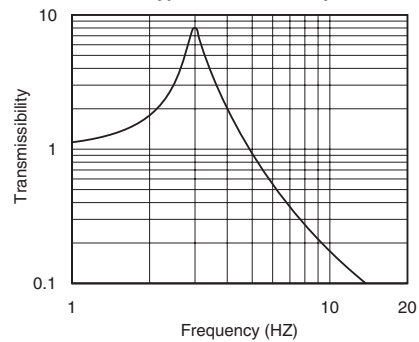
SLM Series Dynamic Load and Approximate Deflections



Natural frequency vs. % Max Pressure and % Max Load



Typical Transmissibility



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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

LEVELING MOUNTS

Features

- High level of shock & vibration isolation
- Full inch of elastomer for controlled deflection
- Leveling bolt adjusts height up to a full half inch above load
- Sturdy, reliable construction

Benefits

- Economical
- Extends machinery life
- Wide load range available

Load Range

- 7 sizes with load ratings to 13,000 lbs. per isolator

Low-profile, high capacity leveling mounts for vibration and shock protection.



Barry Leveling Mounts are ideal for protecting heavy industrial equipment and machinery such as CNC machines, punch presses, drill presses, sanders, saws, injection molding and many other types of industrial equipment.

Applications

- Punch Presses
- Milling Machines
- Drilling Machines
- Lathes
- Grinders
- Boring Machines
- Jig Borers
- Die casting machines
- Riveters
- Sanders
- Saws
- Screw machines
- Shapers
- Injection Molding

NATURAL FREQUENCY	12-18 Hertz
TRANSMISSIBILITY AT RESONANCE	8:1
RESILIENT ELEMENT	LM0-B + LM1-B Neoprene LM3-B through LM9-B Nitrile
WEIGHT	See load range chart

Environmental Data

- Nitrile and Neoprene elastomers have an operating temperature range of -20°F to +180°F (-29°C to +82°C) and are resistant to oils and most solvents.

Leveling Mounts

Dimensions & Performance Characteristics

LEVELING MOUNT SERIES LOAD RATING & DIMENSIONAL DATA

Part #	Load Range Rating (lbs.)	Base (Inches)		Bolt (Inches)		Weight
		Outside Dia. (A)	Free Height (B)	Size	Length	
LM0-B	30-100	2	1	.25-28	1.75	4 ozs.
LM1-B	100-300	3.125	1.50	.375-24	3	1 lb. 4 ozs.
LM3-B	300-1,000	4.75	1.50	.50-13	5	2 lbs. 5 ozs.
LM5-B	1,000-4,200	6.312	1.625	.75-10	5	5 lbs. 2 ozs.
LM6-B	4,000-10,000	7.25	1.61	.75-10	5	7 lbs. 6 ozs.
LM7-B	4,000-13,000	9	2.50	1-14	8	12 lbs. 14 ozs.
LM9-B*	4,000-13,000	9	2.25	1-14	8	12 lbs. 11 ozs.

* LM-9B should be substituted for LM-7B in applications with heavy horizontal forces.

For punch press applications between 150-300 SPM, reduce load rating of each mount by 50%. Above 300 SPM, please call Barry Controls applications engineering at 1-800-BARRY-MA.

METRIC LEVELING MOUNT SERIES LOAD RATING & DIMENSIONAL DATA

Part #	Load Range Rating (lbs.)	Base (Inches)		Bolt (Inches)		Weight
		Outside Dia. (A)	Free Height (B)	Size	Length	
LM0-MB	30-100	2	1	M6-1	30 mm	4 ozs.
LM1-MB	100-300	3.125	1.50	M10-1.5	75 mm	1 lb. 4 ozs.
LM3-MB	300-1,000	4.75	1.50	M12-1.75	127 mm	2 lbs. 5 ozs.
LM5-MB	1,000-4,200	6.312	1.625	M20-2.5	127 mm	5 lbs. 2 ozs.
LM6-MB	4,000-10,000	7.25	1.61	M20-2.5	127 mm	7 lbs. 6 ozs.
LM7-MB	4,000-13,000	9	2.50	M24-3	200 mm	12 lbs. 14 ozs.
LM9-MB*	4,000-13,000	9	2.25	M24-3	200 mm	12 lbs. 11 ozs.

* LM-9B should be substituted for LM-7B in applications with heavy horizontal forces.

For punch press applications between 150-300 SPM, reduce load rating of each mount by 50%. Above 300 SPM, please call Barry Controls applications engineering at 1-800-BARRY-MA.

Optional Bolts & Bushings for Leveling Mounts

Ordering Information

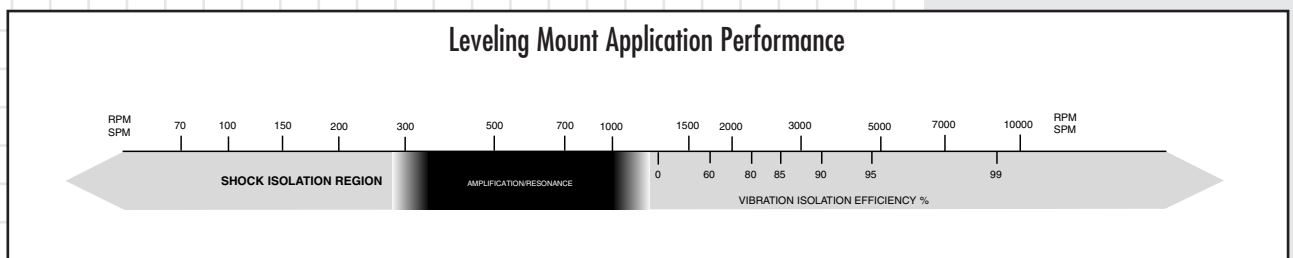
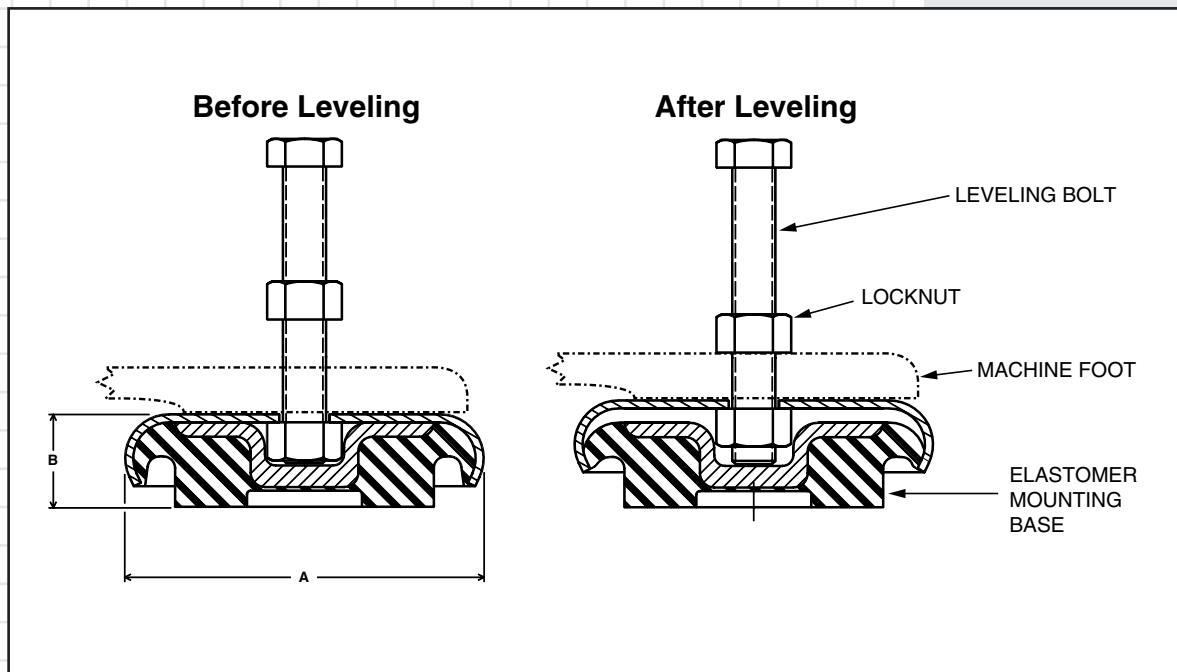
OPTIONAL BOLTS WITH NUTS		
Part#	Comes Standard w/:	Size (in.)
2099-02000/1	LM3-B	3/8-16x5
100551-01000/1		1/2-13x5
2099-12000/1		1/2-13x8
2099-16000/1		1/2-13x10
2099-07000/1		5/8-11x5
2099-10000/1	LM5-B/LM6-B	5/8-11x8
100551-03000/1		3/4-10x5
2099-11000/1		3/4-10x8
2099-09000/1		3/4-10x10
100551-19000/1	LM7-B/LM9-B	1-14x5
100551-16000/1		1-14x8
2099-29000/1	LM0-B	1/4-28x1-3/4
2099-30000/1	LM1-B	3/8-24x3

OPTIONAL BUSHINGS FOR MOUNTS:		
Part#	Designed for Mount:	Size (in.)
101056-01801	LM5-B/LM6-B	3/4-10 to 3/8-16
101056-02801	LM5-B/LM6-B	3/4-10 to 1/2-13
101965-03801	LM7-B/LM-9B	1-14 to 1/2-13
101965-02801	LM7-B/LM-9B	1-14 to 5/8-11
108213-03801	LM7-B/LM-9B	1-14 to 3/4-10

Metric Bolts & Bushings for Leveling Mounts

Ordering Information

METRIC BOLTS w/NUTS		
Part#	Designed for Mount:	Size (in.)
2099-39000/1	LM0-MB	M6-1 x 1.181 (30 mm)
2099-40000/1	LM1-MB	M10-1.5 x 2.953 (75 mm)
2099-44000/1	LM3-MB	M12-1.75 x 5 (127 mm)
2099-43000/1	LM5-MB/LM6-MB	M20-2.5 x 5 (127 mm)
2099-41000/1	LM7-MB/LM9-MB	M24-3.0 x 7.874 (200 mm)



LMS MOUNT SERIES

Features

- Neoprene elastomer bonded to steel construction
- Corrosion resistant exposed metal parts
- Proven durability
- ANSI and metric steel threads

Benefits

- Non skid elastomer
- Protects floor or surface finish
- Extends machinery life
- 1/2" of elastomer for controlled deflection and attenuation

Attenuated levelers designed for leveling and aligning sensitive electronic manufacturing equipment



LMS attenuated levelers are designed for leveling, aligning and isolating sensitive electronic manufacturing equipment. LMS Series levelers feature over .5" of neoprene elastomer bonded to the bottom of the leveler to provide shock-attenuated, non-skid support.

Applications

- Semiconductor equipment
- Electronic manufacturing equipment
- Industrial machinery

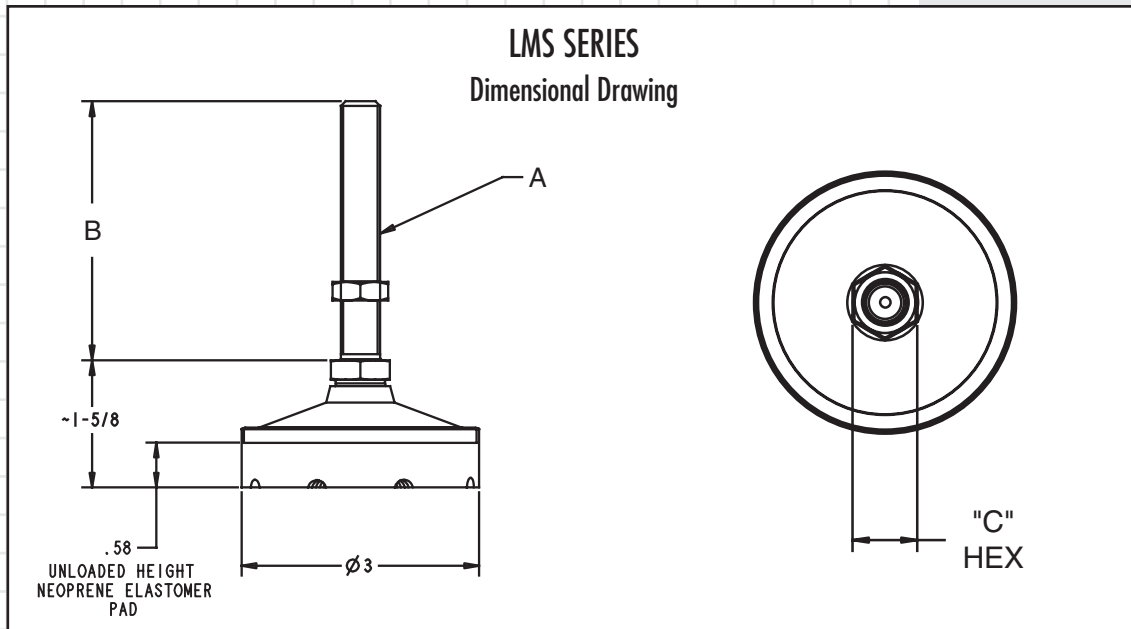
NATURAL FREQUENCY	10-20 Hertz
TRANSMISSIBILITY AT RESONANCE	8:1
RESILIENT ELEMENT	Neoprene
STANDARD MATERIALS	Black Corrosion Resistant Steel
ELASTOMER COLOR	Black

Environmental Data

- Neoprene elastomer has an operating temperature range of -20°F to +180°F (-30°C to +180°C) and is resistant to oils, most solvents and ozone.

LMS Mount Series

Dimensions & Performance Characteristics



LMS MOUNT SERIES LOAD RATING & DIMENSIONAL DATA					
Part #	Load Range Rating (lbs.)	Thread Units	"A"	"B"	"C"
LMS-12042	100-400	INCH	.500-13 UNC 2B	2"	.750"
LMS-12044	100-400			4"	
LMS-12082	200-800			2"	
LMS-12084	200-800			4"	
LMS-12122	400-1200			2"	
LMS-12124	400-1200			4"	
LMS-MI12042	100-400	METRIC	M12 x 1.75	51 mm	19 mm
LMS-MI12043	100-400			84 mm	
LMS-MI12082	200-800			51 mm	
LMS-MI12083	200-800			84 mm	
LMS-MI12122	400-1200			51 mm	
LMS-MI12123	400-1200			84 mm	



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Dimensions and data are subject to change without notice.

For technical, design, or application assistance, call toll free:

1-800-BARRY MA

633A MOUNT SERIES

Features

- Effectively isolate disturbing frequencies as low as 900 rpm (15 Hz)
- Cold-rolled steel construction
- Optional stainless steel version available upon request for highly corrosive and marine applications.
- Elastomer in shear design
- Compressive to shear stiffness of 4:1

Benefits

- Effectively interrupts noise transmission paths to prevent sounding board amplification
- Extends machinery life
- Resistant to oils, most solvents and ozone
- Provides up to 90% isolation efficiency at 1,500 rpm (25 Hz)

Load Range

- 5 load ratings up to 260 lbs. per mount

Low-profile, low frequency elastomeric noise and vibration isolators for medium weight industrial equipment.



Barry 633A Series Mounts are medium weight mounts normally used for vertically applied loads to prevent transmission of noise and vibration caused by rotation of imbalanced equipment (i.e. generators, blowers, pumps, etc...)

Applications

- Industrial equipment, tools and machinery
- Generators
- Pumps & blowers
- HVAC equipment
- Chillers

NATURAL FREQUENCY	8 Hertz
TRANSMISSIBILITY AT RESONANCE	8:1
RESILIENT ELEMENT	Neoprene
STANDARD MATERIALS	Cold Rolled Steel or Stainless Steel
WEIGHT	633A-60 through 130 = 7 oz. 633A-200 and 260 = 16 oz.

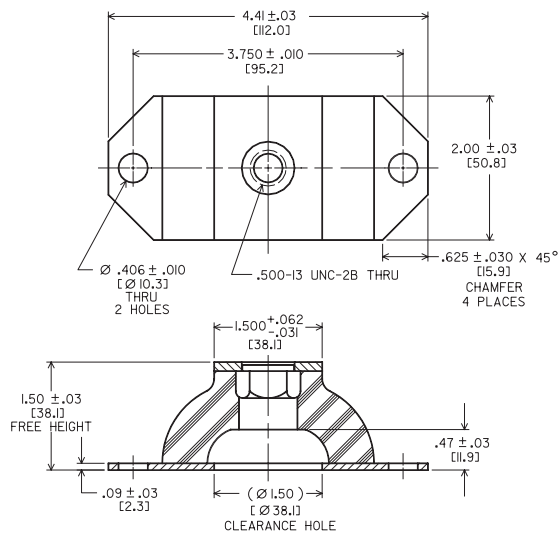
Environmental Data

- Neoprene elastomer has an operating temperature range of -40°F to +200°F (-40°C to +93°C) and is resistant to oils, most solvents and ozone.
- Stainless Steel version is corrosion resistant for marine applications.

633A Series (633A-60 through 633A-130)

Dimensions & Performance Characteristics

633A-60 through 633A-130 SERIES
Dimensional Drawing

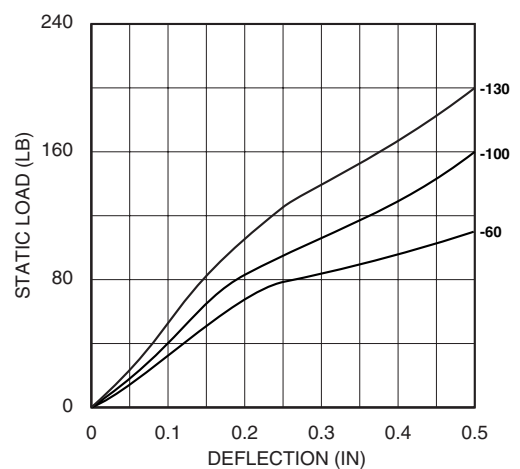


633A SERIES LOAD RANGES

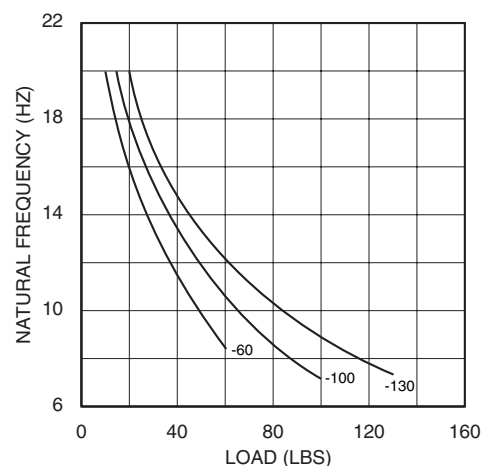
Part #	Maximum Static Load/Isolator (lbs.)
633A-60	60
633A-100	100
633A-130	130

NOTE: For stainless steel applications please add "SS" to part number. Example:
For Stainless Steel 633A-60 order
as part number 633A-60SS

633A-60 through 633A-130
Load vs. Deflection



633A-60 through 633A-130
Frequency vs. Load



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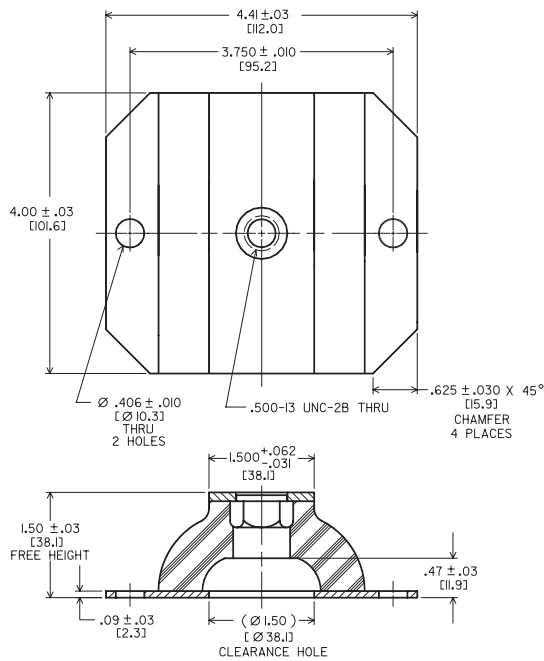
For technical, design, or application assistance, call toll free:

1-800-BARRY MA

633A Series (633A-260)

Dimensions & Performance Characteristics

633A-200 through 633A-260 SERIES
Dimensional Drawing

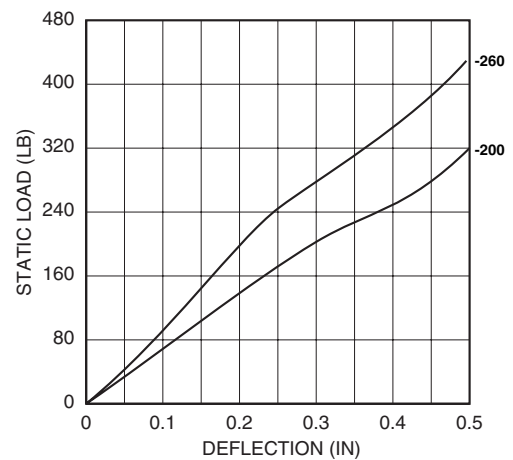


633A SERIES LOAD RANGES

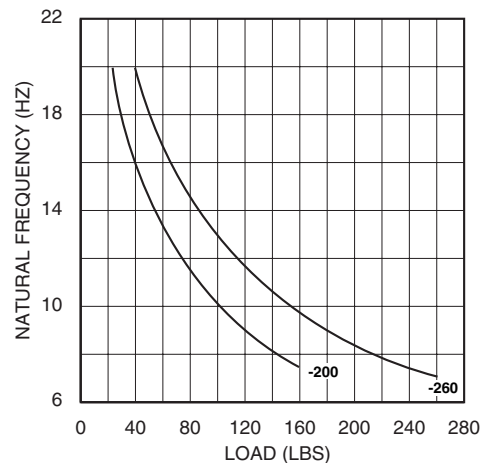
Part #	Maximum Static Load/Isolator (lbs.)
633A-200	200
633A-260	260

NOTE: For stainless steel applications please add "SS" to part number. Example:
For Stainless Steel 633A-200 order
as part number 633A-200SS

633A-200 through 633A-260
Load vs Deflection



633A-200 through 633A-260
Frequency vs. Load



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For technical, design, or application
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INDUSTRIAL MACHINERY MOUNT SERIES

Features

- Ideal for heavy industrial machinery
- For all types of industrial machinery
- Cold-rolled steel construction
- Provides efficient isolation for speeds as low as 750 rpm.
- Compressive to shear stiffness of 5:1

Benefits

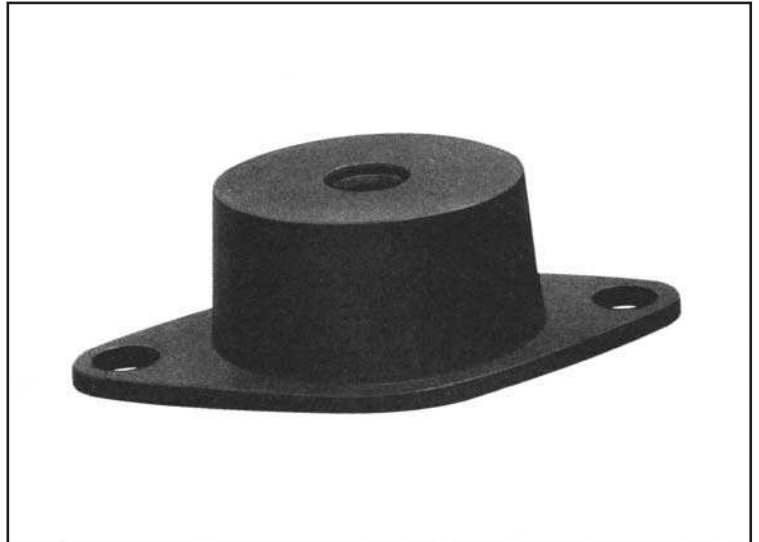
- Protects industrial equipment from damage caused by extended shock, noise and vibration exposure
- Extends machinery life
- Wide load range available
- Low maintenance
- Resistant to oils, most solvents and ozone

Load Range

- 670 Series = 3 ratings to 1,500 lbs. per mount
- 297 Series = 4 ratings to 4,400 lbs. per mount



Low-frequency elastomeric compression mounts for industrial machinery.



Barry Industrial Machinery Mounts are for use under heavy industrial machinery for shock, vibration and/or structure borne noise control. Barry Machinery Mounts provide efficient isolation for machine speeds as low as 750 rpm.

Applications

- Heavy industrial equipment, machinery and tools
- Motors, pumps and generators

NATURAL FREQUENCY	8-18 Hertz
TRANSMISSIBILITY AT RESONANCE	8:1
RESILIENT ELEMENT	Neoprene
STANDARD MATERIALS	Cold rolled steel
WEIGHT	Series 661 = 2 lbs. Series 670 = 2 lbs. Series 297 = 3 lbs.

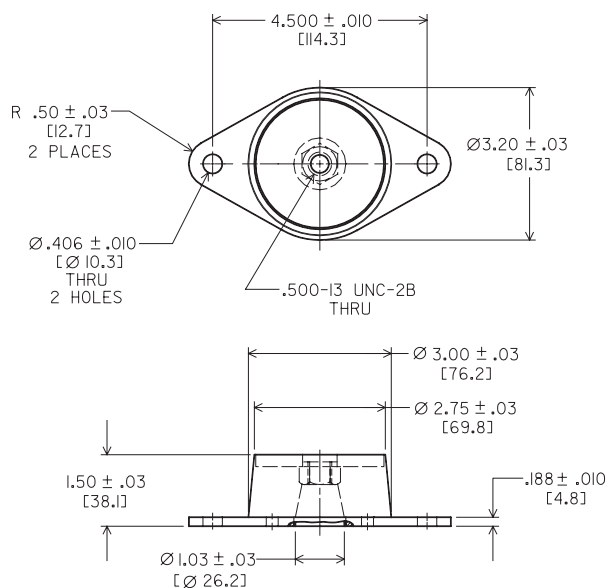
Environmental Data

- Neoprene elastomer has an operating temperature range of -40°F to +200°F (-40°C to +93°C) and is resistant to oils, most solvents and ozone.

Machinery Mount Series (661 Series)

Dimensions & Performance Characteristics

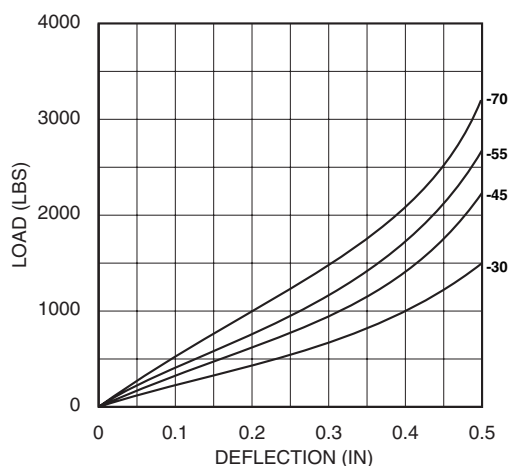
661 SERIES
Dimensional Drawing



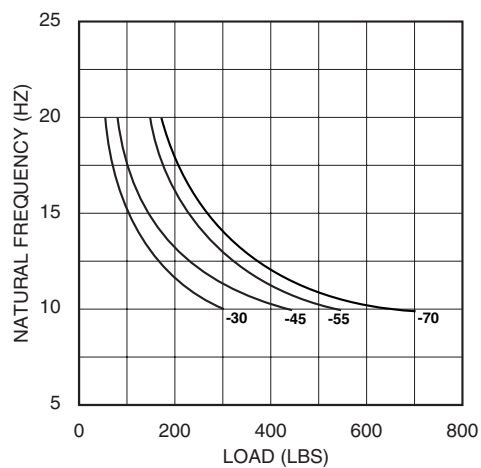
661 SERIES LOAD RANGE DATA

Part #	Maximum Static Load/Isolator (lbs.)
661-30	300
661-45	450
661-55	550
661-70	700

661 Series
Load vs. Deflection



661 Series
Frequency vs. Load



THE STEADY FORCE IN SHOCK & VIBRATION ISOLATION

Barry Controls

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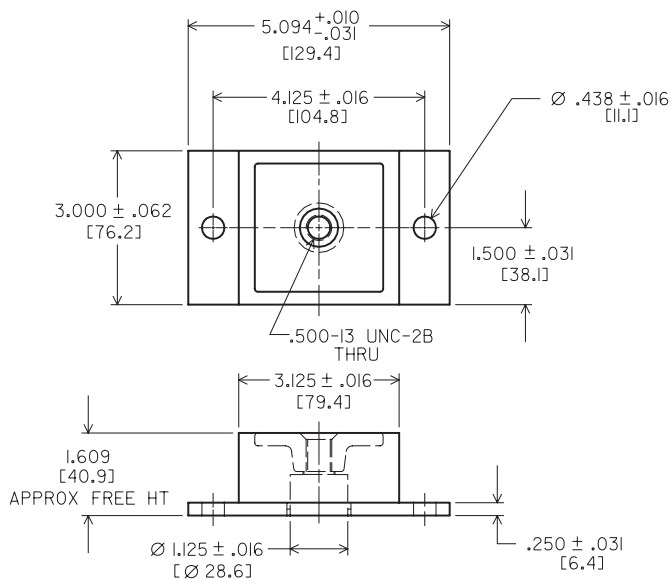
For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Machinery Mount Series (670 Series)

Dimensions & Performance Characteristics

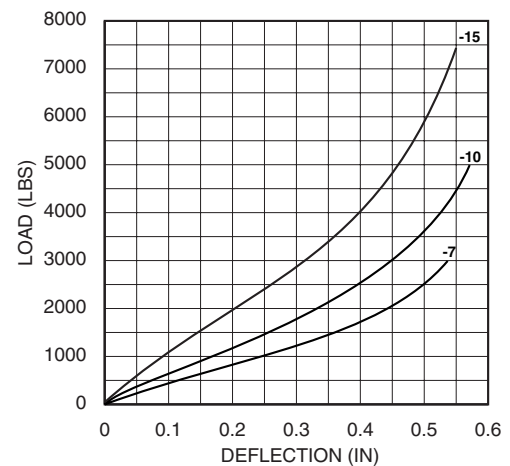
670 SERIES
Dimensional Drawing



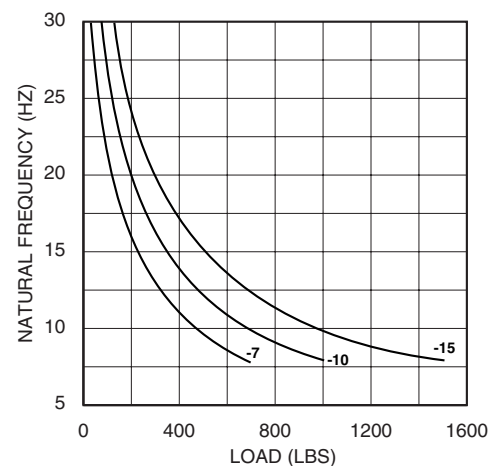
670 SERIES LOAD RANGE DATA

Part #	Maximum Static Load/Isolator (lbs.)
670-7	700
670-10	1,000
670-15	1,500

670 Series
Load vs Deflection



670 Series
Frequency vs. Load



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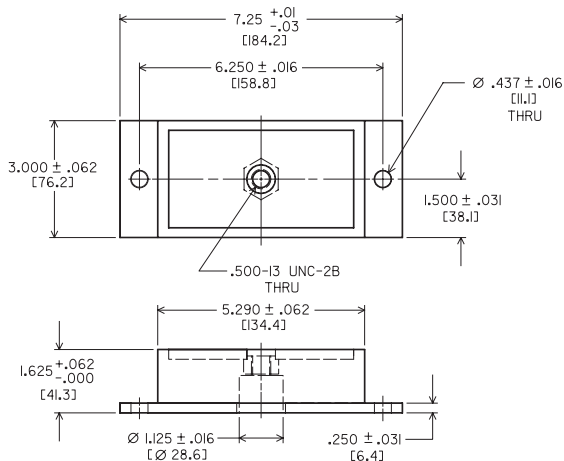
For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Machinery Mount Series (297 Series)

Dimensions & Performance Characteristics

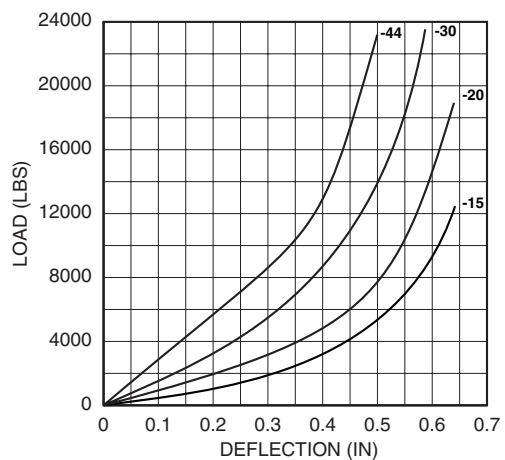
297 SERIES
Dimensional Drawing



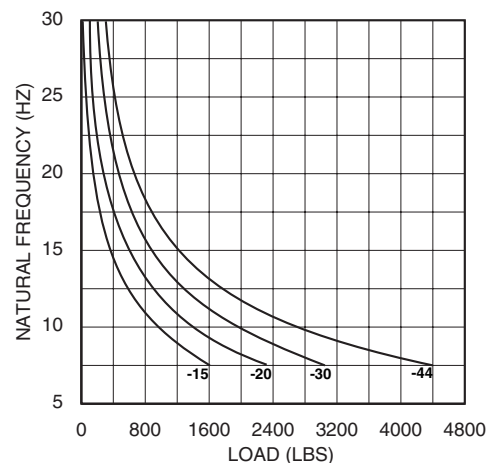
297 SERIES LOAD RANGE DATA

Part #	Maximum Static Load/Isolator (lbs.)
297-15	1,500
297-20	2,000
297-30	3,000
297-44	4,400

297 Series
Load vs Deflection



297 Series
Frequency vs. Load



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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

30005 SERIES NEOPRENE PADS

Features

- Ideal for a wide range of industrial applications
- No tools, bolting or adhesives required for installation
- Neoprene isolator
- Pads can be easily cut to smaller sizes
- US Navy approved for Distributed Isolation Materials in construction of ships & submarines

Benefits

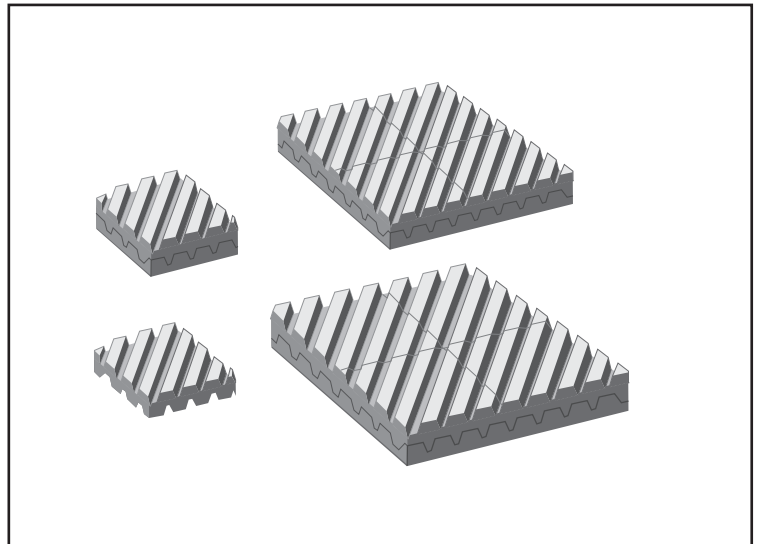
- Protects industrial equipment from damage caused by extended shock, noise and vibration exposure
- Easily installed or relocated
- Can be used in a broad range of applications where moderate shock, vibration and noise reduction is required
- Low maintenance
- Resistant to oils, most solvents and ozone

Load Range

- Provides drift resistance up to 50 psi



An economical solution to general shock, vibration and noise problems in a variety of applications



Barry Neoprene Pads are designed for use as a general purpose shock, vibration and noise attenuator or where the advantages of elastomeric characteristics are required but a specific type of isolator has not been called out.

Applications

- Drill Presses
- Microscopes
- Printing Equipment
- Riveters
- Sanders and Saws
- Work Benches

NATURAL FREQUENCY	20 - 35 Hertz
TRANSMISSIBILITY AT RESONANCE	8:1
RESILIENT ELEMENT	Neoprene
STANDARD MATERIALS	Neoprene
WEIGHT	4" x 4" square = 2 oz.

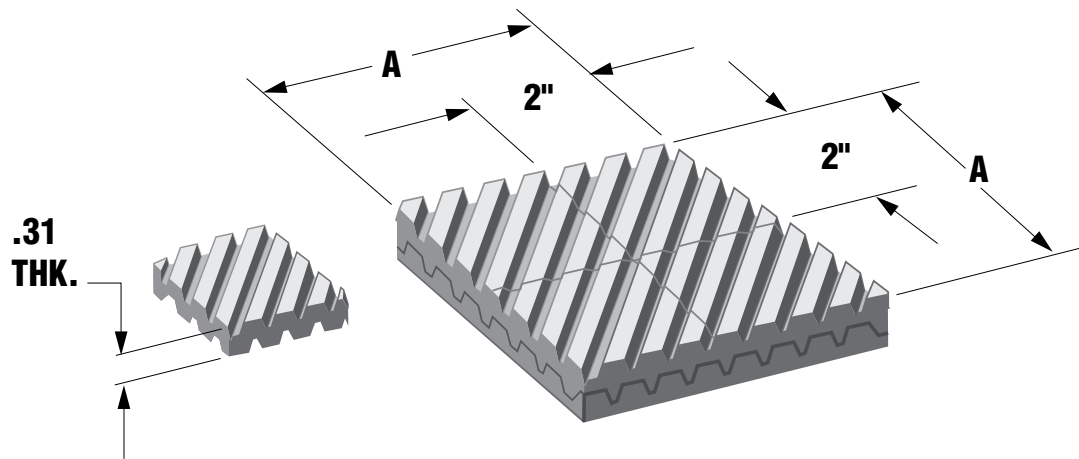
Environmental Data

- Neoprene elastomer has an operating temperature range of -20°F to +180°F (-30°C to +85°C) and is resistant to oils, most solvents, salt spray and ozone.

Neoprene Pad Series

Dimensions & Performance Characteristics

NEOPRENE PAD SERIES
Dimensional Drawing



PART #	"A" (Inches)	Description
30005-4	4	One 4" x 4" square pad
30005-12	12	One 12" x 12" square pad
30005-1	24	One 24" x 24" square pad



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Dimensions and data are subject to change without notice.

For technical, design, or application assistance, call toll free:

1-800-BARRY MA

ELASTOMER SPRING SERIES

Features

- All elastomer isolators
- Very slight pressure set
- Minimal wear through abrasion
- Excellent resistance to oil and ozone
- Stackable

Benefits

- Quieter and safer operation than steel
- Eliminates die damage caused by shattered springs
- Longer stroke at same load

Load Range

- Load range up to 15,000 lbs.



Low cost, compact, all elastomer mounts for vibration and noise control.



When compared to other types of springs, Barry Elastomer Springs have proven to be the safest, most efficient and reliable compression material for punching, stamping and drawing dies. Elastomer Springs can be used in other applications requiring exceptionally high energy storage in a small area.

Applications

- Punching Dies
- Stamping Dies
- Drawing Dies

Since Barry Controls introduced elastomer springs, a steadily increasing number of metal fabricators in the aircraft, automobile, appliance and electronics industries are making use of their specific advantages which are: higher loads, increased durability, better performance, freedom from maintenance and a very long life.

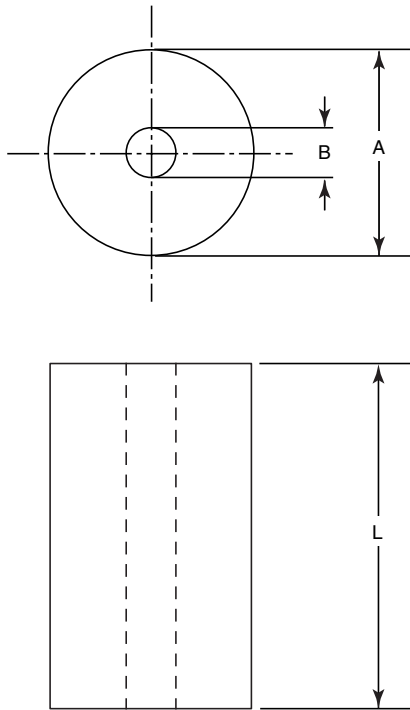
Environmental Data

- Neoprene elastomer has an operating temperature range of -20°F to +180°F (-30°C to +85°C) and is resistant to oils, most solvents, salt spray and ozone.

Elastomer Spring Series

Dimensions & Load Range Data

ELASTOMER SPRING SERIES
Dimensional Drawing



Dimensions and data are subject to change without notice.

For technical, design, or application assistance, call toll free:

1-800-BARRY MA



Barry Controls

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Part Number	A	B	L	R	D	T
ES-3500	.63"	.25"	15/32"	436	.17"	72
ES-3501			5/8"	353	.22"	77
ES-3502			25/32"	292	.27"	80
ES-3503			1"	236	.34"	83
ES-3510	.787"	.33"	5/8"	610	.22"	133
ES-3511			25/32"	482	.28"	132
ES-3512			1"	381	.35"	133
ES-3512			1.25"	287	.44"	126
ES-3520	1.00"	.41"	25/32"	787	.28"	215
ES-3521			1"	598	.35"	209
ES-3522			1.25"	524	.44"	229
ES-3523			1.562"	440	.55"	241
ES-3530	1.25"	.53"	1.25"	1031	.44"	451
ES-3531			1.578"	828	.55"	471
ES-3532			1.969"	651	.69"	456
ES-3533			2.50"	517	.87"	452
ES-3540	1.56"	.53"	1.25"	1790	.44"	783
ES-3541			1.578"	1434	.55"	816
ES-3542			1.969"	1148	.69"	804
ES-3543			2.50"	931	.87"	815
ES-3544			3.156"	744	1.10"	830
ES-3550	2.00"	.66"	1.25"	2959	.44"	1295
ES-3551			1.578"	2411	.55"	1371
ES-3552			1.969"	1852	.69"	1296
ES-3553			2.50"	1482	.87"	1297
ES-3554			3.156"	1192	1.10"	1330
ES-3555			3.937"	950	1.38"	1330
ES-3560	2.50"	.66"	1.25"	4565	.44"	1997
ES-3561			1.578"	3650	.55"	2076
ES-3562			1.969"	2830	.69"	1981
ES-3563			2.50"	2286	.87"	2000
ES-3564			3.156"	1809	1.10"	2018
ES-3565			3.937"	1468	1.38"	2055
ES-3566			4.922"	1375	1.72"	2406
ES-3570	3.15"	.83"	1.25"	9088	.44"	3926
ES-3571			1.578"	7038	.55"	4003
ES-3572			1.969"	5768	.69"	4038
ES-3573			2.50"	4572	.87"	4000
ES-3574			3.156"	3485	1.10"	3889
ES-3575			3.937"	2567	1.38"	3594
ES-3576			4.922"	2010	1.72"	3518
ES-3580	3.94"	.83"	1.25"	15216	.44"	6657
ES-3581			1.578"	10427	.55"	5930
ES-3582			1.969"	8466	.69"	5926
ES-3583			2.50"	6435	.87"	5631
ES-3584			3.156"	4648	1.10"	5186
ES-3585			3.937"	3440	1.38"	4816
ES-3586			4.922"	2540	1.72"	4445
ES-3590	4.92"	1.06"	1.25"	33815	.44"	14794
ES-3591			1.578"	22810	.55"	12973
ES-3592			1.969"	14817	.69"	10372
ES-3593			2.50"	10584	.87"	9261
ES-3594			3.156"	7138	1.10"	7965
ES-3595			3.937"	5680	1.38"	7952
ES-3596			4.922"	4022	1.72"	7039
ES-3597			6.312"	3102	2.21"	6853

R = Spring Rate, lbs./inch deflection +/- 20%

D = Maximum recommended deflection -35%L

T = Approximate total load at maximum deflection +/- 20%

WEDGE MOUNTS

Features

- Grooved top
- Provides leveling adjustment on all planes
- Low profile
- Corrosion resistant finish
- Lift capacities from 3,000-30,000 lbs.

Benefits

- Permits oils and liquids to run out
- 3-piece version compensates up to 5° for uneven floors
- Improves machinery stability
- Reduces both vibration and noise when used with felt mounting pad
- Low maintenance
- Provides a solid, easily adjustable support for industrial machinery

Load Range

- Four versions with load ranges from 3,000 to 30,000 lbs.

Precision machine leveling and dependable machine support from a wedge-action leveling jack



NEW!

Barry Wedge Mounts provide solid, easily adjustable leveling support for machinery and production equipment. These mounts compensate for uneven floors and will dramatically increase equipment efficiency, stability and service life. When used with optional felt pad, reduces both vibration and noise. The three-piece version's self-aligning base compensates for uneven floors up to 5°.

Applications

- Punch Presses
- Milling Machines
- Lathes
- CNC Machinery
- Die Casting Machines
- Conveyor Systems

OPTIONAL RESILIENT ELEMENT	Felt
STANDARD MATERIALS	Cast Iron Black Oxide Finish
WEIGHT	See Table on Page 12

Environmental Data

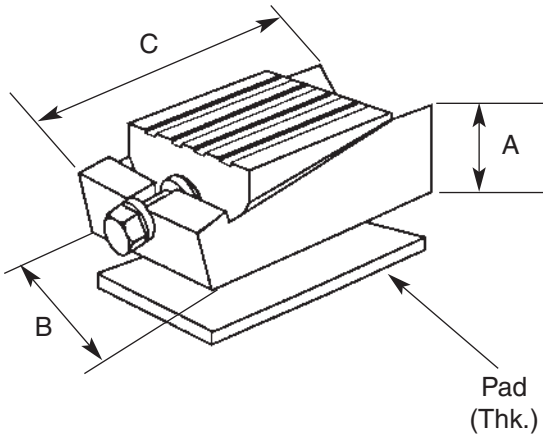
- Felt resilient element is 90% wool bonded by heat and is solvent resistant and stable in oil. Acid/Alkali resistant

Wedge Mounts

WM Series Dimensions & Performance Characteristics

2 PIECE WM SERIES WEDGE MOUNTS

Light to Medium Applications



3,000 lbs. RATED LIFT CAPACITY

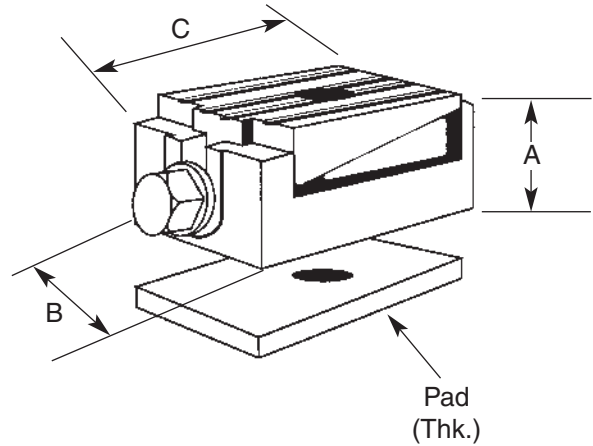
Part#	A	B	C	Pad	Weight	Rise
WM-3	1.125"	3.5"	6"	—	5 lbs.	1/4"
WM-3-025	1.125"	3.5"	6"	1/4"	5 lbs.	1/4"
WM-3-050	1.125"	3.5"	6"	1/2"	5 lbs.	1/4"
WM-3-075	1.125"	3.5"	6"	3/4"	5 lbs.	1/4"

9,000 lbs. RATED LIFT CAPACITY

Part#	A	B	C	Pad	Weight	Rise
WM-9	2.25"	3.5"	6"	—	11 lbs.	3/8"
WM-9-025	2.25"	3.5"	6"	1/4"	11 lbs.	3/8"
WM-9-050	2.25"	3.5"	6"	1/2"	11 lbs.	3/8"
WM-9-075	2.25"	3.5"	6"	3/4"	11 lbs.	3/8"

3 PIECE WM SERIES WEDGE MOUNTS

Medium to Heavy Applications



15,000 lbs. RATED LIFT CAPACITY

Part#	A	B	C	Pad	Weight	Rise
WM-15	2.375"	3.5"	6.75"	—	11 lbs.	3/16"
WM-15-025	2.375"	3.5"	6.75"	1/4"	11 lbs.	3/16"
WM-15-050	2.375"	3.5"	6.75"	1/2"	11 lbs.	3/16"
WM-15-075	2.375"	3.5"	6.75"	3/4"	11 lbs.	3/16"

20,000 lbs. RATED LIFT CAPACITY

Part#	A	B	C	Pad	Weight	Rise
WM-20	2.75"	3.5"	6.75"	—	14 lbs.	1/4"
WM-20-025	2.75"	3.5"	6.75"	1/4"	14 lbs.	1/4"
WM-20-050	2.75"	3.5"	6.75"	1/2"	14 lbs.	1/4"
WM-20-075	2.75"	3.5"	6.75"	3/4"	14 lbs.	1/4"

30,000 lbs. RATED LIFT CAPACITY

Part#	A	B	C	Pad	Weight	Rise
WM-30	2.75"	3.5"	6.75"	—	15 lbs.	1/4"

Wedge Mount Series

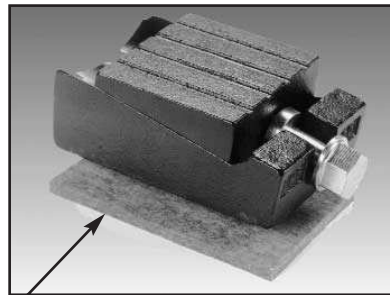
Optional Felt Mounting Pad Information

The use of felt Mounting Pads in conjunction with Barry Wedge Mounts is recommended to reduce the damaging effects of vibration. The pads are resistant to oil, grease and acids. They resist breakdown under loads and over time.

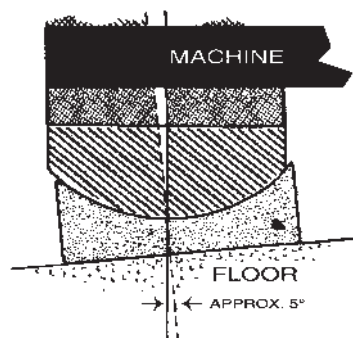
Felt Mounting Pads reduce the transmission of internal machine noises to the building structure and reduce transmitted vibrations from one machine to the other. In many cases, they reduce the need for anchor bolts by stopping machine creep.

Available in various thicknesses, the vibration capacity of felt is exceptionally high, as demonstrated by the following data:

	PERCENTAGE VIBRATION REDUCTION
Felt 1/4" Pad	43%
Felt 1/2" Pad	74%
Felt 3/4" Pad	80%



Barry Wedge Mount with
Optional Felt Mounting Pad



The lower surface of wedge is specially contoured to float laterally within the concave base unit, automatically compensating for uneven floor conditions up to 5° of slope.

990/915 MOUNT SERIES

Features

- Captive, fail-safe design
- Natural rubber elements
- Meet MIL standards
- Eyelet reinforced mounting holes

Benefits

- Reduce installation costs
- No special foundations required
- Isolate shock & vibration and reduce structure-borne noise
- Minimize sounding board effects
- Reduce maintenance costs

Load Range

- 990 = 7 sizes with load ratings from 1.8 - 30 lbs. per isolator
- 915 = 6 sizes with load ratings from 15 - 200 lbs. per isolator

Low-frequency, captive, industrial-type mounts for vibration and structure-borne noise isolation



990 and 915 mounts are for applications under light to medium weight industrial machinery requiring noise, shock and vibration isolation and are ideal for applications where structure-borne noise and sounding board effects must be minimized.

Applications

- Phonographic Equipment
- Light motors (Fractional HP)
- Scales
- Cameras
- Optical Equipment
- Vacuum Pumps

NATURAL FREQUENCY	10 Hertz
TRANSMISSIBILITY AT RESONANCE	
RESILIENT ELEMENT	Natural Rubber (Standard)
STANDARD MATERIALS	Zinc-Plated Cold Rolled Steel
WEIGHT	5.3 oz.

Environmental Data

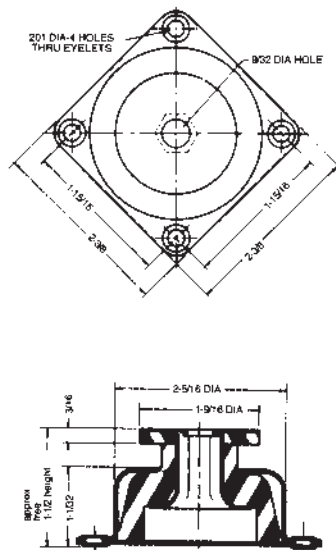
- Natural Rubber elastomer has an operating temperature range of -40°F to +180°F. Optional Neoprene elastomer is available for resistance to ozone and/or oil environments and has an operating temperature range of -20°F to +180°F.

990/915 Mount Series

Dimensions & Load Ranges

990 MOUNTS

Dimensional Drawing



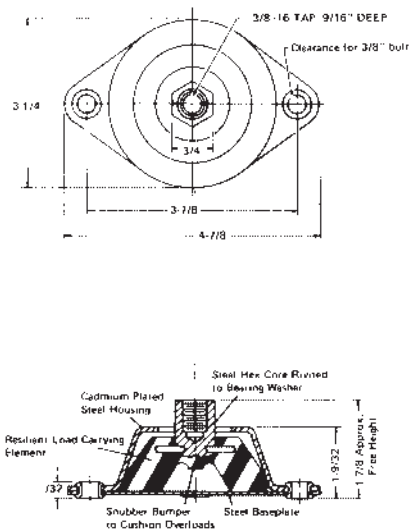
990 MOUNTS

LOAD RATINGS

Part #	Load Range - lbs.
990-3	1.8 - 3
990-5	3 - 5
990-7	4.5 - 7
990-10	5 - 10
990-15	8 - 15
990-20	12 - 20
990-30	19 - 30

915 MOUNTS

Dimensional Drawing

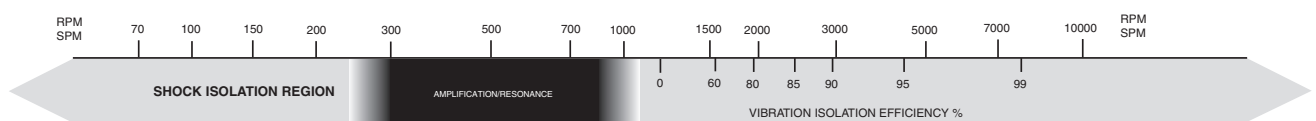


915 MOUNTS

LOAD RATINGS

Part #	Load Range - lbs.
915-25	15 - 25
915-40	25 - 40
915-60	35 - 60
915-90	50 - 90
915-150	70 - 150
915-200	120 - 200

990/915 Series Mounts Application Performance



Cup Style Mounts



- Cupmount Series (1000-4000)
- S Mount Series (S22/S44/S64)
- L Mount Series (L21/L44/L64)
- H Mount Series (H44/H64)
- T Mount Series (T22/T44/T64/T94)
- B Mount Series (B21/B22/B44/B64)

CUPMOUNT SERIES (1000-4000)

Features

- Fail-safe, all-attitude isolators
- Gradually increasing stiffness under compression prevents bottoming out
- Zinc plated steel construction
- Provides isolation for frequencies above 40 Hz at max. load
- Compact, low-profile design

Benefits

- Provides protection in all directions
- Provides effective reduction of structure borne noise

Load Range

- Series 1000 = 4 load ratings to 100 lbs./mount
- Series 2000 = 4 load ratings to 250 lbs./mount
- Series 4000 = 4 load ratings to 900 lbs./mount
- Series 3000 = 4 load ratings to 1,800 lbs./mount



A universal set of mounts for protection from severe shock environments, high-frequency vibration and structure borne noise.



Barry Cupmounts combine protection against severe shock with efficient vibration isolation characteristics at frequencies above 40 Hertz. They can be mounted in any orientation for protection of sensitive electronic, electrical and mechanical equipment from high impact shocks.

Applications

- Vehicular electronics
- Motors & pumps
- Fans & blowers
- Transformers
- Shipboard equipment
- Aircraft/missile electronics
- Racking systems
- Random vibration environments

NATURAL FREQUENCY	20-45 Hertz
TRANSMISSIBILITY AT RESONANCE	4 max. (Hi-Damp Silicone) 6 max. (Universal Compound) 10 max. (Natural Rubber)
RESILIENT ELEMENT	Hi-Damp Silicone, Universal Black Elastomer, Natural Rubber
STANDARD MATERIALS	Zinc plated steel
WEIGHT	Series 1000 = 6 oz. Series 2000 = 1 lb. Series 3000 = 10 lbs. Series 4000 = 4 lbs.

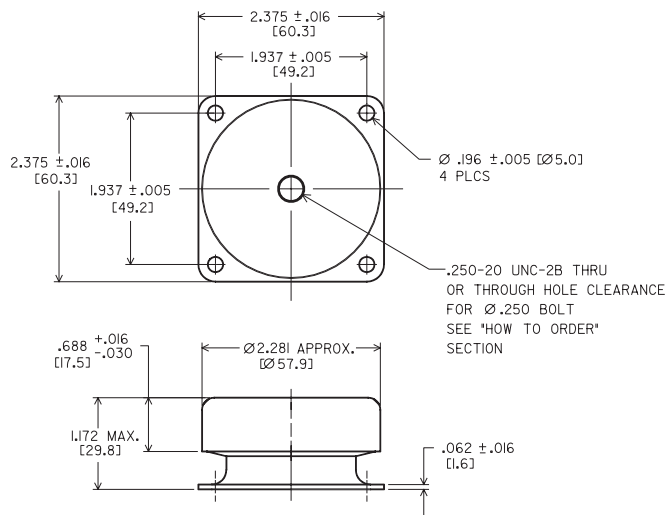
Environmental Data

- Barry Hi-Damp® Elastomer provides the most damping, an exceptionally high operating temperature range of -67°F to +300°F (-55°C to +150°C) and is resistant to ozone, fungus and other contaminants.
- Universal Black Elastomer is ideal when moderate damping is required and where oil immersion is encountered. Meets MIL-M-17185 (environmental) and MIL-STD-167 (vibration) specifications. The operating temperature range is -65°F to +180°F (-54°C to +85°C).
- Natural rubber provides high fatigue life. Operating range is -40°F to +180°F (-40°C to +85°C).

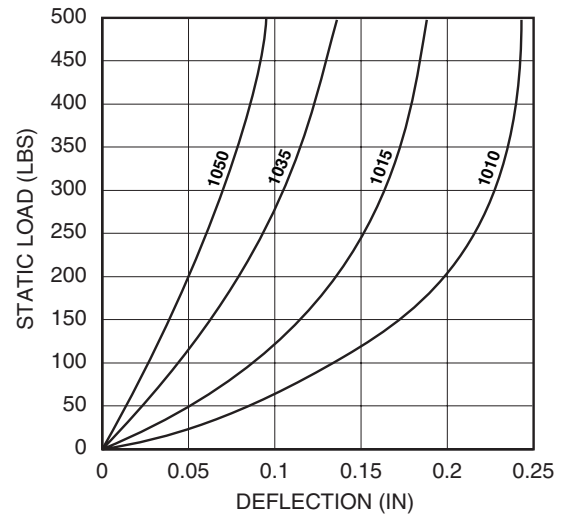
1000 Series Cupmount

Dimensions & Performance Characteristics

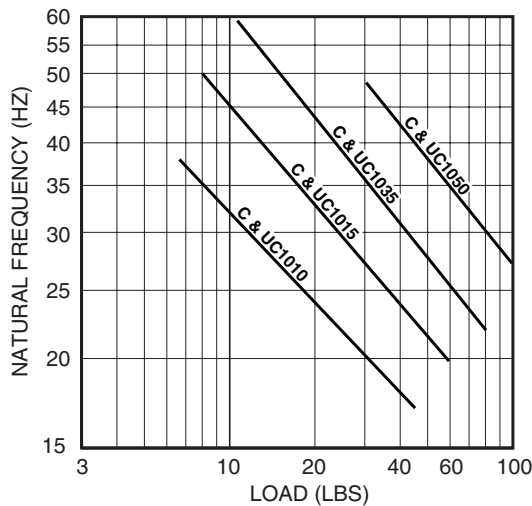
SERIES 1000
Dimensional Drawing



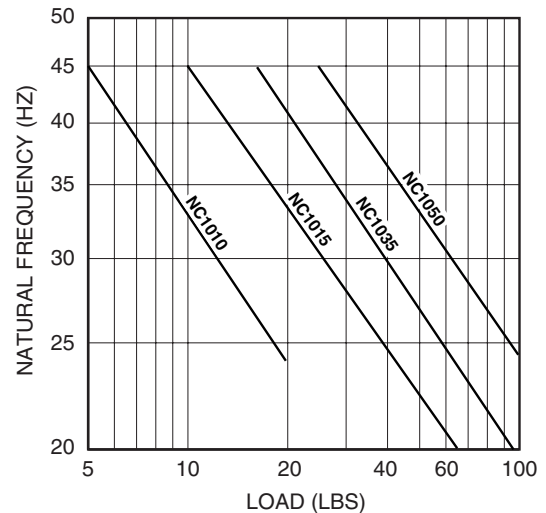
SERIES C, UC & NC 1000
Load vs. Deflection



SERIES C1000 and UC1000
Load vs. Natural Frequency



SERIES NC1000
Load vs. Natural Frequency



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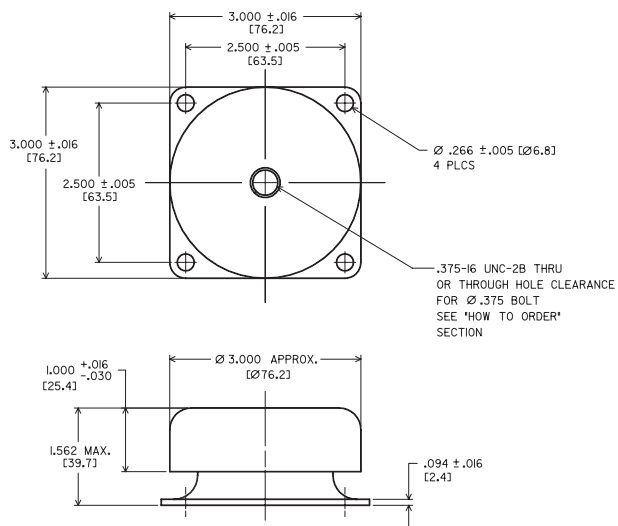
For technical, design, or application assistance, call toll free:

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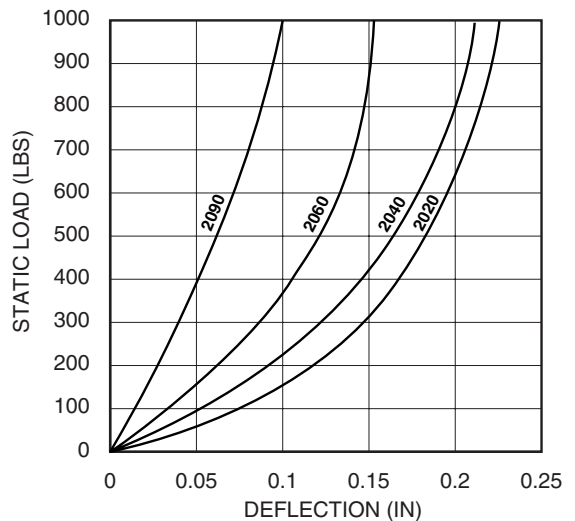
2000 Series Cupmount

Dimensions & Performance Characteristics

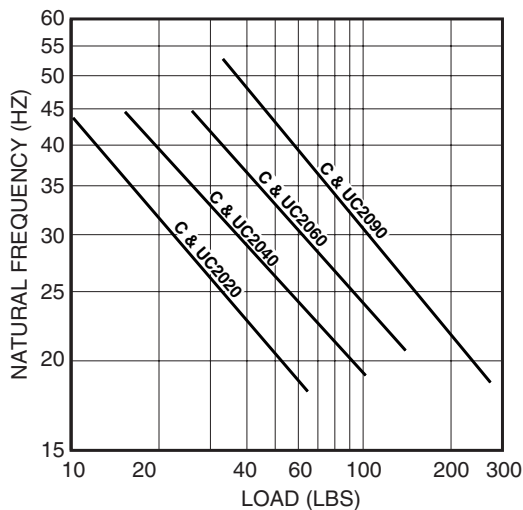
SERIES 2000
Dimensional Drawing



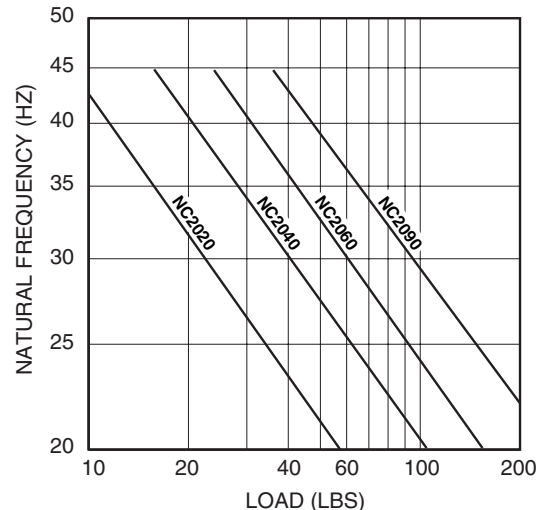
SERIES C, UC & NC 2000
Load vs. Deflection



SERIES C2000 and UC2000
Load vs. Natural Frequency



SERIES NC2000
Load vs. Natural Frequency



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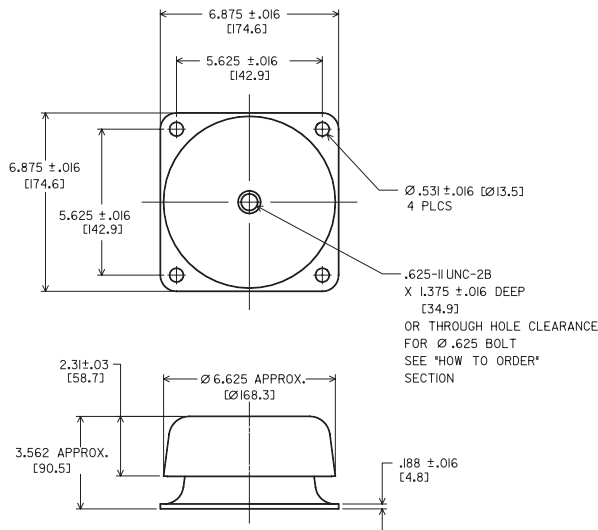
For technical, design, or application assistance, call toll free:

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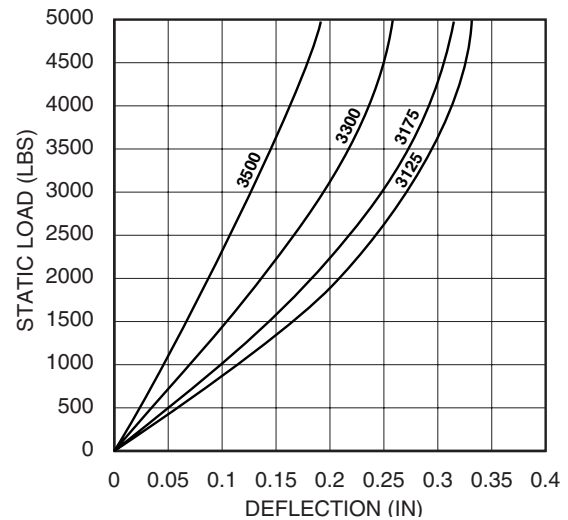
3000 Series Cupmount

Dimensions & Performance Characteristics

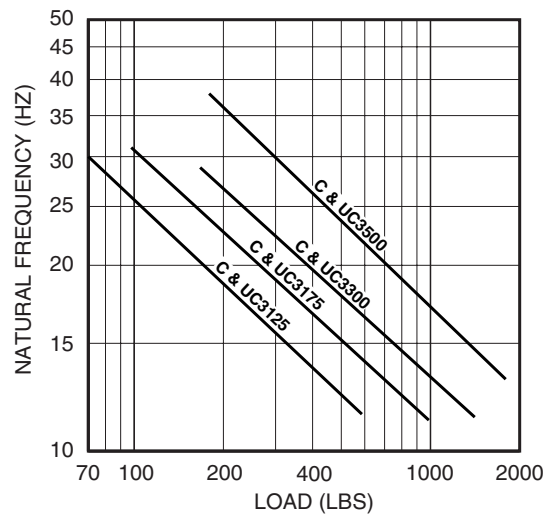
SERIES 3000
Dimensional Drawing



SERIES C, UC 3000
Load vs. Deflection



SERIES C3000 and UC3000
Load vs. Natural Frequency



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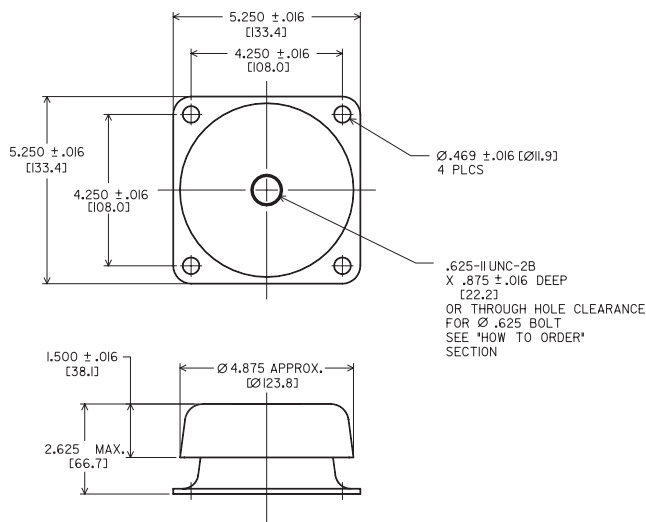
For technical, design, or application assistance, call toll free:

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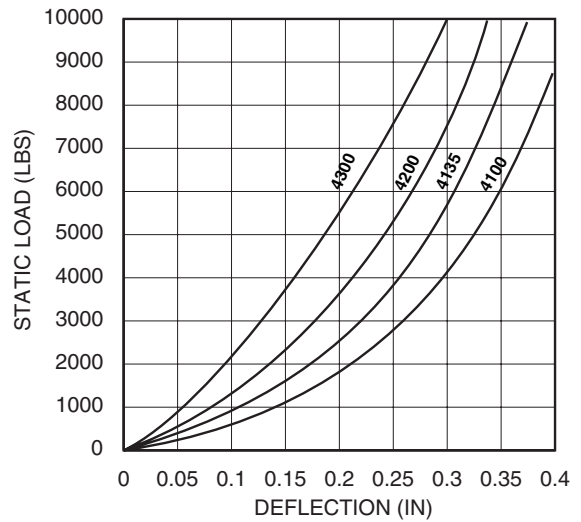
4000 Series Cupmount

Dimensions & Performance Characteristics

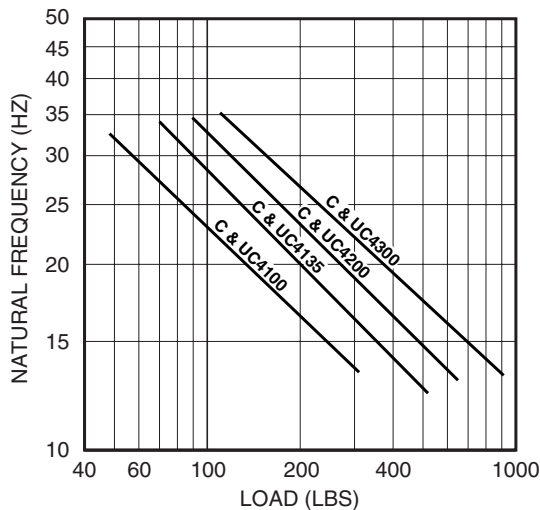
SERIES 4000
Dimensional Drawing



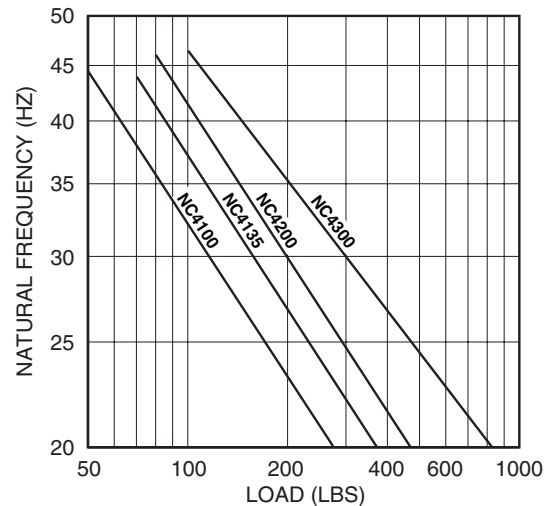
SERIES C, UC & NC 4000
Load vs. Deflection



SERIES C4000 and UC4000
Load vs. Natural Frequency



SERIES NC4000
Load vs. Natural Frequency



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Cupmount Series

How to order Cupmounts

The part numbering system of the Barry Cupmount series includes coded designations of the metal parts, elastomer, size, load rating and attachment core characteristics. Please note, aluminum parts are available for 1000 & 2000 series only.

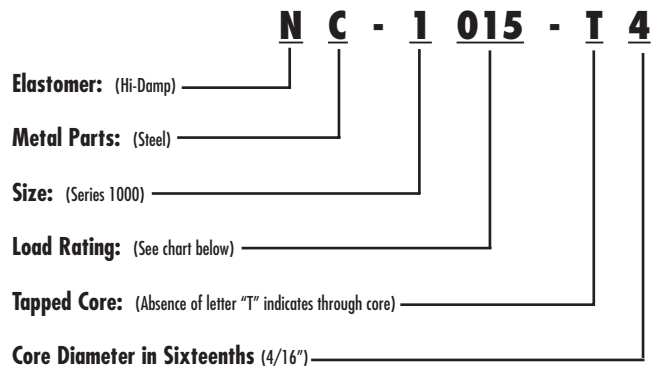
The **letter prefix** preceding a part number designates the metal and elastomer. The **first number** of the four digit part number designates the size, or series of the Cupmount.

The **suffix** designates a through core or tapped core, and core diameter. The **absence** of the letter "T" indicates a through core. The **number** indicates the core diameter bolt size. Refer to dimensional drawings for standard core diameters.

To avoid overstressing attachment bolts, core diameter cannot be interchanged from series to series.

PREFIX	METAL	ELASTOMER
NC	Cold-rolled steel (zinc plated finish)	Hi-damp Silicone
UC		Universal
C		Natural Rubber
NL	Aluminum	Hi-damp Silicone

Typical Barry Controls Cupmount Part Number:



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CUPMOUNT SERIES LOAD RATINGS

Part #	Maximum Load Range - lbs. (Vibration Applications)	Load Range - lbs. (Shock Applications)
1010	20	8-14
1015	30	14-24
1035	70	24-38
1050	100	38-60
2020	50	15-30
2040	100	30-50
2060	150	50-80
2090	250	80-105
4100	250	65-100
4135	400	100-155
4200	650	155-200
4300	900	200-285
3125	600	80-120
3175	800	120-185
3300	1400	185-285
3500	1800	285-530

S-MOUNT SERIES (S22/S44/S64)

Features

- Low resonant transmissibility
- 2 stage air-damping
- Low natural frequency isolation
- Axial to radial stiffness ratio of 4:1
- Fail safe construction

Benefits

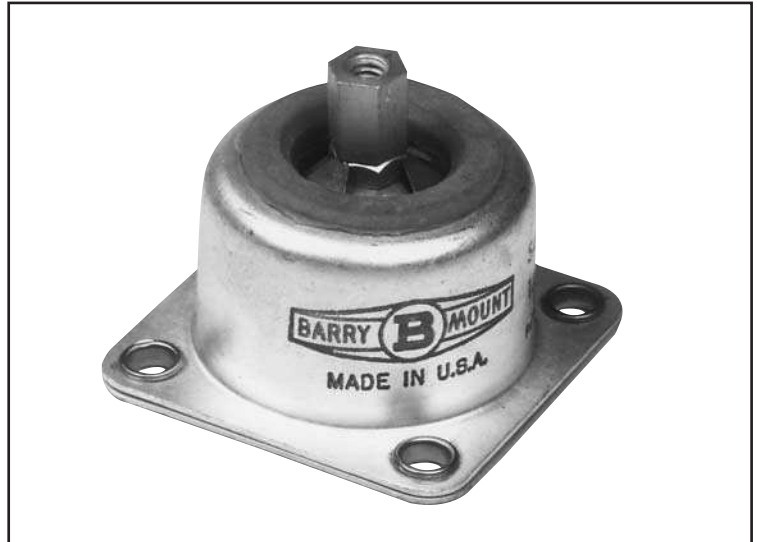
- Up to 90% isolation efficiency with inputs as low as 40 Hz.
- Variable air-damping provides increasing isolation efficiency in high-frequency regions, even when input excursions become small

Load Range

- S22 = 6 load ratings from .3 - 3 lbs. per mount
- S44 = 7 load ratings from .25 - 9 lbs. per mount
- S64 = 7 load ratings from 2.0 - 35 lbs. per mount



Low-frequency variable air-damped mounts for a high level of vibration isolation.



Barry S-Mounts are air-damped isolators and are designed to provide the highest degree of vibration isolation for sensitive commercial and military airborne equipment. S-Mounts are particularly effective at isolating low level vibration.

Applications

- Military & commercial airborne equipment
- Computers and storage devices
- Optical devices & instrumentation
- Lasers
- Clinical diagnostic equipment

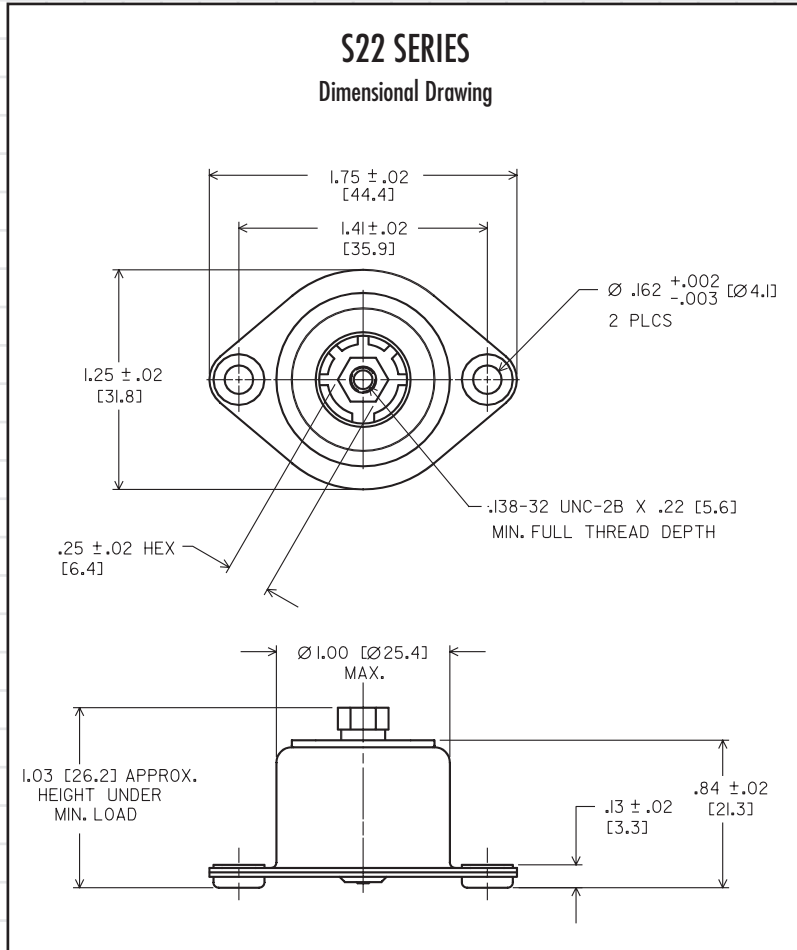
NATURAL FREQUENCY	7-10 Hertz vertical
TRANSMISSIBILITY AT RESONANCE	3.5 Max. at sea level Approx. 4.3 at 50,000 feet
RESILIENT ELEMENT	Air-damped spring
STANDARD MATERIALS	Varies with model
WEIGHT	S22 = 0.5 oz. S44 = 2.5 oz. S64 = 5.0 oz.

Environmental Data

- Silicone Air Chambers and Snubbers have operating temperature ranges of -67°F to +300°F (-55°C to +150°C).
- Mounts meet all applicable standards of MIL-C-172 and are fungus and oil resistant.

S Mount Series (S22)

Dimensions



Dimensions and data are subject to change without notice.

For technical, design, or application assistance, call toll free:

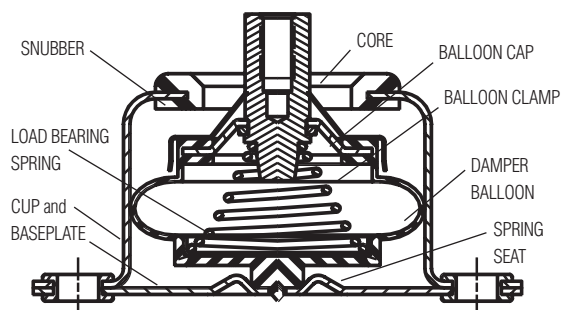
1-800-BARRY MA

S22 LOAD RANGES

Part #	Static Load Range / Isolator (lbs.)
S22-AA-0.5	0.3 - 0.5
S22-AA-0.8	0.5 - 0.8
S22-AA-1.1	0.6 - 1.1
S22-AA-1.5	0.9 - 1.5
S22-AA-2.2	1.3 - 2.2
S22-AA-3.0	2.2 - 3.0

S MOUNT SERIES

Cutaway Drawing

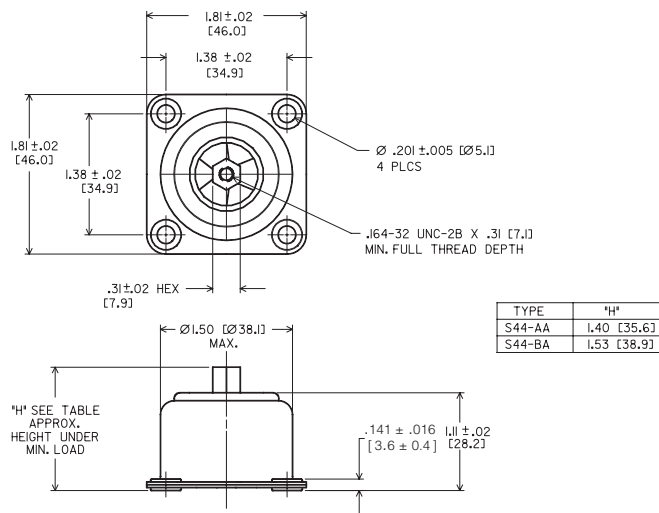


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S Mount Series (S44/S64)

Dimensions & Load Range Data

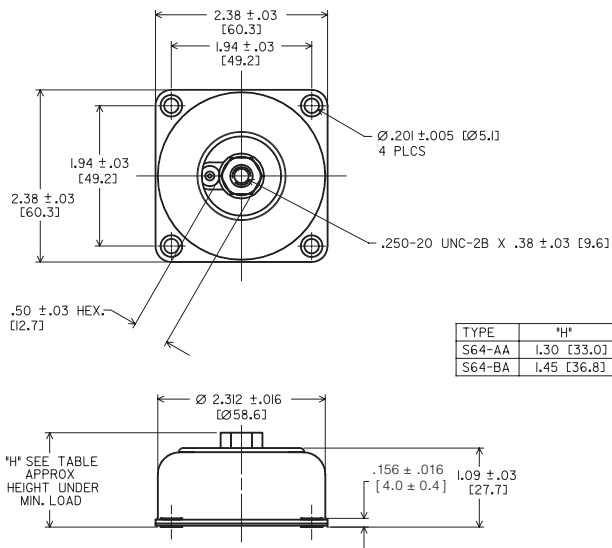
S44 SERIES Dimensional Drawing



S44 LOAD RANGES

Part #	Static Load Range / Isolator (lbs.)
S44-AA-0.5 & BA-0.5	0.25-0.5
S44-AA-1.0 & BA-1.0	0.5-1.0
S44-AA-3.0 & BA-3.0	1.5-3.0
S44-AA-4.5 & BA-4.5	2.5-4.5
S44-AA-7.0 & BA-7.0	4.0-7.0
S44-AA-9.0 & BA-9.0	6.5-9.0

S64 SERIES Dimensional Drawing



S64 LOAD RANGES

Part #	Static Load Range / Isolator (lbs.)
S64-AA-4.5 & BA-4.5	3.0-4.5
S64-AA-6.0 & BA-6.0	3.5-6.0
S64-AA-10.0 & BA-10.0	6.0-10.0
S64-AA-12.5 & BA-12.5	9.5-12.5
S64-AA-20.0 & BA-20.0	12.5-20.0
S64-AA-25.0 & BA-25.0	19.0-25.0



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For technical, design, or application assistance, call toll free:

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L-MOUNT SERIES (L21 /L22/L44/L64)

Features

- Marking of mounts with military designations available on special order
- Aluminum construction
- Axial to radial stiffness of 4:1
- For base mounting only
- Fail safe construction

Benefits

- Isolation performance maintained in attitudes up to 10° from the horizontal
- Low ratio of horizontal and vertical stiffness which holds transmissibility in rocking modes to unusually low magnitudes

Load Range

- L21/L22 = 7 load ranges from .35 - 4 lbs. per mount
- L44 = 7 load ratings from .25 - 10 lbs. per mount
- L64 = 7 load ratings from 2.0 - 40 lbs. per mount



Low-frequency, highly damped mounts for a high level of vibration isolation.



Barry L-Mounts increase equipment reliability and extend component life by providing isolation for frequencies as low as 10 Hertz and exhibiting low transmissibility at resonance (below 2.5) with .60" double amplitude vibratory input.

Applications

- Avionic equipment in propeller driven aircraft
- Sensitive instrumentation and medical equipment
- Stationary applications where cost effective, low frequency isolation is required

NATURAL FREQUENCY	7-10 Hertz
TRANSMISSIBILITY AT RESONANCE	2.5
RESILIENT ELEMENT	Friction damped spring
STANDARD MATERIALS	Aluminum
WEIGHT	L21 = .031 lbs. L22 = .031 lbs. L44 = .098 lbs. L64 = .226 lbs.

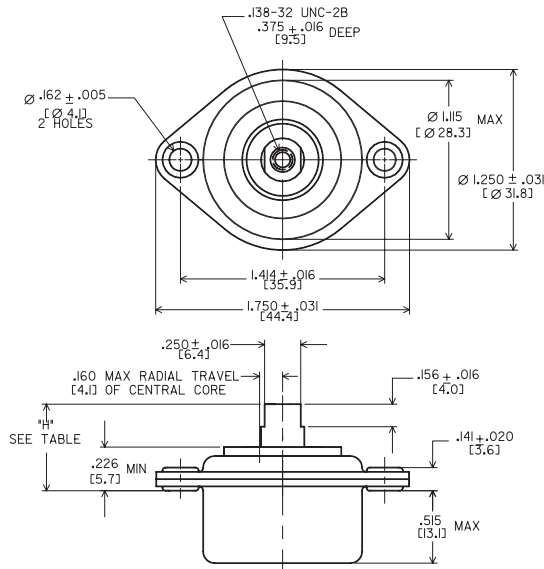
Environmental Data

- Operating temperature ranges of -67°F to +250°F (-55°C to +120°C).
- Meets vibration and shock requirements of MIL-C-172C.
- L44 and L64 isolators are known as "MS" (Military Standard) mounts and appear on QPL's.

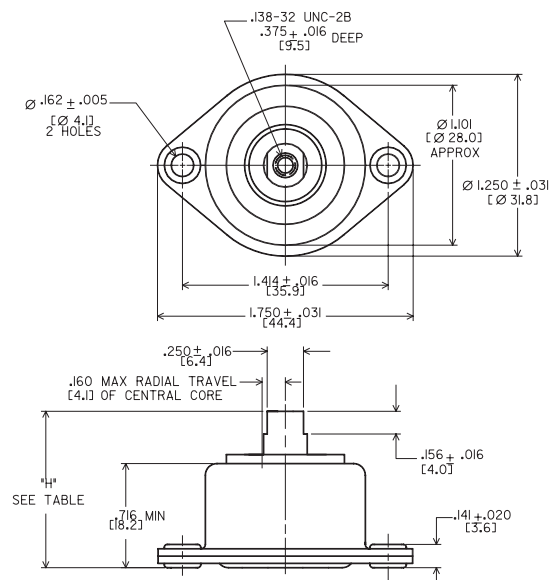
L Mount Series (L21/L22)

Dimensions & Performance Characteristics

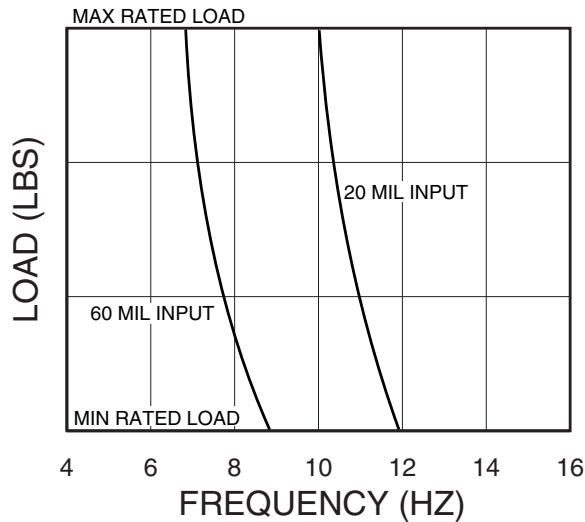
L21 Dimensional Drawing



L22 Dimensional Drawing



L21 & L22 Load vs. Natural Frequency



L21-BA MOUNT

HEIGHT OF ALUMINUM CORE (Inches) ("H")

Compressed .219 (min.)

Under min. load 0.50 (approx.)

Extended .703 (max.)

L22-BA MOUNT

HEIGHT OF ALUMINUM CORE (Inches) ("H")

Compressed .719 (min.)

Under min. load 1.00 (approx.)

Extended 1.172 (max.)



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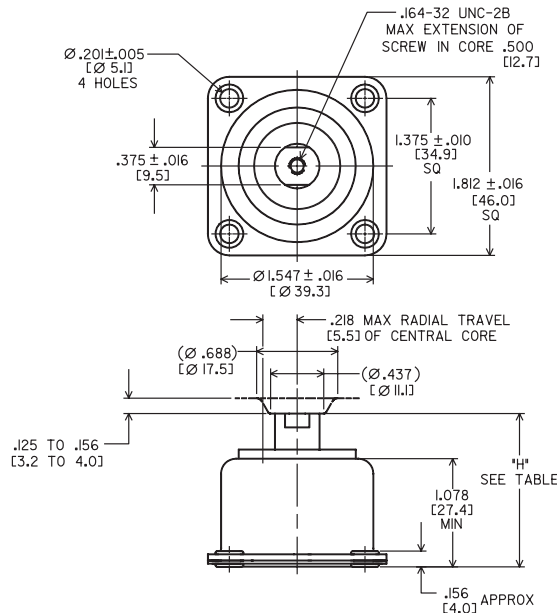
For technical, design, or application assistance, call toll free:

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L Mount Series (L44)

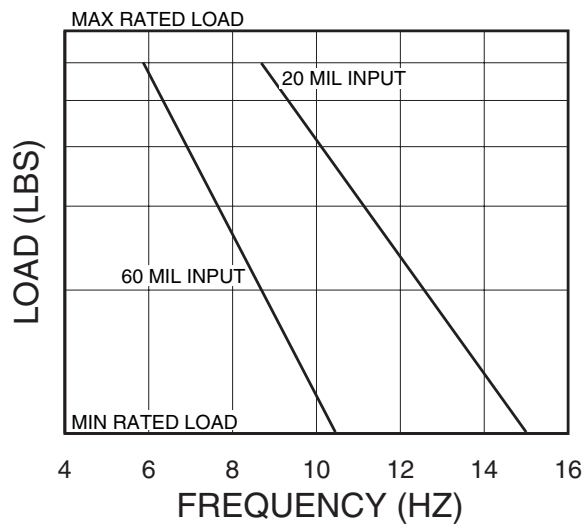
Dimensions & Performance Characteristics

L44 Dimensional Drawing



L44 MOUNT	L44-AA	L44-BA
HEIGHT OF ALUMINUM CORE (Inches) ("H")		
Compressed (min.)	.975	1.131
Under min. load (approx.)	1.375	1.562
Extended (max.)	1.632	1.788

L44 Load vs. Natural Frequency



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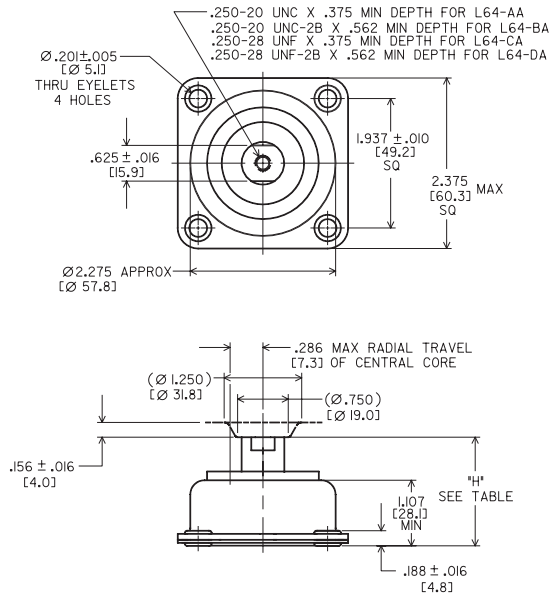
For technical, design, or application assistance, call toll free:

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L Mount Series (L64)

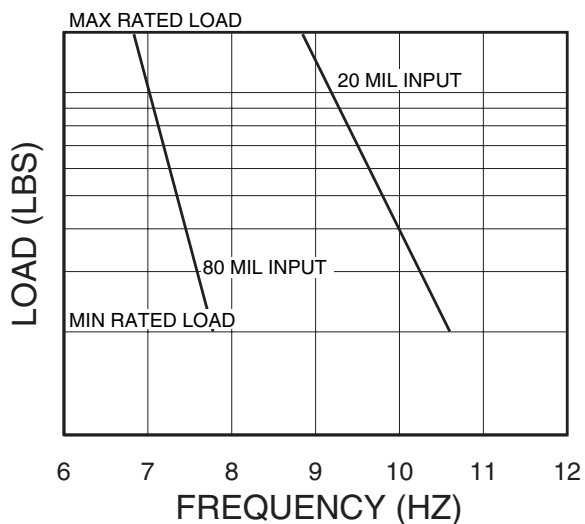
Dimensions & Performance Characteristics

L64 Dimensional Drawing



L64 MOUNT	L64-AA+CA	L64-BA+DA
HEIGHT OF ALUMINUM CORE (Inches) ("H")		
Compressed (min.)	.982	1.148
Under min. load (approx.)	1.406	1.562
Extended (max.)	1.540	1.706

L64 Load vs. Natural Frequency



L64 Series Mount



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L Mount Series (L21/L22/L44/L64)

Load Range & MS Specifications

LOAD RANGES (L21/L22/L44 SERIES)

Part #	Static Load/Isolator
L21 & L22-BA-0.5	0.38-0.54 lbs.
L21 & L22-BA-0.7	0.44-0.75 lbs.
L21 & L22-BA-1.0	0.56-1.00 lbs.
L21 & L22-BA-1.3	0.88-1.30 lbs.
L21 & L22-BA-2.0	1.20-2.00 lbs.
L21 & L22-BA-3.0	1.70-3.00 lbs.
L21 & L22-BA-4.0	2.50-4.00 lbs.
L44-AA-.5 & BA-.5	0.25-.50 lbs.
L44-AA-1 & BA-1	0.50-1.00 lbs.
L44-AA-2 & BA-2	1.0-2.0 lbs.
L44-AA-3 & BA-3	1.50-3.0 lbs.
L44-AA-4 & BA-4	2.0-4.0 lbs.
L44-AA-5 & BA-5	2.5-5.0 lbs.
L44-AA-10 & BA-10	5.0-10.0 lbs.
L64-AA-4, BA-4, CA-4 & DA-4	2.0-4.0 lbs.
L64-AA-6, BA-6, CA-6 & DA-6	3.0-6.0 lbs.
L64-AA-10, BA-10, CA-10 & DA-10	4.5-10.0 lbs.
L64-AA-12, BA-12, CA-12 & DA-12	6.25-12.5 lbs.
L64-AA-16, BA-16, CA-16 & DA-16	9.0-16.0 lbs.
L64-AA-20, BA-20, CA-20 & DA-20	10.0-20.0 lbs.
L64-AA-40, BA-40, CA-40 & DA-40	20.0-40.0 lbs.

L64 Series Load Range, "H" Dimension and MS Designation

**Military designation load ranges are tighter than Barry Standard*

Part #	*Load Range (lbs.)	*Military Designation	"H"
L64-AA-4	1.91-2.59	MS91418-2BAL	1.405
L64-BA-4	1.91-2.59	MS91418-2BAS	1.571
L64-CA-4	1.91-2.59	MS91418-2BAD	1.405
L64-DA-4	1.91-2.59	MS91418-2BAH	1.571
L64-AA-4	2.0-4.5	MS91418-2AAL	1.399
L64-BA-4	2.0-4.5	MS91418-2AAS	1.565
L64-CA-4	2.0-4.5	MS91527-2AAD	1.399
L64-DA-4	2.0-4.5	MS91527-2AAH	1.565
L64-AA-4	2.55-3.45	MS91418-2BBL	1.352
L64-BA-4	2.55-3.45	MS91418-2BBS	1.518
L64-CA-4	2.55-3.45	MS91527-2BBD	1.352
L64-DA-4	2.55-3.45	MS91527-2BBH	1.518
L64-AA-4	3.0-5.0	MS91418-2ABL	1.390
L64-BA-4	3.0-5.0	MS91418-2ABS	1.556
L64-CA-4	3.0-5.0	MS91527-2ABD	1.390
L64-DA-4	3.0-5.0	MS91527-2ABH	1.556
L64-AA-4	2.55-3.45	MS91418-2BBL	1.352
L64-BA-4	2.55-3.45	MS91418-2BBS	1.518
L64-CA-4	2.55-3.45	MS91527-2BBD	1.352
L64-DA-4	2.55-3.45	MS91527-2BBH	1.518
L64-AA-4	3.40-4.60	MS91418-2BCL	1.365
L64-BA-4	3.40-4.60	MS91418-2BCS	1.561
L64-CA-4	3.40-4.60	MS91527-2BCD	1.365
L64-DA-4	3.40-4.60	MS91527-2BCH	1.561
L64-AA-4	4.67-6.33	MS91418-2BDL	1.392
L64-BA-4	4.67-6.33	MS91418-2BDS	1.558
L64-CA-4	4.67-6.33	MS91527-2BDD	1.392
L64-DA-4	4.67-6.33	MS91527-2BDH	1.558
L64-AA-10	4.5-10.0	MS91418-2ACL	1.395
L64-BA-10	4.5-10.0	MS91418-2ACS	1.561
L64-CA-10	4.5-10.0	MS91527-2ACD	1.395
L64-DA-10	4.5-10.0	MS91527-2ACH	1.561
L64-AA-10	4.67-6.33	MS91418-2BDL	1.392
L64-BA-10	4.67-6.33	MS91418-2BDS	1.558
L64-CA-10	4.67-6.33	MS91527-2BDD	1.392
L64-DA-10	4.67-6.33	MS91527-2BDH	1.558
L64-AA-10	6.37-8.63	MS91418-2BEL	1.362
L64-BA-10	6.37-8.63	MS91418-2BES	1.528
L64-CA-10	6.37-8.63	MS91527-2BED	1.362
L64-DA-10	6.37-8.63	MS91527-2BEH	1.528
L64-AA-12	6.25-12.50	MS91418-2ADL	1.372
L64-BA-12	6.25-12.50	MS91418-2ADS	1.538
L64-CA-12	6.25-12.50	MS91527-2ADD	1.372
L64-DA-12	6.25-12.50	MS91527-2ADH	1.538
L64-AA-12	8.50-11.50	MS91418-2BFL	1.339
L64-BA-12	8.50-11.50	MS91418-2BFS	1.505
L64-CA-12	8.50-11.50	MS91527-2BFD	1.339
L64-DA-12	8.50-11.50	MS91527-2BFH	1.505
L64-AA-16	9.0-16.0		1.323
L64-BA-16	9.0-16.0		1.489
L64-CA-16	9.0-16.0		1.323
L64-DA-16	9.0-16.0		1.489
L64-AA-20	10.0-20.0	MS91418-2AEL	1.391
L64-BA-20	10.0-20.0	MS91418-2AES	1.557
L64-CA-20	10.0-20.0	MS91527-2AED	1.391
L64-DA-20	10.0-20.0	MS91527-2AEH	1.557
L64-AA-20	11.48-15.53	MS91418-2BGL	1.366
L64-BA-20	11.48-15.53	MS91418-2BGS	1.532
L64-CA-20	11.48-15.53	MS91527-2BGD	1.366
L64-DA-20	11.48-15.53	MS91527-2BGH	1.532
L64-BA-20	15.30-20.70	MS91418-2BHL	1.406
L64-DA-20	15.30-20.70	MS91527-2BHD	1.406
L64-AA-40	20.0-40.0		1.400
L64-BA-40	20.0-40.0		1.566
L64-CA-40	20.0-40.0		1.400
L64-DA-40	20.0-40.0		1.400

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L-Mount Series (L21/L22/L44/L64)

Load Ranges & MS Designations

Load Range In Pounds	Military* Designation	Barry Type No.	Weight ounces	H dimension (to flange - 0.45")		
				Under Min rated load	Maximum extended†	Minimum compressed‡
0.25 - 0.50	See Note	L44-AA-1/2	1 3/4	1.371	1.632	0.975
0.25 - 0.50	See Note	L44-BA-1/2	1 1/2	1.527	1.788	1.131
0.17 - 0.23	MS91418-1BAL MS91527-1BAD	L44-CA-1/2	1 3/4	1.395	1.594	0.937
0.17 - 0.23	MS91418-1BAS MS91527-1BAH	L44-BA-1/2	1 1/2	1.589	1.788	1.131
0.25 - 0.35	MS91418-1BBL MS91527-1BBD	L44-AA-1/2	1 3/4	1.392	1.632	0.975
0.25 - 0.35	MS91418-1BBS MS91527-1BBH	L44-BA-1/2	1 1/2	1.562	1.788	1.131
0.34 - 0.46	MS91418-1BCL MS91527-1BCD	L44-AA-1/2	1 3/4	1.347	1.632	0.975
0.34 - 0.46	MS91418-1BCS MS91527-1BCH	L44-BA-1/2	1 1/2	1.520	1.788	1.131
0.50 - 1.00	See Note	L44-AA-1	1 3/4	1.389	1.632	0.975
0.50 - 1.00	See Note	L44-BA-1	1 1/2	1.545	1.788	1.131
0.51 - 0.69	MS91418-1BDL MS91527-1BDD	L44-AA-1	1 3/4	1.395	1.632	0.975
0.51 - 0.69	MS91418-1BDS MS91527-1BDH	L44-BA-1	1 1/2	1.562	1.788	1.131
0.68 - 0.92	MS91418-1BEL MS91527-1BED	L44-AA-1	1 3/4	1.352	1.632	0.975
0.68 - 0.92	MS91418-1BES MS91527-1BEH	L44-BA-1	1 1/2	1.526	1.788	1.131
0.85 - 1.15	MS91418-1BFL MS91527-1BFD	L44-AA-1	1 3/4	1.342	1.632	0.975
0.85 - 1.15	MS91418-1BFS MS91527-1BFH	L44-BA-1	1 1/2	1.501	1.788	1.131
1.00 - 2.00	See Note	L44-AA-2	1 3/4	1.404	1.632	0.975
1.00 - 2.00	See Note	L44-BA-2	1 1/2	1.566	1.788	1.131
1.16 - 1.58	MS91418-1BGL MS91527-1BGD	L44-AA-2	1 3/4	1.376	1.632	0.975
1.16 - 1.58	MS91418-1BGS MS91527-1BGH	L44-BA-2	1 1/2	1.562	1.788	1.131
1.48 - 2.01	MS91418-1BHL MS91527-1BHD	L44-AA-2	1 3/4	1.335	1.632	0.975
1.48 - 2.01	MS91418-1BHS MS91527-1BHH	L44-BA-2	1 1/2	1.525	1.788	1.131
1.50 - 3.00	See Note	L44-AA-3	1 1/2	1.404	1.632	0.975
1.50 - 3.00	See Note	L44-BA-3	1 3/4	1.566	1.788	1.131
1.50 - 3.00	MS91418-1AAL MS91527-1AAD	L44-AA-3	1 1/2	1.404	1.632	0.975
1.50 - 3.00	MS91418-1AAS MS91527-1AAH	L44-BA-3	1 3/4	1.562	1.788	1.131
2.01 - 2.73	MS91418-1BJL MS91527-1BJD	L44-AA-3	1 1/2	1.346	1.632	0.975
2.01 - 2.73	MS91418-1BJS MS91527-1BJH	L44-BA-3	1 3/4	1.562	1.788	1.131
2.00 - 4.00	See Note	L44-AA-4	1 1/2	1.401	1.632	0.975
2.00 - 4.00	See Note	L44-BA-4	1 3/4	1.557	1.788	1.131
2.76 - 3.73	MS91418-1BKL MS91527-1BKD	L44-AA-4	1 1/2	1.349	1.632	0.975
2.76 - 3.73	MS91418-1BKS MS91527-1BKH	L44-BA-4	1 3/4	1.524	1.788	1.131
2.50 - 5.00	See Note	L44-AA-5	1 1/2	1.393	1.632	0.975
2.50 - 5.00	See Note	L44-BA-5	1 3/4	1.549	1.788	1.131
2.50 - 5.50	MS91418-1ABL MS91527-1ABD	L44-AA-5	1 1/2	1.393	1.632	0.975
2.50 - 5.50	MS91418-1ABS MS91527-1ABH	L44-BA-5	1 3/4	1.562	1.788	1.131
3.61 - 4.89	MS91418-1BLI MS91527-1BLD	L44-AA-5	1 1/2	1.338	1.632	0.975
3.61 - 4.89	MS91418-1BLS MS91527-1BLH	L44-BA-5	1 3/4	1.523	1.788	1.131
5.00 - 10.00	See Note	L44-AA-10	1 1/2	1.395	1.632	0.975
5.00 - 10.00	See Note	L44-BA-10	1 3/4	1.551	1.788	1.131
4.89 - 6.61	MS91418-1BML MS91527-1BMD	L44-AA-10	1 1/2	1.399	1.632	0.975
4.89 - 6.61	MS91418-1BMS MS91527-1BMH	L44-BA-10	1 3/4	1.562	1.788	1.131
6.58 - 8.91	MS91418-1BNL MS91527-1BND	L44-AA-10	1 1/2	1.379	1.632	0.975
6.58 - 8.91	MS91418-1BNS MS91527-1BNH	L44-BA-10	1 3/4	1.535	1.788	1.131
8.50 - 11.50	MS91418-1BOL MS91527-1BOD	L44-AA-10	1 1/2	1.343	1.632	0.975
8.50 - 11.50	MS91418-1BOS MS91527-1BOH	L44-BA-10	1 3/4	1.501	1.788	1.131

NOTE: All standard L44 Barrymounts have a 2-to-1 load range to meet performance requirements of Spec. MIL-C-172C and are designated -AA and -BA in table above. Other designations listed above are designed to meet Class B requirements of Spec. MIL-C-172C for specified load rating ($\pm 15\%$).

† Parts will not be stamped with military designation unless specifically requested.

‡ Under 15-times maximum rated load.

H-MOUNT SERIES (H44/H64)

Features

- Axial to radial stiffness ratio of 4:1
- Friction damped spring
- For base mounting only
- Fail safe construction

Benefits

- Ideally suited for protecting equipment in helicopters or similar environments where high-amplitude, low frequency vibration is predominant
- Increased equipment reliability and extended component life

Load Range

- H44 = 7 ratings from .25-10 lbs. per mount
- H64 = 7 load ratings from 2.0-40 lbs. per mount

Low-frequency, friction damped mounts for high level vibration isolation and shock protection in rotary wing aircraft.



Barry H-Mounts are ideally suited for protecting equipment in helicopters or similar environments where high amplitude, low frequency vibration is predominant.

Applications

- Avionic equipment in propeller driven aircraft
- Equipment in environments where high amplitude, low frequency vibration is present

NATURAL FREQUENCY	7-10 Hertz
TRANSMISSIBILITY AT RESONANCE	2.0 Max.
RESILIENT ELEMENT	Friction damped spring
STANDARD MATERIALS	Aluminum
WEIGHT	H44 = 1.63 oz. H64 = 3.56 oz.

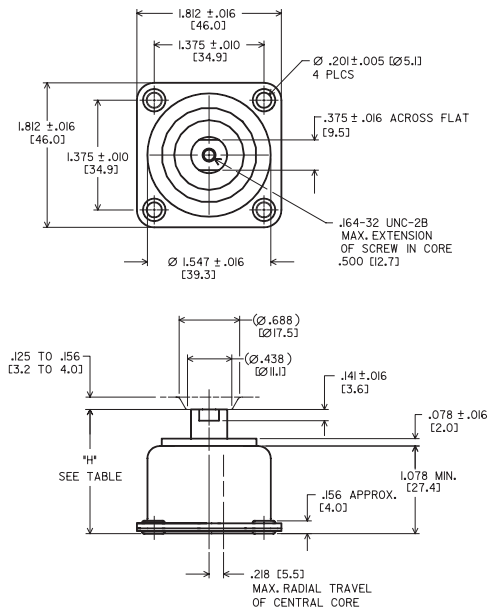
Environmental Data

- Operating temperature ranges of -67°F to +250°F (-55°C to +120°C).
- Designed for the rotary wing vibration requirements of MIL-STD-810B.
- Performs in attitudes up to 10° from horizontal.
- Meets vibration and shock requirements of Mil-C-172C.

H-Mount Series (H44)

Dimensions & Performance Characteristics

H44 Dimensional Drawing



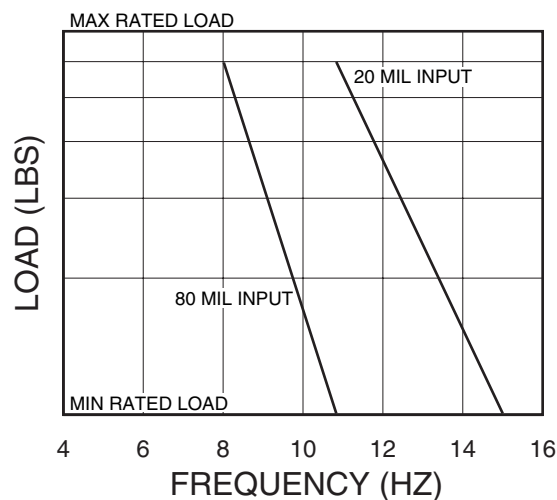
"H"

TYPE	H44-AA	H44-BA
MIN. COMPRESSED	.98 [24.9]	1.13 [28.7]
APPROX. UNDER MIN. LOAD	1.40 [35.6]	1.56 [39.6]
MAX. EXTENDED	1.63 [41.4]	1.79 [45.5]

LOAD RANGES

Part #	Static Load Range (lbs.)
H44-AA-1/2 & BA-1/2	0.25 - 0.5
H44-AA-1 & BA-1	0.5 - 1.0
H44-AA-2 & BA-2	1.0 - 2.0
H44-AA-3 & BA-3	1.5 - 3.0
H44-AA-4 & BA-4	2.0 - 4.0
H44-AA-6 & BA-6	4.0 - 6.0
H44-AA-10 & BA-10	5.0 - 10.0

H44 Load vs Natural Frequency



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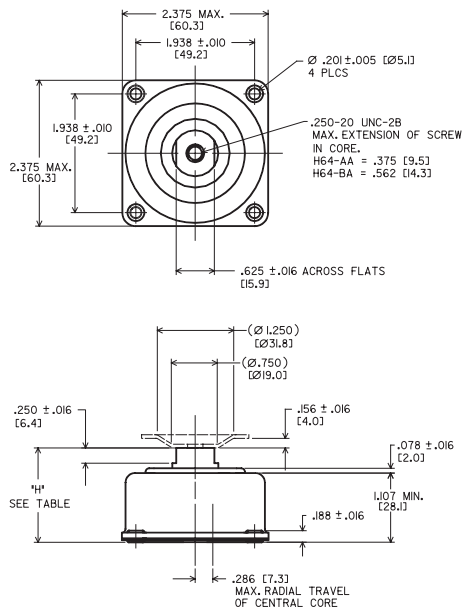
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H-Mount Series (H64)

Dimensions & Performance Characteristics

H64 Dimensional Drawing

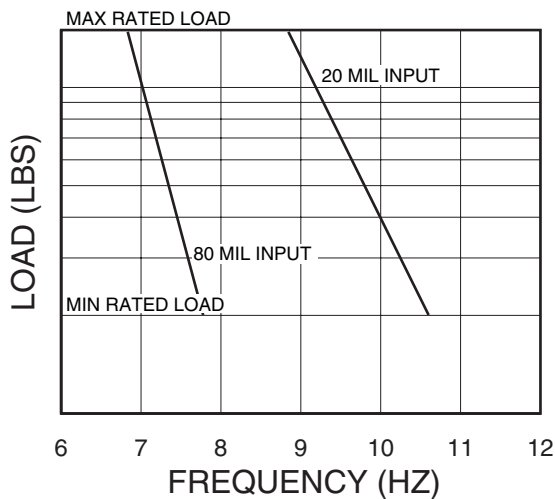


"H"		
TYPE	H64-AA	H64-BA
MIN. COMPRESSED	.98 [24.9]	1.14 [29.0]
APPROX. UNDER MIN. LOAD	1.41 [35.8]	1.57 [39.9]
MAX. EXTENDED	1.54 [39.1]	1.70 [43.2]

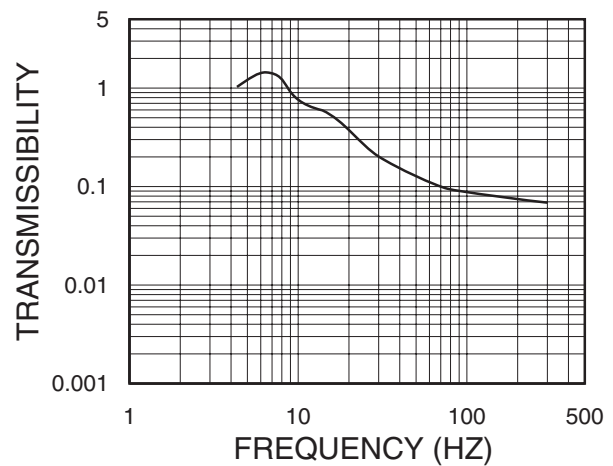
LOAD RANGES

Part #	Static Load Range (lbs.)
H64-AA-4 & BA-4	2-4
H64-AA-6 & BA-6	3-6
H64-AA-10 & BA-10	5-10
H64-AA-15 & BA-15	9-15
H64-AA-20 & BA-20	14-20
H64-AA-30 & BA-30	18-30
H64-AA-40 & BA-40	25-40

H64 Load vs Natural Frequency



Typical Transmissibility (H44 & H64 Series)



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T-MOUNT SERIES (T22/T44/T64/T94)

Features

- Fail safe, all-attitude isolators
- Meets crash safety requirements of MIL-E-5400 (30g 11 millisecond half-sine pulse shock)
- Axial to radial stiffness of 1:1
- Isolates under sustained loadings of up to 5g's

Benefits

- Provides efficient vibration isolation at frequencies above 40 hertz
- Increased equipment reliability and extended component life

Load Range

- T22 = 4 ratings to 5 lbs. per mount
- T44 = 3 ratings to 20 lbs. per mount
- T64 = 3 ratings to 80 lbs. per mount
- T94 = 2 ratings to 150 lbs. per mount



General purpose, all-attitude isolators for mounting aircraft, shipboard or vehicular equipment.



Barry T-Mounts are general purpose isolators for mounting aircraft, shipboard or vehicular equipment in any attitude. They are ideally suited for applications requiring high frequency vibration isolation with low resonant amplification.

Applications

- Shipboard electronics
- Missile electronics
- Racking systems
- Aircraft & mobile applications
- Avionics & electronics

NATURAL FREQUENCY	15-40 Hertz
TRANSMISSIBILITY AT RESONANCE	4.0 Max.
RESILIENT ELEMENT	Hi-Damp Silicone
STANDARD MATERIALS	Varies with model
WEIGHT	T22 = 1.1 oz. T44 = 2.8 oz. T64 = 5.3 oz. T94 = 14.2 oz.

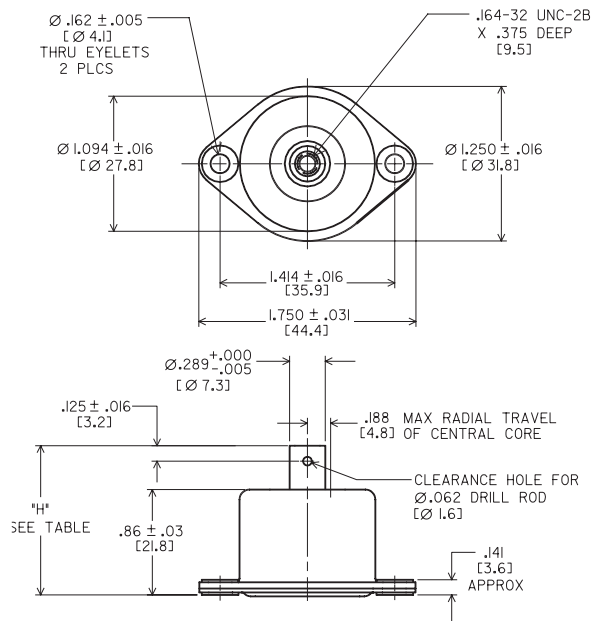
Environmental Data

- Hi-Damp Silicone exceeds the temperature requirements of MIL-E-5400 (-67°F to +300°F or -55°C to +150°C) operational and (-100°F to +300°F or -75°C to +150°C) storage.
- Meets MIL-E-5400 requirements for resistance to ozone, humidity, salt spray and fungus.
- Meets MIL-S-901 lightweight Grade B Navy high impact shock test requirements.

T-Mount Series (T22)

Dimensions & Performance Characteristics

T22 Dimensional Drawing



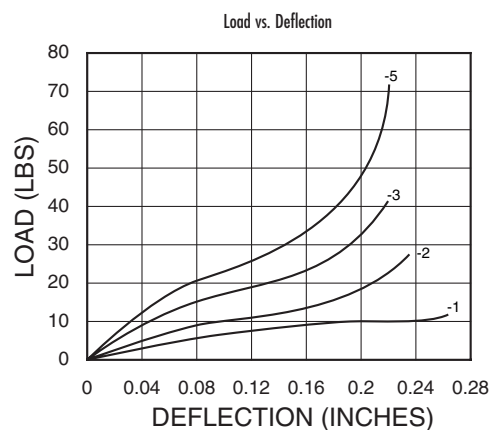
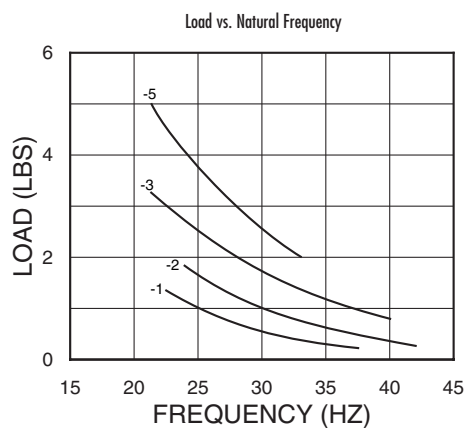
T22 SERIES "H" DIMENSION

Compressed	.91
Approx. Free	1.22
Max. Extended	1.56

T22 SERIES LOAD RANGE DATA

Part #	Max. Load/Isolator
T22-AB-1	1 lb.
T22-AB-2	2 lbs.
T22-AB-3	3 lbs.
T22-AB-5	5 lbs.

T22 Performance Data



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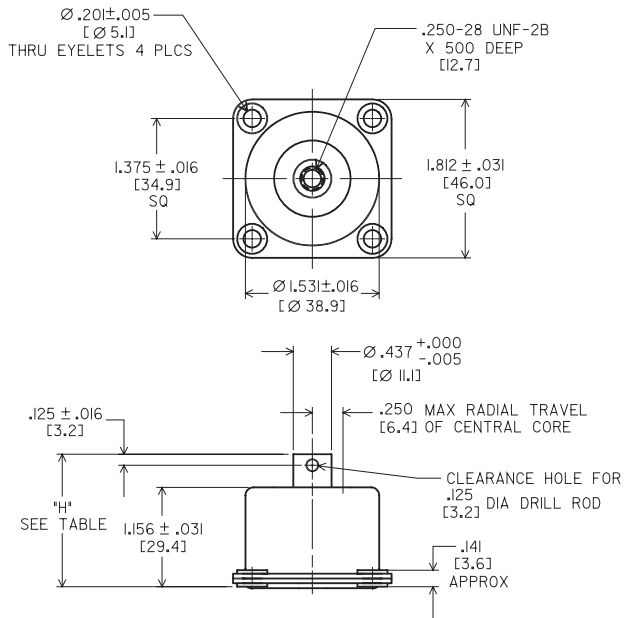
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T-Mount Series (T44)

Dimensions & Performance Characteristics

T44 Dimensional Drawing



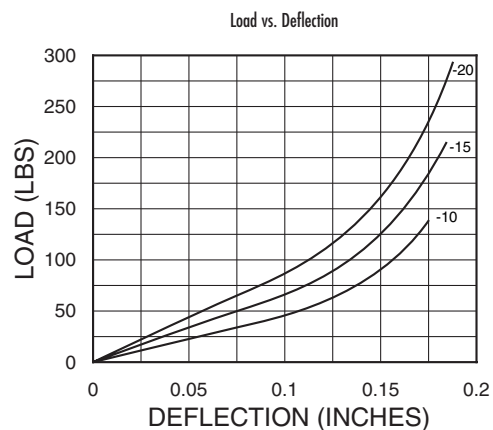
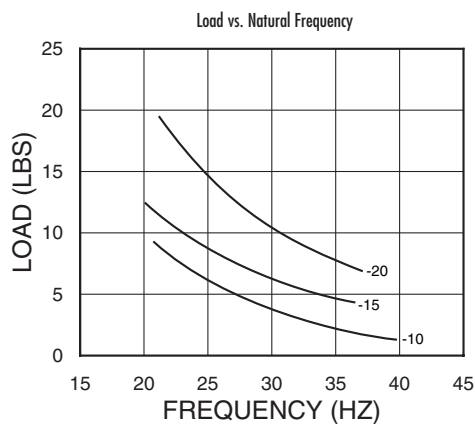
T44 SERIES "H" DIMENSION

Compressed	1.19
Approx. Free	1.50
Max. Extended	1.88

T44 SERIES LOAD RANGE DATA

Part #	Max. Load/Isolator
T44-AB-10	10 lbs.
T44-AB-15	15 lbs.
T44-AB-20	20 lbs.

T44 Performance Data



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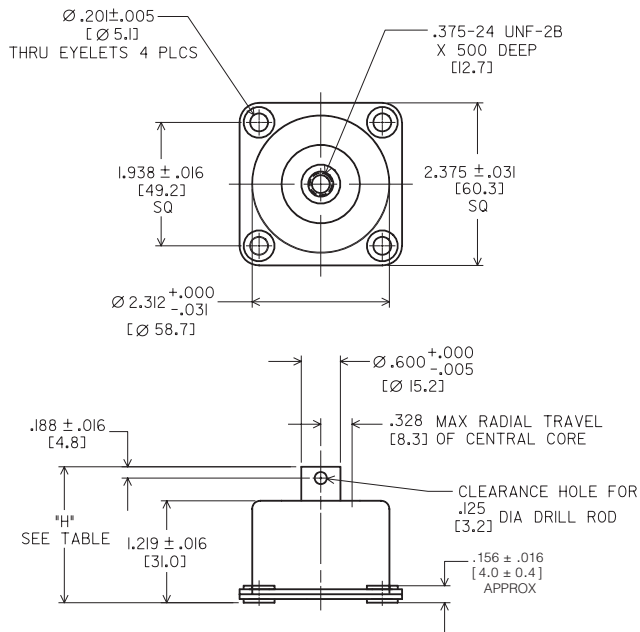
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T-Mount Series (T64)

Dimensions & Performance Characteristics

T64 Dimensional Drawing



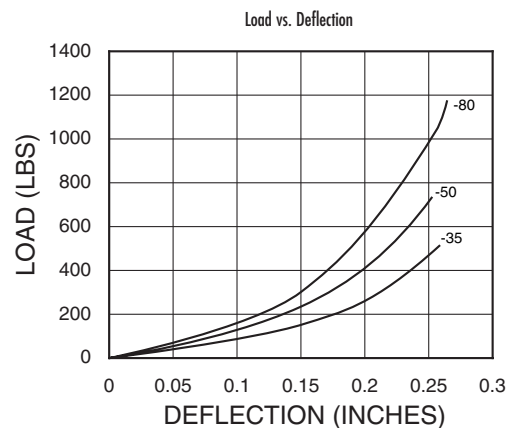
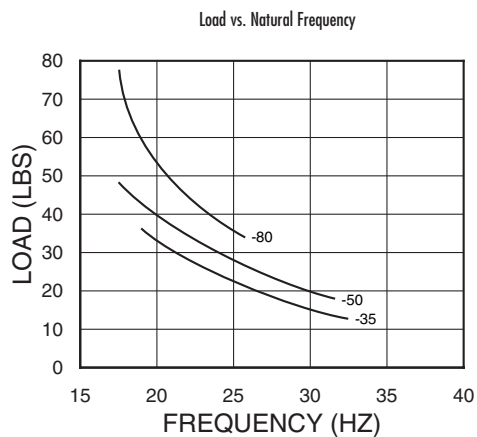
T64 SERIES "H" DIMENSION

Compressed	1.25
Approx. Free	1.62
Max. Extended	1.94

T64 SERIES LOAD RANGE DATA

Part #	Max. Load/Isolator
T64-AB-35	35 lbs.
T64-AB-50	50 lbs.
T64-AB-80	80 lbs.

T64 Performance Data



Dimensions and data are subject to change without notice.

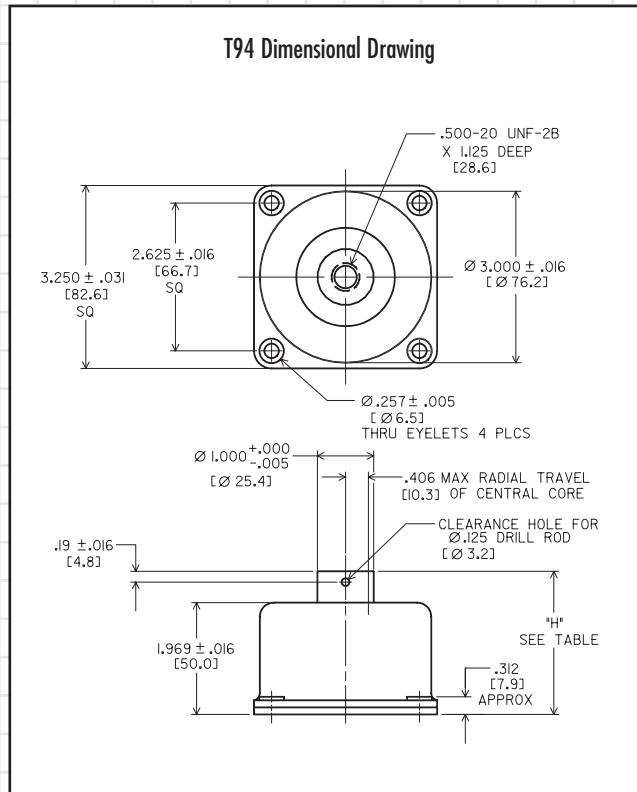
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T-Mount Series (T94)

Dimensions & Performance Characteristics



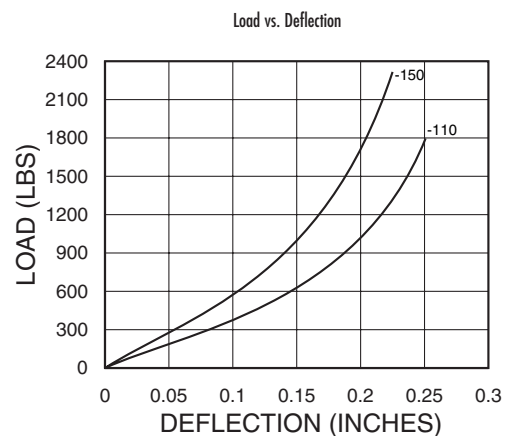
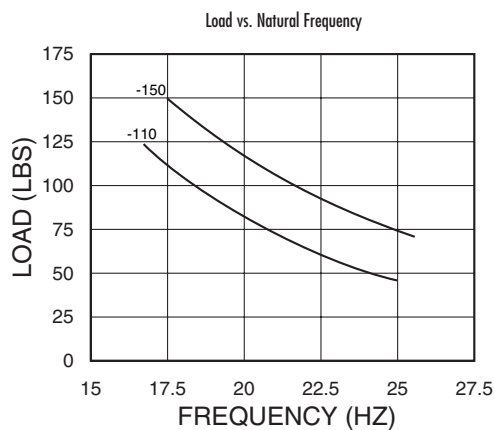
T94 SERIES "H" DIMENSION

Compressed	2.13
Approx. Free	2.54
Max. Extended	3.06

T94 SERIES LOAD RANGE DATA

Part #	Max. Load/Isolator
T94-AB-110	110 lbs.
T94-AB-150	150 lbs.

T94 Performance Data



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B-MOUNT SERIES (B22/B44/B64/B43)

Features

- Low resonant transmissibility
- Metal spring with friction damping
- All-attitude mounting
- Aluminum or stainless steel outer cup and core
- Fail safe construction
- Axial to radial stiffness of 1:1

Benefits

- Continuous isolation even under loads of up to 5g's
- Interchangeable with MIL size counterparts

Load Range

- B21/22 = 4 ratings to 3 lbs. per mount
- B43/44 = 5 ratings to 10 lbs. per mount
- B64 = 4 ratings to 40 lbs. per mount



All-attitude, highly damped mounts for protection of equipment from vibration, shock during steady-state acceleration.



Barry B-Mounts provide shock and vibration isolation for avionic equipment in high performance aircraft. They feature low resonant transmissibility and isolate high frequency vibration without snubbing during high "g" maneuvers.

Applications

- Avionics in high performance aircraft
- Electronics in transportable shelters
- Mobile ground equipment

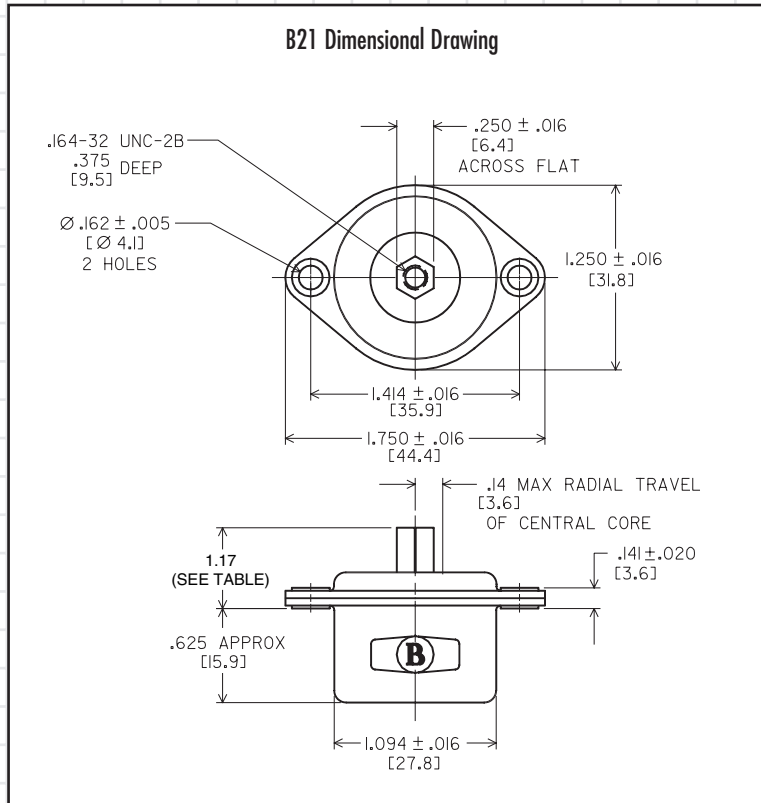
NATURAL FREQUENCY	15-30 Hertz
TRANSMISSIBILITY AT RESONANCE	3.0 Max.
RESILIENT ELEMENT	Friction damped spring
STANDARD MATERIALS	Varies w/model
WEIGHT	See Tables

Environmental Data

- Operating temperature range -85°F to +250°F (-65°C to +120°C).
- Meets strength, corrosion resistance and environmental requirements of MIL-E-5272, MIL-E-5400 and MIL-STD-810.

B-Mount Series (B21)

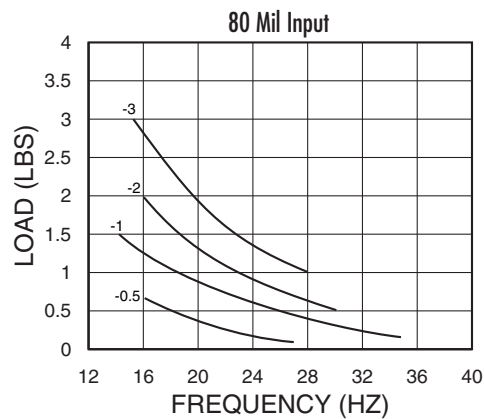
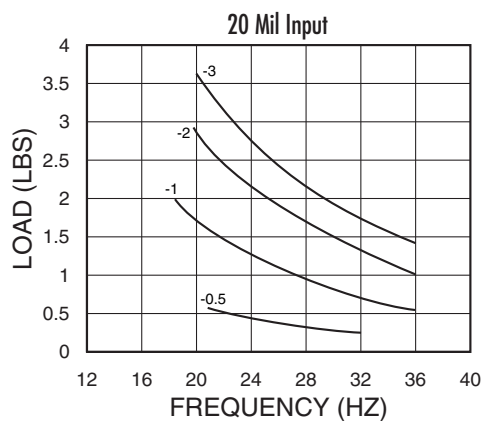
Dimensions & Performance Characteristics



B21 SERIES "H" DIMENSION

Compressed	.266
Approx. Free	.547
Max. Extended	.813

B21 Load vs. Natural Frequency



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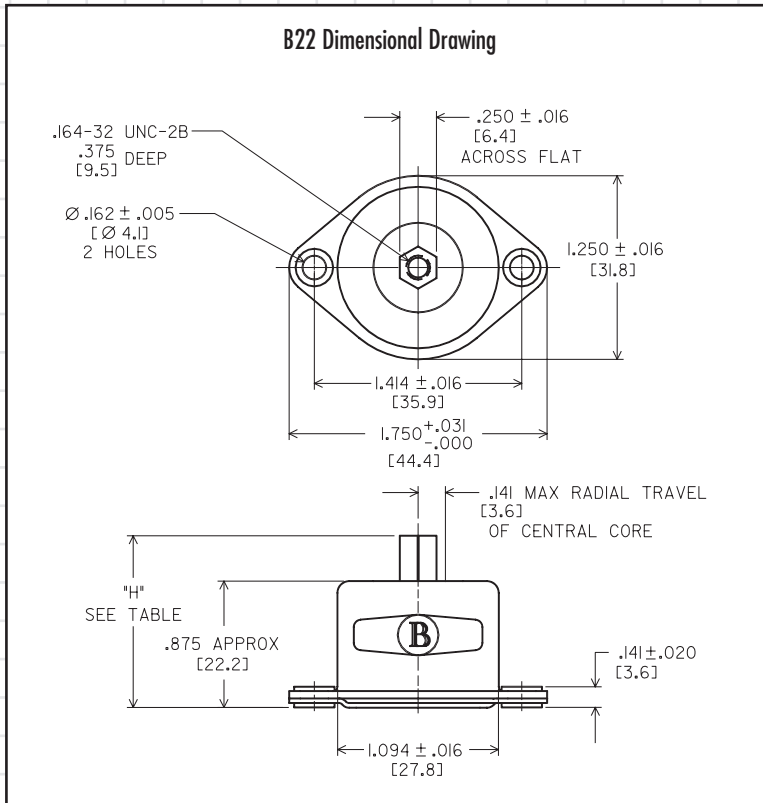
Dimensions and data are subject to change without notice.

For technical, design, or application assistance, call toll free:

1-800-BARRY MA

B-Mount Series (B22)

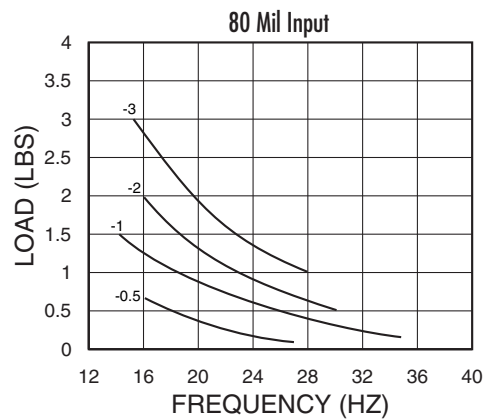
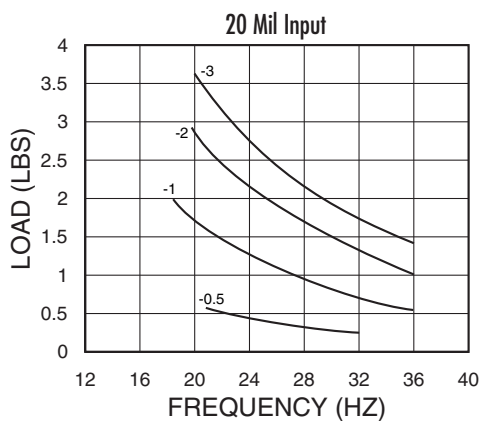
Dimensions & Performance Characteristics



B22 SERIES "H" DIMENSION

Compressed	.891
Approx. Free	1.172
Max. Extended	1.438

B22 Load vs. Natural Frequency



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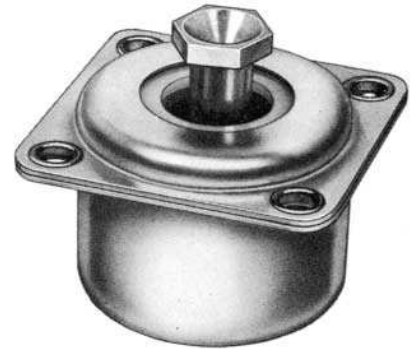
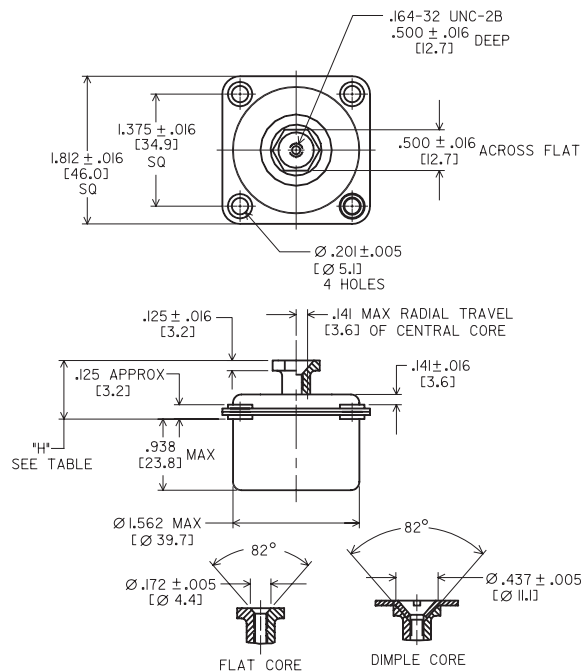
For technical, design, or application assistance, call toll free:

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B-Mount Series (B43)

Dimensions & Performance Characteristics

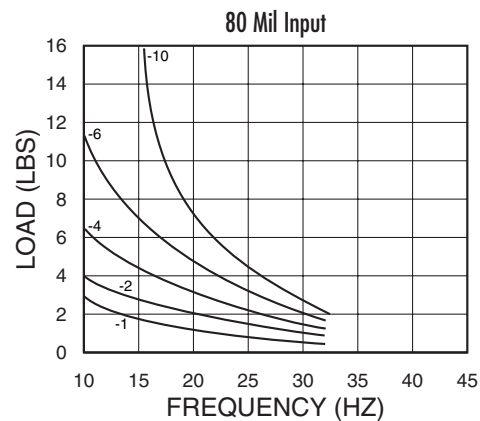
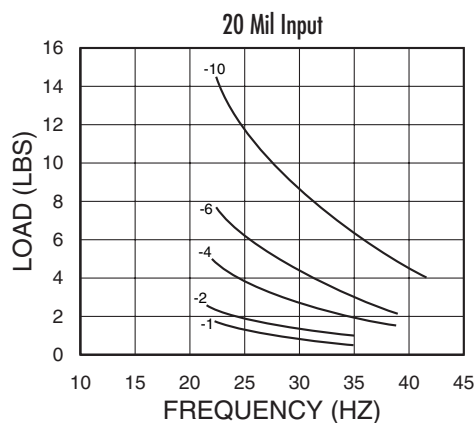
B43 Dimensional Drawing



B43 SERIES "H" DIMENSION

Compressed	.344
Approx. Free	.672
Max. Extended	.953

B43 Load vs. Natural Frequency



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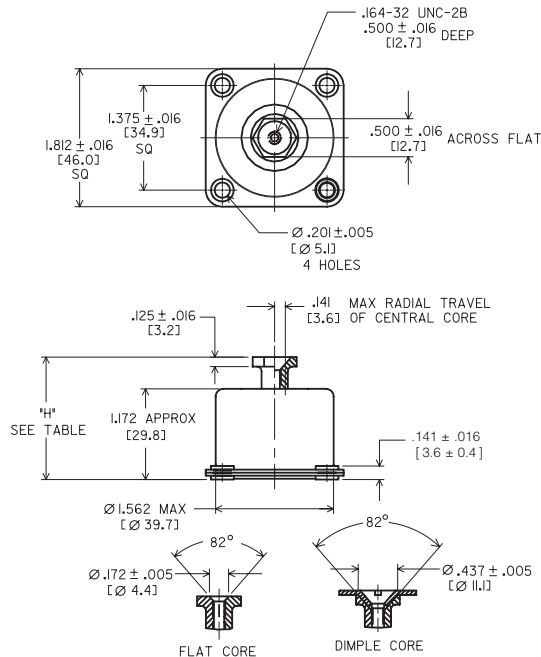
For technical, design, or application assistance, call toll free:

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B-Mount Series (B44)

Dimensions & Performance Characteristics

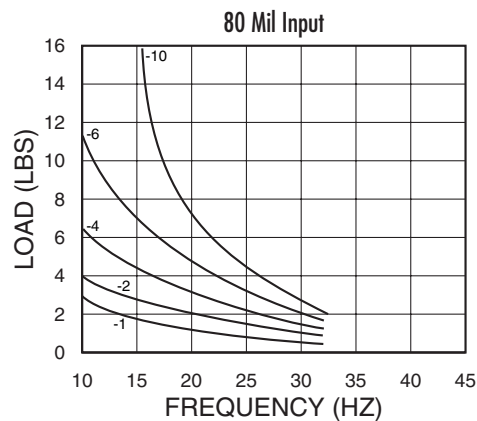
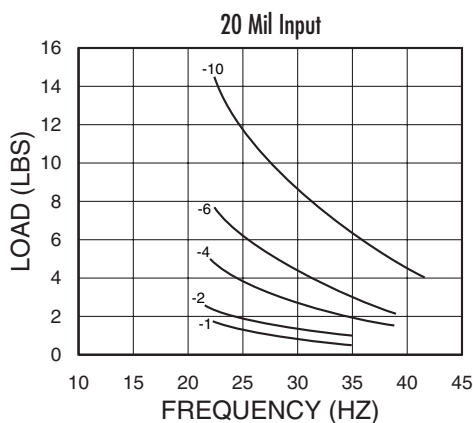
B44 Dimensional Drawing



B44 SERIES "H" DIMENSION

Compressed	1.328
Approx. Free	1.578
Max. Extended	1.858

B44 Load vs. Natural Frequency



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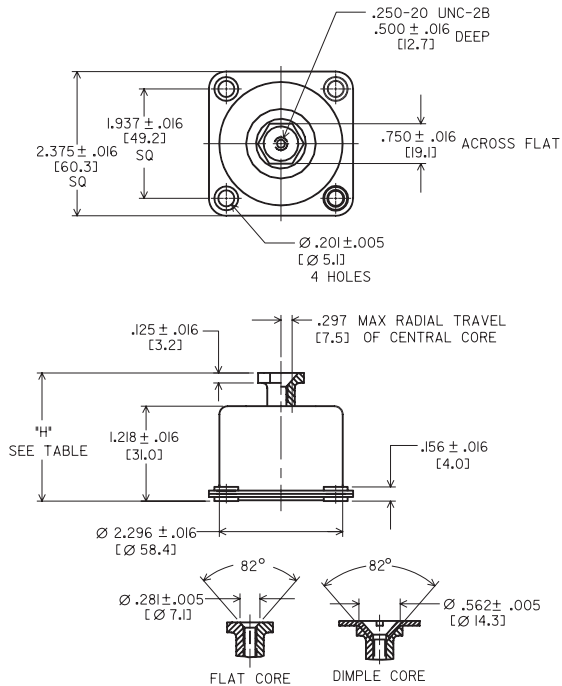
For technical, design, or application assistance, call toll free:

1-800-BARRY MA

B-Mount Series (B64)

Dimensions & Performance Characteristics

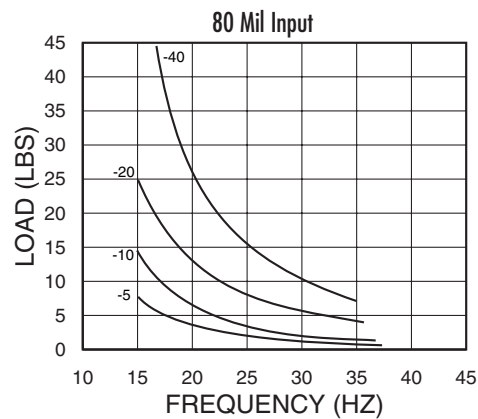
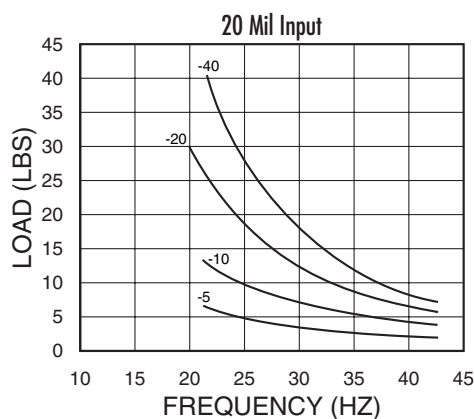
B64 Dimensional Drawing



B64 SERIES "H" DIMENSION

Compressed	1.312
Approx. Free	1.531
Max. Extended	1.828

B64 Load vs. Natural Frequency



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Dimensions and data are subject to change without notice.

For technical, design, or application assistance, call toll free:

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B-Mount Series

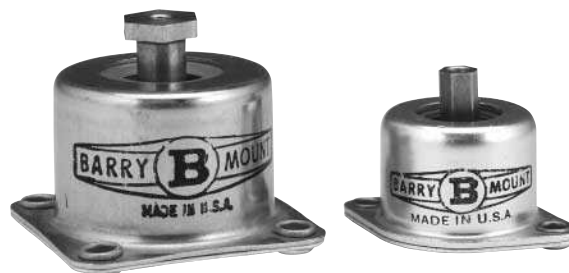
Load Range (B-Series) & “H” Dimensions

CUP TYPE					
Flat Core	Dimple Core	Height	Max. S.A Def.	Weight	Max. Static Load
B22-BC-0.5 B22-BC-1.0 B22-BC-2.0 B22-BC-3.0	Not Available	1.17"	.25"	.05 lbs.	0.5 lbs. 1.0 lbs. 2.0 lbs. 3.0 lbs.
B44-EB-1 B44-EB-2 B44-EB-4 B44-CB-6 B44-CB-10	B44-DB-1 B44-DB-2 B44-DB-4 B44-BB-6 B44-BB-10	1.58"	.25"	.16 lbs.	1.0 lbs. 2.0 lbs. 4.0 lbs. 6.0 lbs. 10.0 lbs.
B64-CB-5 B64-CB-10 B64-CB-20 B64-CB-40	B64-BB-5 B64-BB-10 B64-BB-20 B64-BB-40	1.53"	.25"	.44 lbs.	5.0 lbs. 10.0 lbs. 20.0 lbs. 40.0 lbs.
PLATE TYPE					
B21-BC-0.5 B21-BC-1.0 B21-BC-2.0 B21-BC-3.0	Not Available	.55"	.25"	.05 lbs.	0.5 lbs. 1.0 lbs. 2.0 lbs. 3.0 lbs.
B43-EB-1 B43-EB-2 B43-EB-4 B43-CB-6 B43-CB-10	B43-DB-1 B43-DB-2 B43-DB-4 B43-DB-6 B43-DB-10	.67"	.25"	.16 lbs.	1.0 lbs. 2.0 lbs. 4.0 lbs. 6.0 lbs. 10.0 lbs.

Dimensions and data are subject to change without notice.

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High Deflection Mounts



- ME Mount Series (ME-100/ME-500)
- TT-A Mount Series
- TT-B Mount Series
- HTTA Mount Series
- VHC Mount Series
- 2K Mount Series (2K1/2K2/2KS)
- GB530 Isolators
- Barry-Flex Isolators

ME-MOUNT SERIES (ME100/ME500)

Features

- Compact, low-profile design
- Available in two sizes
- High deflection capability and compact size for light loads
- Axial to radial stiffness ratio 2:1

Benefits

- Can be used in tandem for extended deflection capability

Load Range

- ME-100 = 5 load ratings to 10 lbs. per mount
- ME-500 = 5 load ratings to 10 lbs. per mount

An effective isolation solution for installations where instrumentation is subjected to rugged environmental conditions.



ME Series Mounts are low frequency, free standing isolators which are environmentally resistant and operate over a wide temperature range. They are for use in isolating delicate instrumentation in mobile, military or office equipment applications.

Applications

- Militarized computer installations (such as disk drives)
- Vehicular mounted equipment
- Avionics
- Lightweight electrical equipment

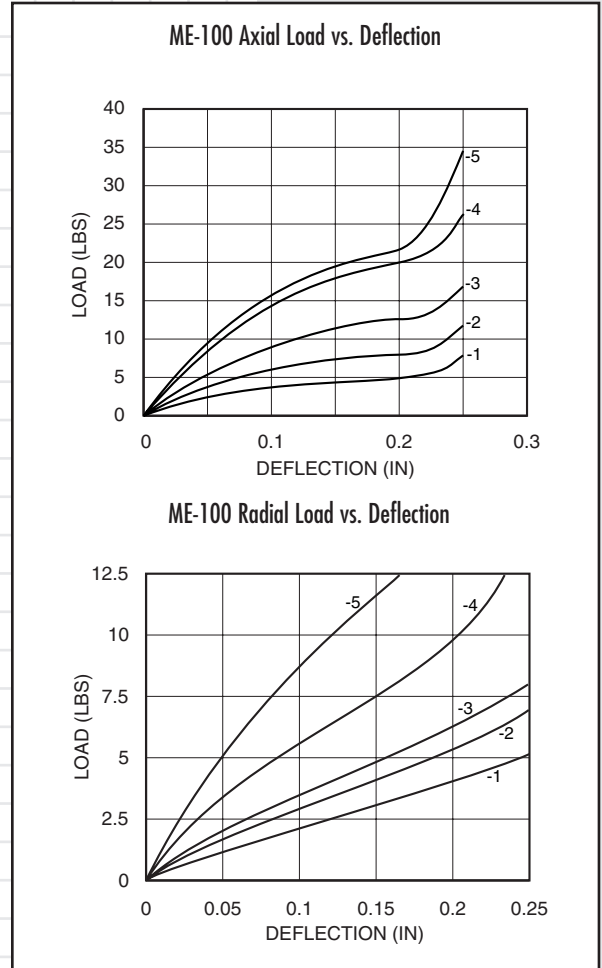
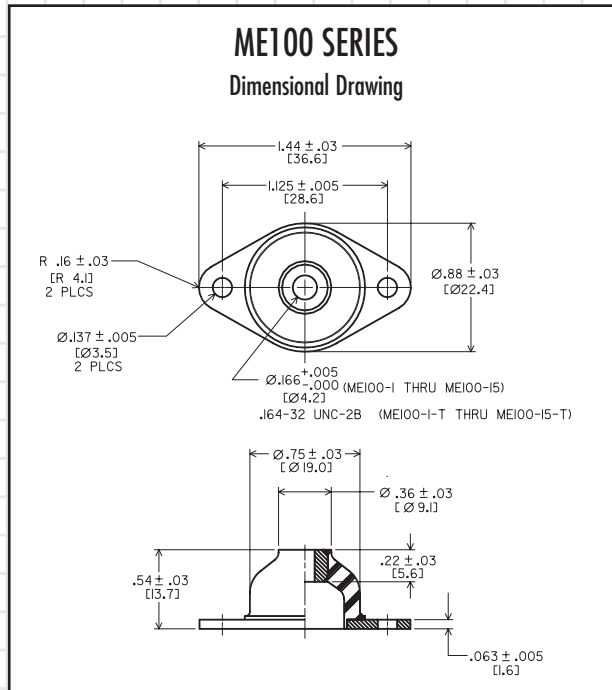
NATURAL FREQUENCY	12-20 Hertz
TRANSMISSIBILITY AT RESONANCE	10 Max.
RESILIENT ELEMENT	Neoprene
STANDARD MATERIALS	Aluminum
WEIGHT	ME-100 = 0.2 oz. ME-500 = 0.5 oz.

Environmental Data

- Operating temperature range is -20°F to +180°F (-30°C to +82°C).
- Resistant to oil, most solvents and ozone.
- Butyl and Barry LT available on special order where high damping and extended temperature performance characteristics are required.

ME100 Mount Series

Dimensions & Load Range Specifications



ME100 SERIES LOAD RATINGS				
Part #	Maximum Load (lbs.)		Axial Natural Frequency	Color Code
	Axial Compression	Radial		
ME100-1	2.50	1.40	14 Hz	Blue
ME100-2	3.75	1.90	14 Hz	Red
ME100-3	4.25	2.75	16 Hz	Green
ME100-4	6.50	3.75	16 Hz	Yellow
ME100-5	10.00	6.25	16 Hz	White



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Dimensions and data are subject to change without notice.

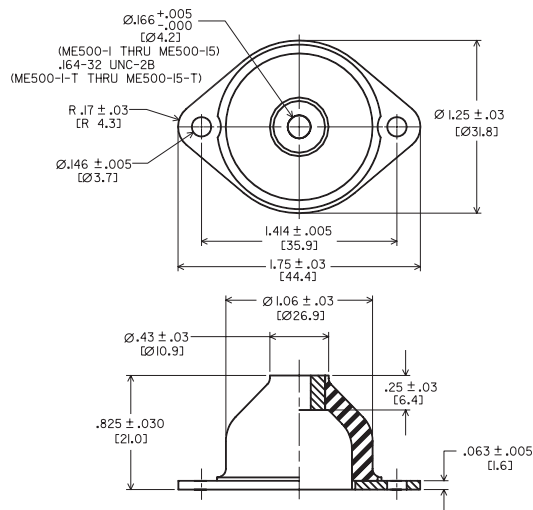
For technical, design, or application assistance, call toll free:

1-800-BARRY MA

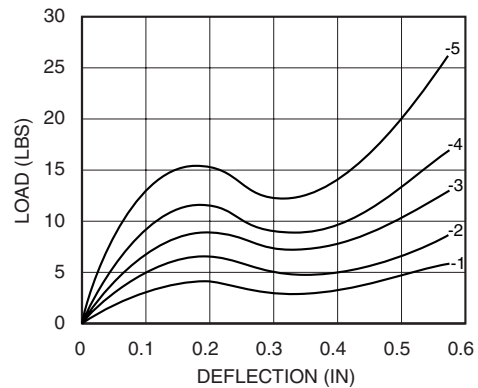
ME500 Mount Series

Performance Characteristics

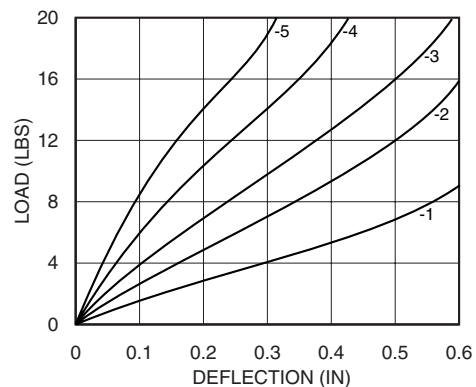
ME500 SERIES
Dimensional Drawing



ME-500 Axial Load vs. Deflection



ME500 Radial Load vs. Deflection



ME500 SERIES LOAD RATINGS

Part #	Maximum Load (lbs.)		Axial Natural Frequency	Color Code
	Axial Compression	Radial		
ME500-1	2.00	0.75	12 Hz	Blue
ME500-2	3.00	1.50	12 Hz	Red
ME500-3	5.00	2.25	12 Hz	Green
ME500-4	7.50	4.00	12 Hz	Yellow
ME500-5	10.00	5.50	12 Hz	White



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For technical, design, or application assistance, call toll free:

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TTA MOUNT SERIES

Features

- Available in Silicone or Neoprene
- Axial to radial stiffness of 1:1
- Mid frequency isolation
- Aluminum construction

Benefits

- Attenuates a 15g, 11 millisecond half-sine shock to 6g's
- Survives a 30g, 11 millisecond half-sine crash safety shock
- Lightweight & durable

Load Range

- 3 load ratings to 15 lbs. per mount

Mid-frequency, high deflection mounts for protection from severe vibration and shock.



The TT-A mount is a mid frequency isolator which combines a low profile and large deflection capability in order to provide both shock and vibration protection. The TT-A is ideal for applications where high amplitude vibration inputs are expected or where large shock deflections are needed.

Applications

- Ruggedized disk drives
- Electronics for rotary wing and propeller driven aircraft
- Mobile ground equipment
- Other applications where high amplitude, low frequency vibration is present

NATURAL FREQUENCY	12-20 Hertz
TRANSMISSIBILITY AT RESONANCE	4.0 Max. (Hi-Damp Silicone) 10.0 Max. (Neoprene)
RESILIENT ELEMENT	Hi-Damp Silicone or Neoprene
STANDARD MATERIALS	Aluminum (Grounding Strap Beryllium Copper)
WEIGHT	2.0 oz.

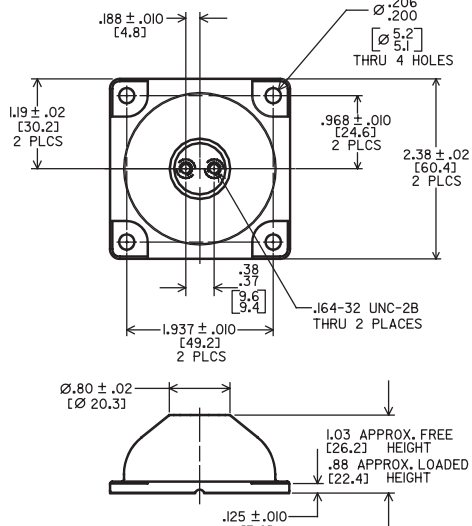
Environmental Data

- Hi-Damp Silicone operating temperature range is -67°F to +300°F (-55°C to +150°C) and is resistant to fungus and ozone.
- Neoprene operating temperature range is -20°F to +180°F (-30°C to +82°C) and is resistant to oil and ozone.

Dimensions & Performance Characteristics

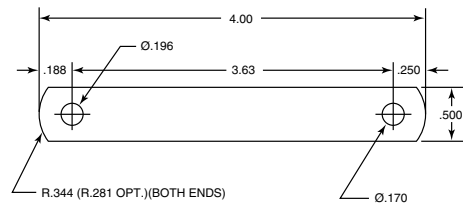
TTA SERIES

Dimensional Drawing



OPTIONAL RESTRAINING STRAP

Dimensional Drawing - Part #880749-02804

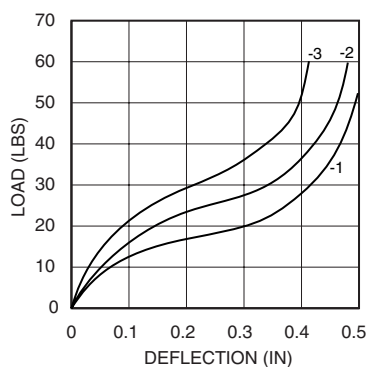


*Please note, mounts are not inherently fail-safe.
They may require the use of a suitable restraining device.

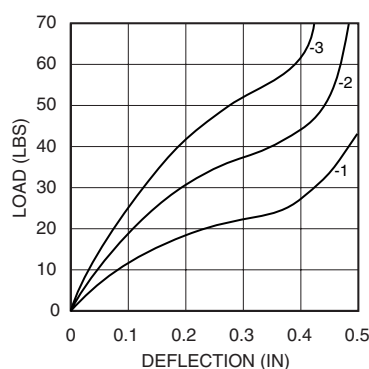
TTA SERIES ORDERING INFORMATION

PART #		LOAD RANGE (lbs.)
Neoprene	Silicone	
TTN-A-1	TT-A-1	5-7
TTN-A-2	TT-A-2	7-10
TTN-A-3	TT-A-3	10-15

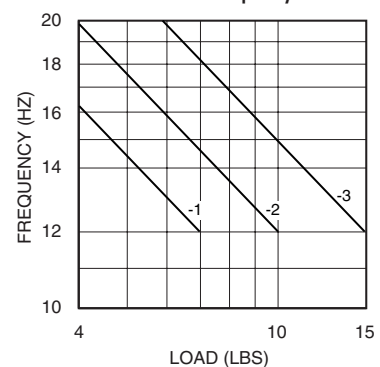
TTA Load vs. Deflection



TTNA Load vs. Deflection



TTA & TTNA Natural Frequency vs. Load



Barry Controls

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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

TTB MOUNT SERIES

Features

- Available in Silicone or Neoprene
- Axial to radial stiffness of 2.3:1
- Mid frequency isolation
- Aluminum construction

Benefits

- Attenuates a 15g, 11 millisecond half-sine shock to 10g's
- Attenuates a 30g, 11 millisecond half-sine crash safety shock to 16 g's
- Lightweight

Load Range

- 3 load ratings to 30 lbs. per mount

Mid-frequency, low profile, high deflection mounts for protection from severe vibration and shock.



Barry TT-B Mounts are mid-frequency isolators with a large deflection capacity, designed to give both shock and vibration isolation protection. The standard Neoprene version is for applications where temperature extremes are not a factor.

Applications

- Shipping containers
- Airborne electronics & racking
- Shipboard equipment
- Mobile mounted equipment
- Other applications where high amplitude, low frequency vibration is present

NATURAL FREQUENCY	25-35 Hertz
TRANSMISSIBILITY AT RESONANCE	4.0 Max. (Hi-Damp Silicone) 10.0 Max. (Neoprene)
RESILIENT ELEMENT	Hi-Damp Silicone or Neoprene
STANDARD MATERIALS	Aluminum (Grounding Strap Beryllium Copper)
WEIGHT	6.5 oz.

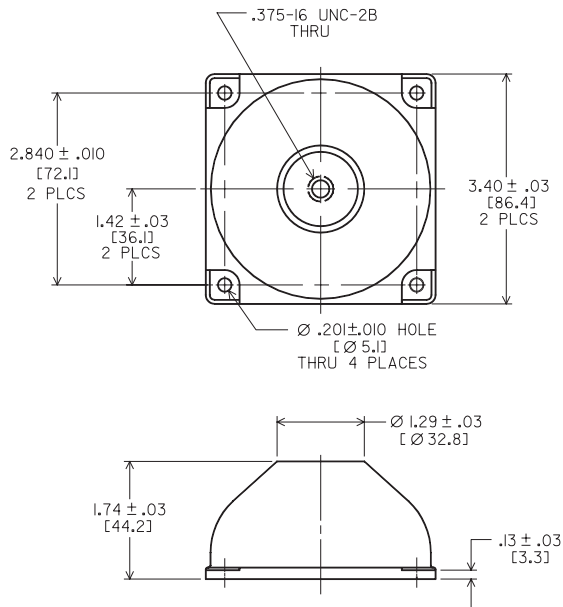
Environmental Data

- Hi-Damp Silicone operating temperature range is -67°F to +300°F (-55°C to +150°C) and is resistant to fungus and ozone.
- Neoprene operating temperature range is -20°F to +180°F (-30°C to +82°C) and is resistant to oil and ozone.

TTB Mount Series

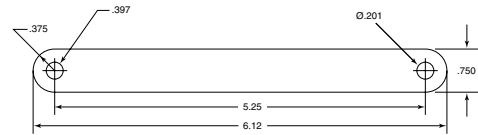
Dimensions & Performance Characteristics

TTB SERIES
Dimensional Drawing



OPTIONAL RESTRAINING STRAP

Dimensional Drawing - Part #8810015-12804

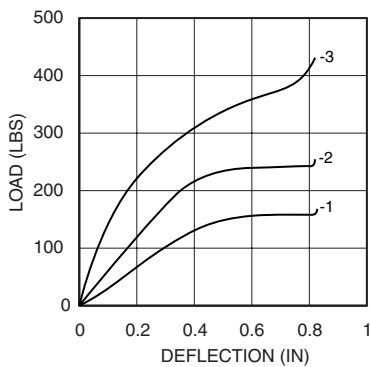


*Please note, mounts are not inherently fail-safe.
They may require the use of a suitable restraining device.

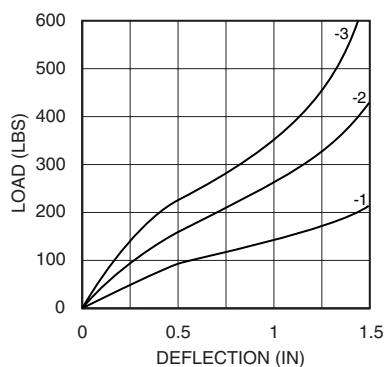
ORDERING INFORMATION

PART #		LOAD RANGE (lbs.)	
Neoprene	Silicone	Neoprene	Silicone
TTN-B-1	TT-B-1	12	10
TTN-B-2	TT-B-2	20	18
TTN-B-3	TT-B-3	30	25

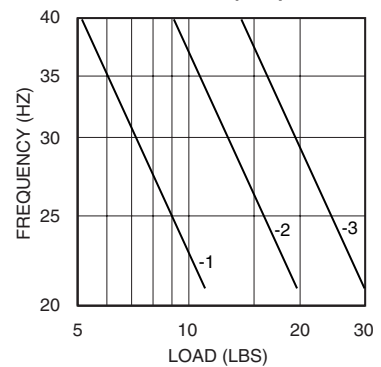
TTB Axial Load vs. Deflection



TTB Radial Load vs. Deflection



TTB Series Natural Frequency vs. Load



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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

HTTA MOUNT SERIES

Features

- Low natural frequency (10-13 Hertz)
- Axial to radial stiffness is 1:1.4
- Aluminum construction

Benefits

- Will not degrade in performance when subjected to a 15g, 11 millisecond half sine shock input
- Will not fail under a 30g, 11 millisecond half sine shock input
- Lightweight
- Fungus and ozone resistant

Load Range

- 3 load ratings from 5 - 20 lbs. per mount

Low-frequency, highly damped mounts for high level shock and vibration isolation.



Barry HTTA-Series Mounts are low frequency isolators with a large deflection capacity to provide both vibration and shock protection. They are designed to meet the requirements of MIL-STD-810C for mounting electronic equipment in helicopter environments.

Applications

- Mounting equipment in helicopter environments (meets MIL-STD-810C requirements)
- Other applications where a large deflection capacity is required

NATURAL FREQUENCY	10-13 Hertz
TRANSMISSIBILITY AT RESONANCE	4.0 Max.
RESILIENT ELEMENT	Hi-Damp Silicone
STANDARD MATERIALS	Aluminum (Grounding Strap Beryllium Copper)
WEIGHT	4 oz.

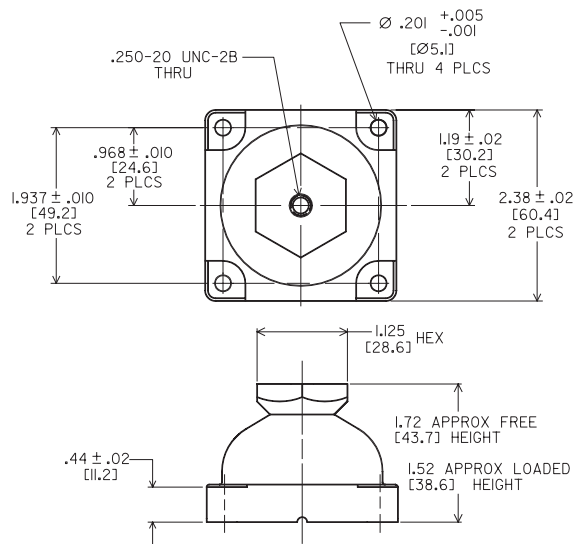
Environmental Data

- Hi-Damp Silicone elastomer has an operating temperature range of -67°F to +300°F (-55°C to +150°C) and is fungus and ozone resistant.

HTTA Mount Series

Dimensions & Performance Characteristics

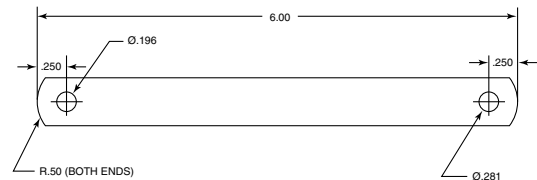
HTTA SERIES
Dimensional Drawing



HTTA SERIES OPERATING RANGE DATA

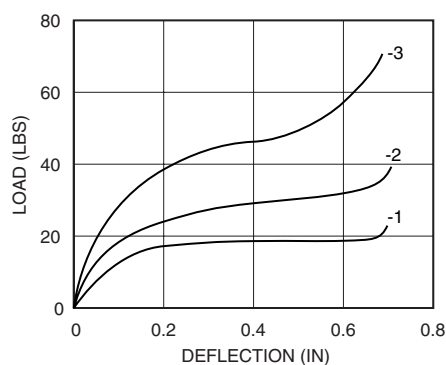
Part #	Axial Load Range (lbs.)	Static Deflection Range (lbs.)	Resonant Natural Frequency Range (Hz.)
HTTA-1	5-8	.028"-.055"	13-10
HTTA-2	7-13	.021"-.061"	13-10
HTTA-3	13-20	.028"-.062"	13-10

OPTIONAL RESTRAINING STRAP
Dimensional Drawing - Part #885368-12804

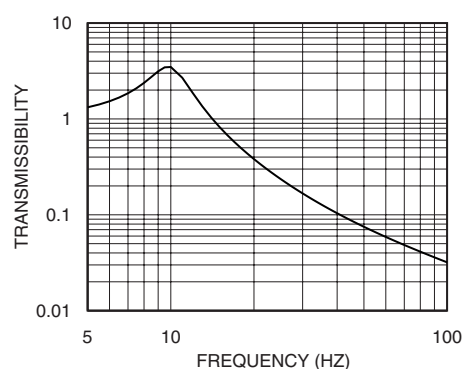


*Please note, mounts are not inherently fail-safe.
They may require the use of a suitable restraining device.

HTTA Load vs. Deflection



HTTA Typical Transmissibility



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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

VHC MOUNT SERIES

Features

- Buckling design
- Steel construction
- Compression to shear stiffness ratio 2:1
- Designed to carry static loads in the axial direction, but can accommodate dynamic inputs in the radial direction
- Attenuates 18" freefall shock input to approximately 12g's

Benefits

- Large deflection capacity provides superior shock attenuation
- Can be used as stabilizers for tall equipment packages
- Maximum loads apply when mount will be subjected to an 18" freefall. Larger loads can be accommodated for less severe shock inputs.

Load Range

- 4 load ratings to 145 lbs. per mount



High deflection shock and vibration isolators for medium-weight sensitive equipment.



Barry VHC-Series mounts are special purpose, mid-frequency isolators designed to protect sensitive equipment when high level shock and vibration inputs are expected. Typical applications include electronic equipment installed in mobile equipment subjected to off-road environments.

Applications

- Ground vehicle electronics
- Shipboard equipment
- Shipping containers
- Equipment installed in transportable shelters

NATURAL FREQUENCY	12-20 Hertz
TRANSMISSIBILITY AT RESONANCE	5.0 Max. (Barry LT Compound) 10.0 Max. (Neoprene)
RESILIENT ELEMENT	Barry LT Compound or Neoprene
STANDARD MATERIALS	Steel (Grounding Strap Beryllium Copper)
WEIGHT	4 lbs.

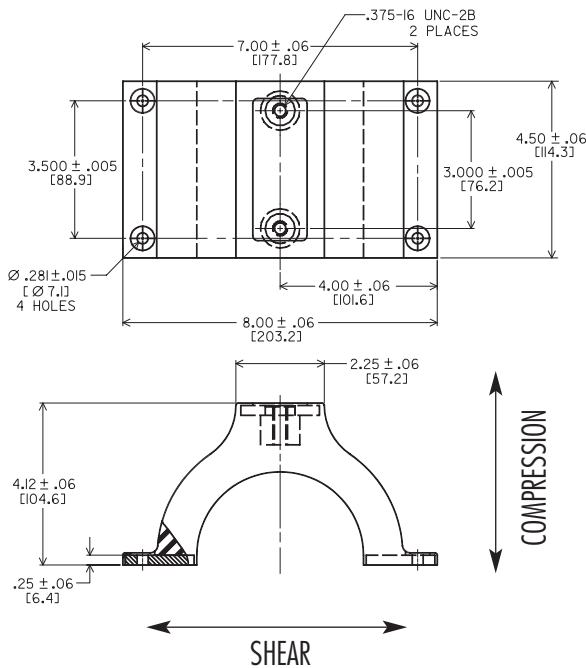
Environmental Data

- Barry LT (low-temperature) Compound, which is ideal for military applications, operates between -67°F and +180°F (-55°C to +82°C) and is resistant to fungus and ozone.
- Neoprene has an operating temperature range of -20°F to +180°F (-30°C to +180°C) and resists oil and ozone.

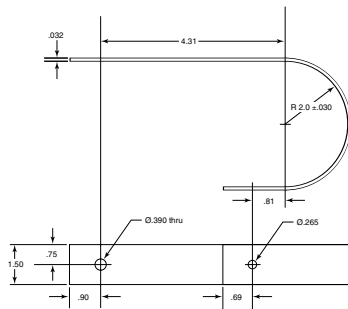
VHC Mount Series

Dimensions & Performance Characteristics

VHC SERIES
Dimensional Drawing



OPTIONAL RESTRAINING STRAP
Dimensional Drawing - Part #8810090-01804



*Please note, mounts are not inherently fail-safe.
They may require the use of a suitable restraining device.

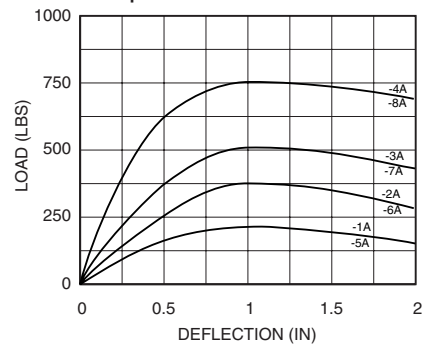


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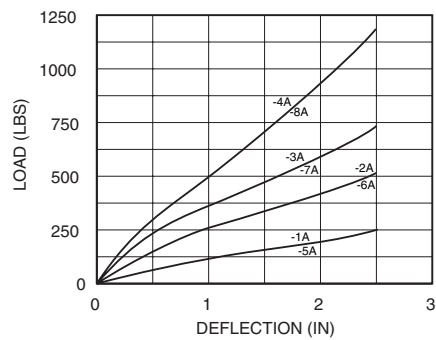
LOAD RATINGS

Part #		Max. Axial Load Rating (lbs.)
Neoprene	Barry LT	
VHC-1A	VHC-5A	45
VHC-2A	VHC-6A	70
VHC-3A	VHC-7A	100
VHC-4A	VHC-8A	145

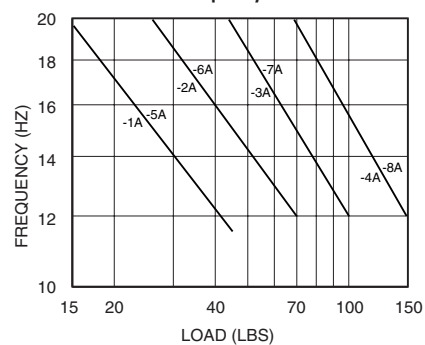
Compression Load vs. Deflection



Shear Load vs. Deflection



Natural Frequency vs. Load



2K MOUNT SERIES

Features

- Combines shock and vibration isolation in a single isolator
- Protects from vibratory inputs as low as 10 Hz
- Designed for base mounting only
- Wide load range for most applications

Benefits

- Elastomeric shock attenuating elements have as much as 1 inch of available deflection (1.5 inches for 2KS)
- Limit shock transmissions to 20g's when subjected to a five foot hammer blow per MIL-S-901
- Many custom versions are available. Consult factory for more information

Load Range

- 2K1 Series = 4 load ratings from 1 - 10 lbs. per mount
- 2K2 Series = 8 load ratings from 4 - 90 lbs. per mount
- 2KS Series for loads from 250 - 6,000 lbs.



Two stage shock mount and vibration isolator for severe dynamic environments such as shipboard and ground vehicles.



Barry 2K-Series mounts offer the advantage of superior vibration and shock protection for a wide range of loads in a single compact unit. These isolators are ideal for isolating naval sonar equipment, shipboard electronics and communications.

Applications

- Naval sonar equipment
- Shipboard electronics
- Radar installations
- Computer & video displays

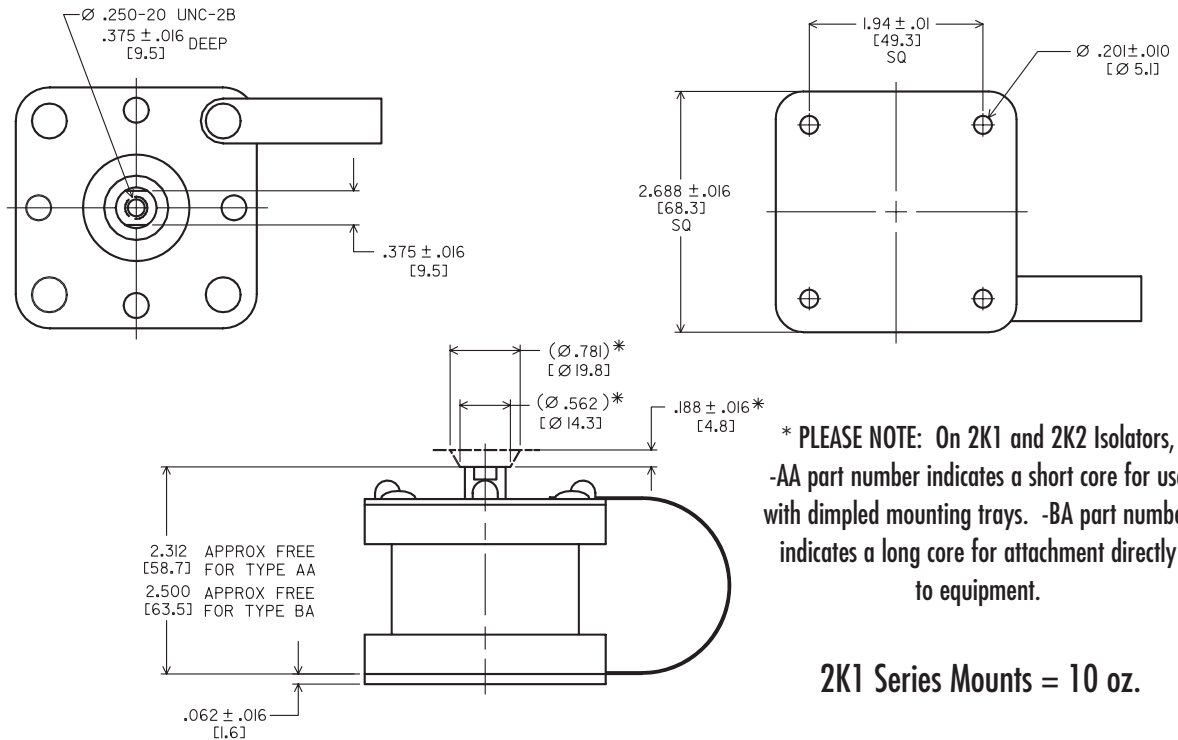
	Vibration Element	Shock Element
NATURAL FREQUENCY	6-8 Hertz vertical	15 Hertz vertical
TRANSMISSIBILITY AT RESONANCE	2.5 Max.	10 Max.
RESILIENT ELEMENT	Friction damped spring	Neoprene or Nitrile elastomer
STANDARD MATERIALS	Varies with model Standard Beryllium Copper Grounding Strap	
WEIGHT	See Dimensional Drawings	

Environmental Data

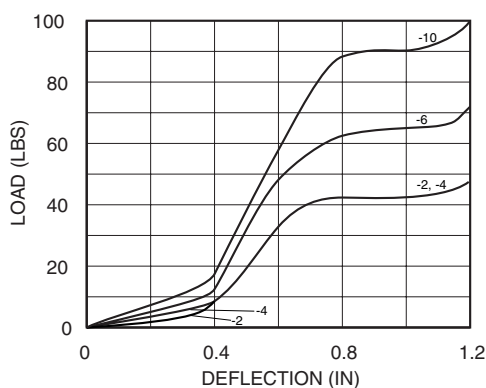
- 2K1 and 2K2 isolators are for use with lightweight MIL-S-901 applications.
- 2KS systems are for use with medium weight MIL-S-901 applications.
- Isolators and systems met MIL-STD-16400 inclination, temperature, humidity and salt spray specifications, MIL-STD-167 vibration tests and MIL-M-17185 environmental and oil immersion tests.
- Operating temperature range is -20°F to +180°F (-30°C to +82°C).
- Isolators are unaffected by humidity, sand, dust and fungus.

2K Series (2K1)

Dimensions & Performance Characteristics



2K1 Load vs. Deflection



2K1 LOAD RATINGS

PART #	STATIC LOAD RANGE /ISOLATOR (LBS.)
2K1-AA-2 & BA-2	1-2
2K1-AA-4 & BA-4	2-4
2K1-AA-6 & BA-6	4-6
2K1-AA-10 & BA-10	6-10



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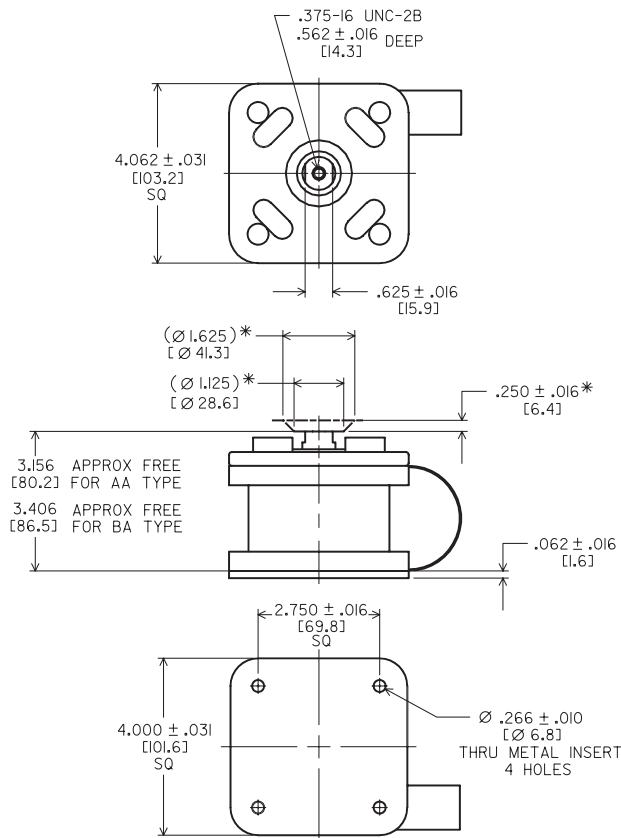
For technical, design, or application assistance, call toll free:

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2K Series (2K2)

Dimensions & Performance Characteristics

2K2 Series Mounts = 1.6 lbs.

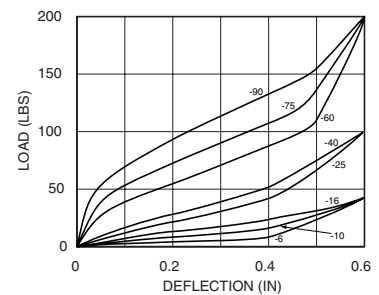


*** PLEASE NOTE:** On 2K1 and 2K2 Isolators, -AA part number indicates a short core for use with dimpled mounting trays. -BA part number indicates a long core for attachment directly to equipment.

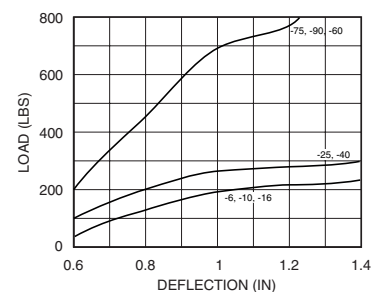
2K2 LOAD RATINGS

PART #	STATIC LOAD RANGE /ISOLATOR (LBS.)
2K2-AA-6 & BA-6	4-6
2K2-AA-10 & BA-10	6-10
2K2-AA-16 & BA-16	10-16
2K2-AA-25 & BA-25	16-25
2K2-AA-40 & BA-40	25-40
2K2-AA-60 & BA-60	40-60
2K2-AA-75 & BA-75	60-75
2K2-AA-90 & BA-90	75-90

2K2 Load vs. Deflection (0 to .6 inches)



2K2 Load vs. Deflection (0.6 to 1.4 inches)



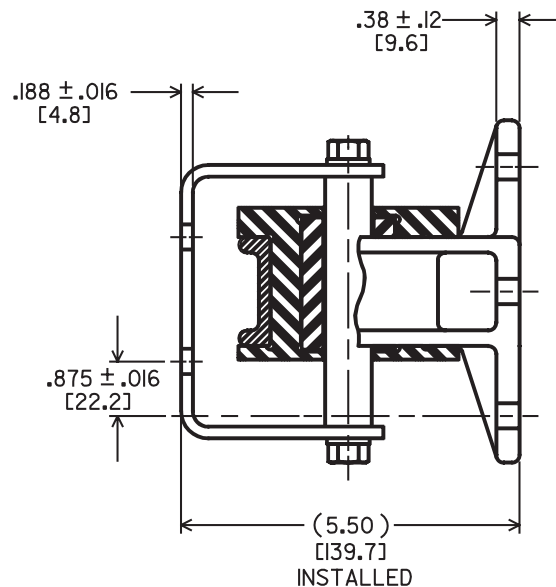
Barry Controls

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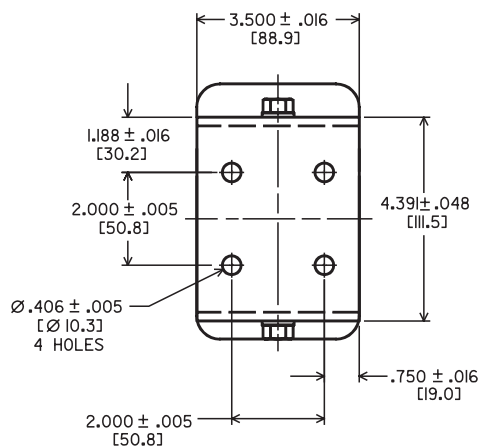
2K Mount Series Lightweight Stabilizer

Dimensional Drawing

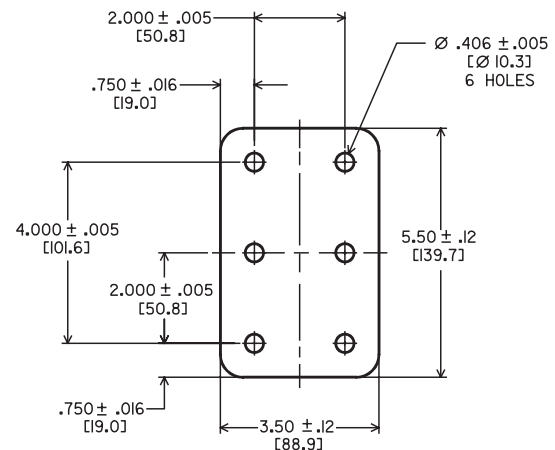
LIGHTWEIGHT STABILIZER 21335-5 DIMENSIONAL DRAWINGS



2K EQUIPMENT INTERFACE



2K BULKHEAD INTERFACE



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For technical, design, or application assistance, call toll free:

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GB530 MOUNT SERIES

Features

- Steel construction
- Protects from vibratory inputs as low as 7 Hz
- Available in butyl upon special order

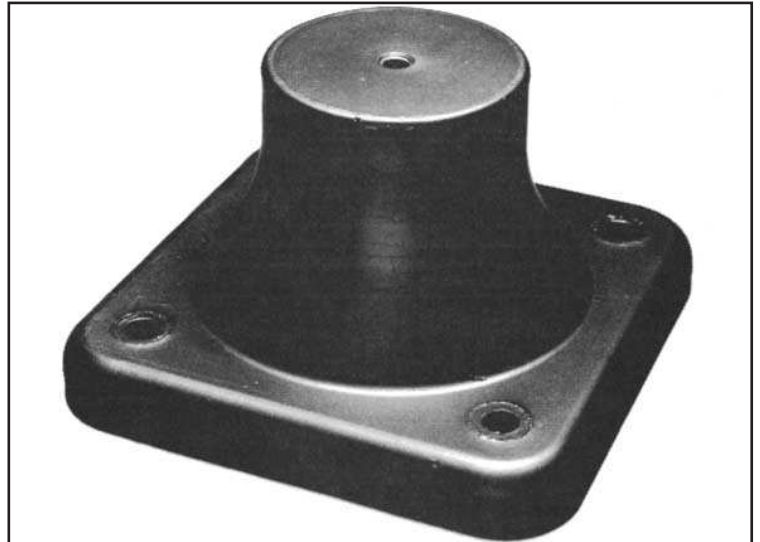
Benefits

- Capable of large deflections under shock inputs
- Available in natural rubber with a transmissibility at resonance of approximately 10
- Excellent attenuation of structure borne noise in the range of 12.5-10,000 Hz

Load Range

- Load range to 1,322 lbs. per isolator

Shock & vibration isolators protect naval equipment installed in high impact and shock loading environments.



Barry GB530 Series mounts provide large deflections under shock input and effective attenuation of structure-borne noise in the range of 12.5 - 10,000 Hertz. GB530 isolators are ideal for shipboard applications.

Applications

- Naval sonar equipment
- Shipboard electronics
- Radar installations
- Protection of sensitive equipment and weaponry during transportation

NATURAL FREQUENCY	As low as 7 Hertz
TRANSMISSIBILITY AT RESONANCE	10
RESILIENT ELEMENT	Natural rubber
STANDARD MATERIALS	Steel
WEIGHT	7.45 lbs.

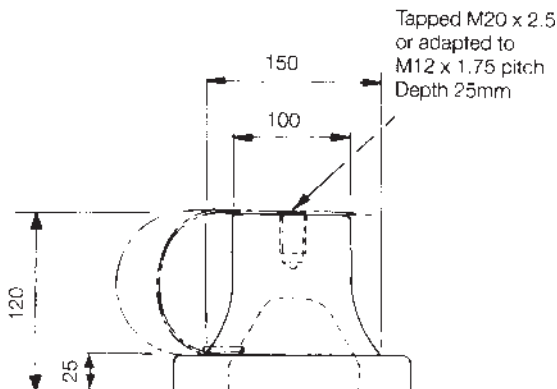
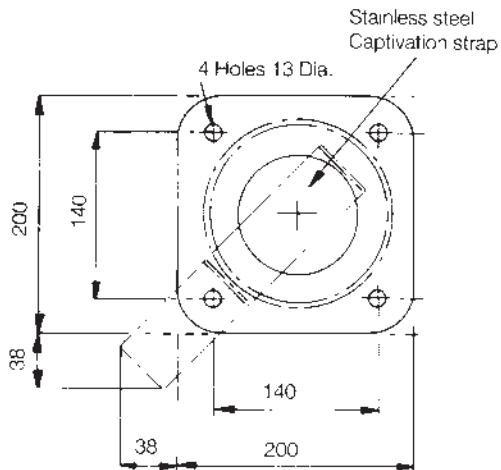
Environmental Data

- Natural rubber has an operating temperature range of -25°F to +160°F (-32°C to +71°C).

GB530 Mount Series

Dimensions & Performance Characteristics

GB530 SERIES (dimensions in mm)



Isolator Type	Min. load	Max. load
Natural Rubber		
GB530 (NR1)	16.5 lbs.	165 lbs.
GB530 (NR2)	33 lbs.	330 lbs.
GB530 (NR3)	55 lbs.	551 lbs.
GB530 (NR4)	88 lbs.	881 lbs.
GB530 (NR5)	132 lbs.	1,322 lbs.
Butyl		
GB530 (B2)	22 lbs.	220 lbs.
GB530 (B3)	26 lbs.	275 lbs.
GB530 (B4)	37 lbs.	374 lbs.
GB530 (B5)	44 lbs.	440 lbs.
<ul style="list-style-type: none"> - (M12) = Tapped top hole - (M20) = Tapped top hole - (FM) = Ferrous metal parts - (NM) = Non magnetic parts - (S) = Captivation strap - (O) = Without captivation strap 		
GB530 - NR - M20 - NM - O Typical GB530 Part #		



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For technical, design, or application assistance, call toll free:

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BARRY-FLEX ISOLATOR SERIES (GBC01 /GBC02)

Features

- Aluminum alloy construction
- Meets requirements of MIL-STD-810 and DEF.STAN.07-55
- Low-profile design
- Unique cooling feature

Benefits

- Static deflection of .04" under maximum load
- Special elastomer formulation meets damping and high deflection characteristics of current defense standards
- Up to .47" dynamic deflection available, despite low profile
- Elastomer will not overheat during prolonged dynamic excursions

Load Range

- GBC01 Series available in 3 load ratings from 8.8 to 17.6 lbs.
- GBC02 Series available in 4 load ratings from 17.6 to 40 lbs.



Low-profile, high-deflection elastomeric shock & vibration isolators protect sensitive military equipment in harsh environments.



Barry-Flex isolators are designed for harsh environments where high-amplitude shock and vibration are encountered. Their rugged design and high deflection capabilities are ideal for this type of environment.

Applications

- Electronic packages, computers & communications equipment installed within military vehicles

NATURAL FREQUENCY	15 Hertz at maximum load
TRANSMISSIBILITY AT RESONANCE	4.0
RESILIENT ELEMENT	Barry LT
STANDARD MATERIALS	Aluminum alloy
WEIGHT	GBC01 = 1.45 oz. GBC02 = 2.68 oz.

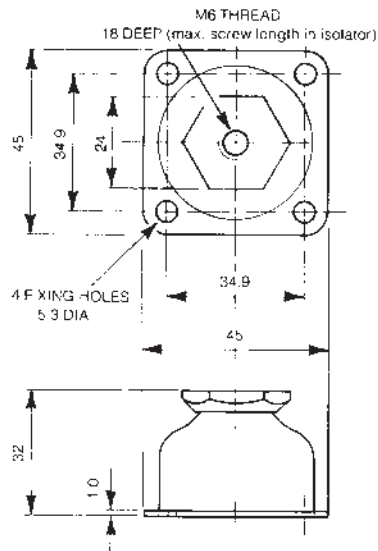
Environmental Data

- Operating temperature range of -40°F to 180°F (-40°C to +82°C).
- Can be stored at temperatures as low as -67°F (-55°C).
- Unique cooling feature ensures that elastomer does not overheat during prolonged dynamic excursions.

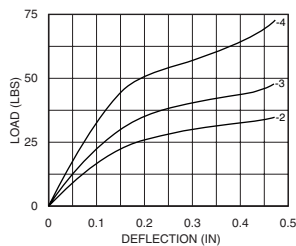
Barry-Flex Isolator Series

Dimensions & Performance Characteristics

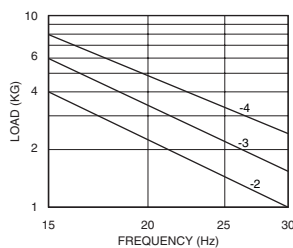
GBC01 SERIES (dimensions in mm)



Load vs. Deflection



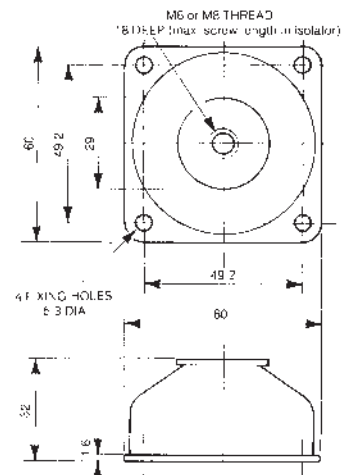
Load vs. Natural Frequency



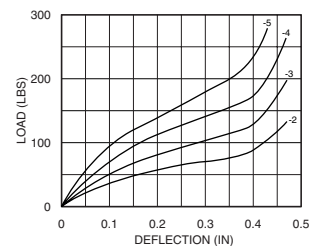
Part Numbers Load

Part Numbers	Load
GBC01-2-TM6-L	4
GBC01-3-TM6-L	6
GBC01-4-TM6-L	8

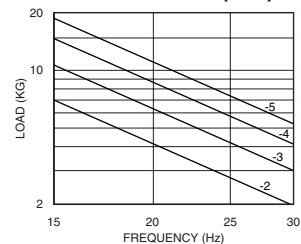
GBC02 SERIES (dimensions in mm)



Load vs. Deflection



Load vs. Natural Frequency



Part Numbers Load

Part Numbers	Load
GBC02-2-TM6-L or GBC02-2-TM8-L	7
GBC02-3-TM6-L or GBC02-3-TM8-L	10
GBC02-4-TM6-L or GBC02-4-TM8-L	15
GBC02-5-TM6-L or GBC02-5-TM8-L	20



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Low Profile Mounts



- 6300/6550 Series
- E Series (E21/E22)
- 5200 Series
- 6820 Series
- Multiaxis Mounts

6300/6550 MOUNT SERIES

Features

- All attitude
- Low-cost
- Axial to radial stiffness of 1:1
- Compact, low-profile design

Benefits

- Compact size minimizes required mounting space
- Mounting permitted at any angle
- Fail-safe design captivates equipment even if elastomer is destroyed

Load Range

- 6300 = 4 load ratings to 11 lbs. per mount
- 6550 = 4 load ratings to 18 lbs. per mount

Small, low-profile, all-attitude elastomeric mounts for vibration and shock protection.



Barry 6300/6550 Series Mounts are designed for use either as an integral mount or isolation system for light to medium weight electronic equipment. Versions are available in Neoprene or Hi-Damp Silicone for MIL specifications.

Applications

- Airborne electronics and racking
- Ruggedized disk drives
- Electronic chassis
- Electric motors

NATURAL FREQUENCY	15-40 Hertz (6300) 20-40 Hertz (6550)
TRANSMISSIBILITY AT RESONANCE	4.0 Max. (Hi-Damp Silicone) 10.0 Max. (Neoprene)
RESILIENT ELEMENT	Hi-Damp Silicone or Neoprene
STANDARD MATERIALS	Varies with model
WEIGHT	6300 = 1.0 oz. 6550 = 1.0 oz.

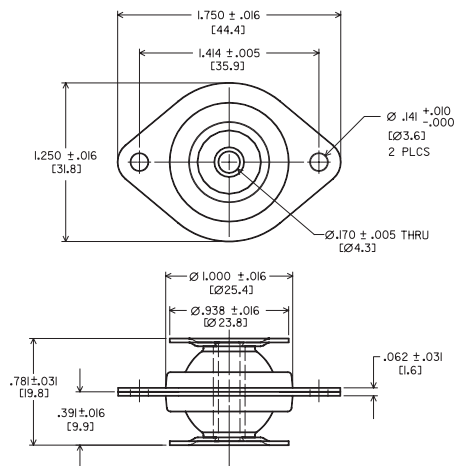
Environmental Data

- Hi-Damp Silicone is ideal for applications requiring greater damping, extreme temperature service and resistance to fungus and ozone. Operating temperature range is -67°F to +300°F (-55°C to +150°C).
- Neoprene operating temperature range is -20°F to +180°F (-30°C to +83°C) and is resistant to oil and ozone.

6300 Mount Series

Dimensions & Performance Characteristics

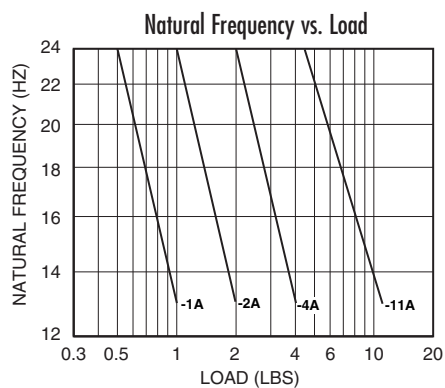
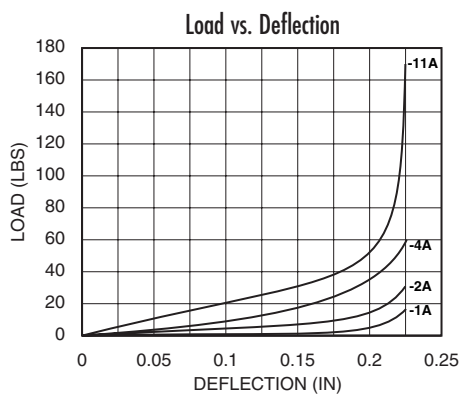
SERIES 6300 DIMENSIONAL DRAWING



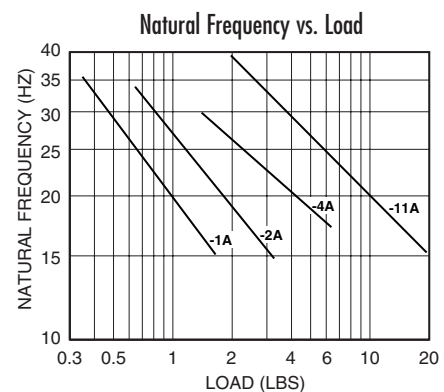
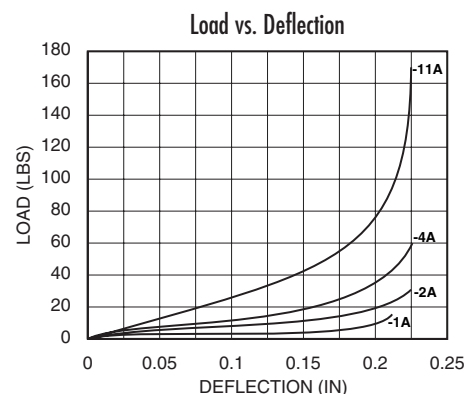
LOAD RATINGS

Nat. Rubber	Hi-Damp	Neoprene	Max. Load/Mount (lbs.)
6300-1A	N6300-1A	6300-1NA	1
6300-2A	N6300-2A	6300-2NA	2
6300-4A	N6300-4A	6300-4NA	4
6300-11A	N6300-11A	6300-11NA	11

6300-A and 6300-NA Series Performance Data



N6300 Series Performance Data



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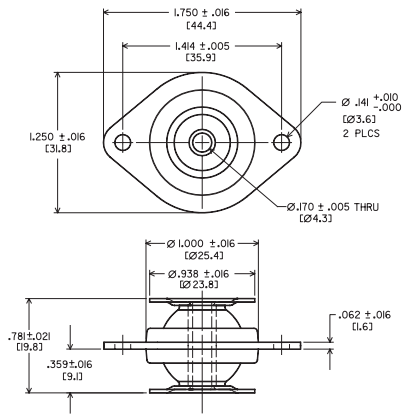
For technical, design, or application assistance, call toll free:

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6550 Mount Series

Dimensions & Performance Characteristics

SERIES 6550 DIMENSIONAL DRAWING

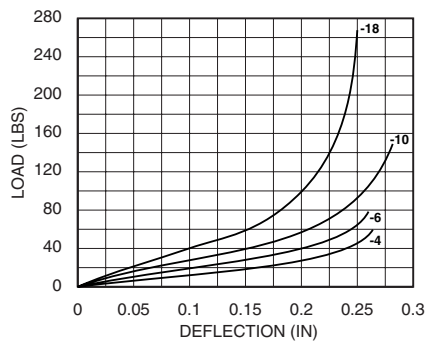


6550 SERIES LOAD RATINGS

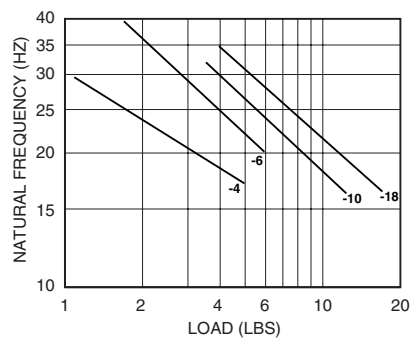
Nat. Rubber	Hi-Damp	Neoprene	Max. Load/Mount (lbs.)
6550-4	N6550-4	6550-4N	4
6550-6	N6550-6	6550-6N	6
6550-10	N6550-10	6550-10N	10
6550-18	N6550-18	6550-18N	18

6550 and 6550-N Series Performance Data

Load vs. Deflection

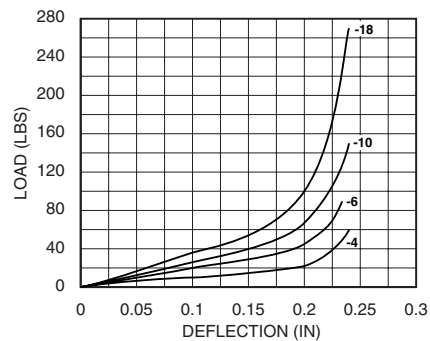


Natural Frequency vs. Load

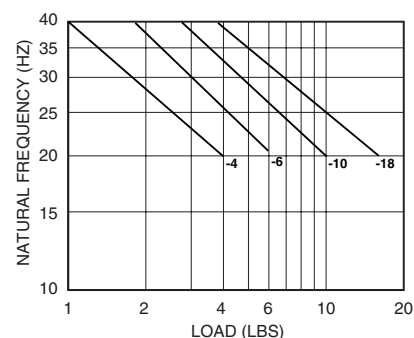


N6550 Series Performance Data

Load vs. Deflection



Natural Frequency vs. Load



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For technical, design, or application assistance, call toll free:

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E MOUNT SERIES (E21 /E22)

Features

- Lightweight, low-profile, all-attitude isolators
- Available as standard plate type (E21) or optional cup type (E22)
- Axial to radial stiffness of 1:1
- Sturdy, reliable construction

Benefits

- Fail-safe
- Survives a 30g, 11 millisecond shock input at rated load

Load Range

- 3 load ratings to 10 lbs. per mount

Low-profile, all-attitude isolators for vibration and shock protection.



Barry E Series Mounts are designed for optimum shock and vibration isolation of lightweight electronic equipment, where space is a concern. E-Mounts are ideal for isolation where random vibration environments occur, such as in military or commercial aircraft applications.

Applications

- Equipment in commercial or military jet aircraft
- Missile electronics
- Ruggedized disk drives
- Random vibration environments

NATURAL FREQUENCY	25-40 Hertz
TRANSMISSIBILITY AT RESONANCE	4.0 Max.
RESILIENT ELEMENT	Hi-Damp Silicone
STANDARD MATERIALS	Aluminum w/zinc plated core
WEIGHT	E21 = .023 lbs. E22 = .045 lbs.

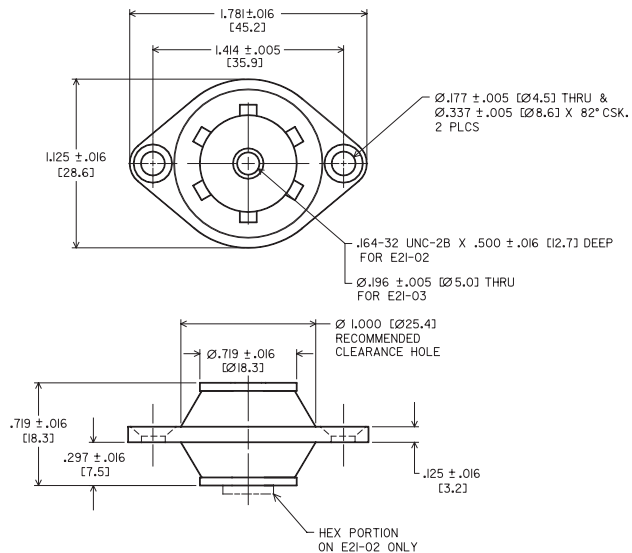
Environmental Data

- Hi-Damp Silicone operating temperature range is -67°F to +300°F (-55°C to +150°C) and storage temperature range is -100°F to +300°F (-75°C to +150°C). Elastomer is fungus and ozone resistant and meets environmental requirements of MIL-E-5400.

E Mount Series (E21)

Dimensions & Performance Characteristics

E21 SERIES DIMENSIONAL DRAWING



LOAD RATINGS

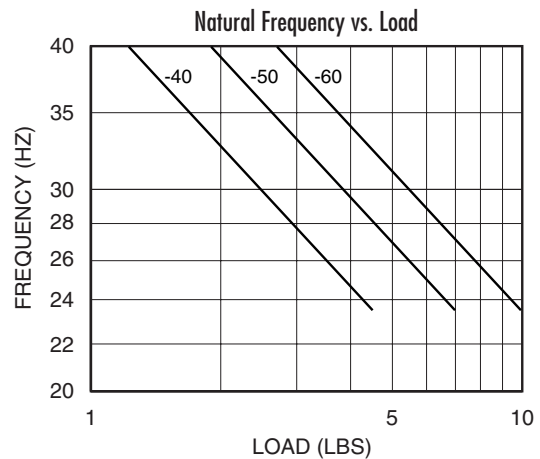
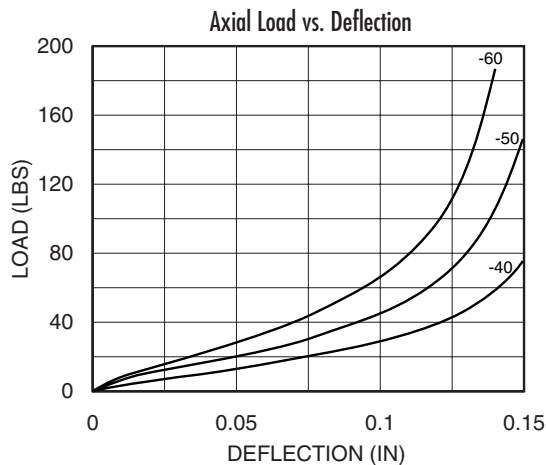
Max. Load/Mount (lbs.)	Plate Type Tapped Core	Plate Type Thru Core	Weight (lbs.)
4.50	E21-02-40	E21-03-40	.023
7.00	E21-02-50	E21-03-50	
10.00	E21-02-60	E21-03-60	

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E21 and E22 Series Performance Data

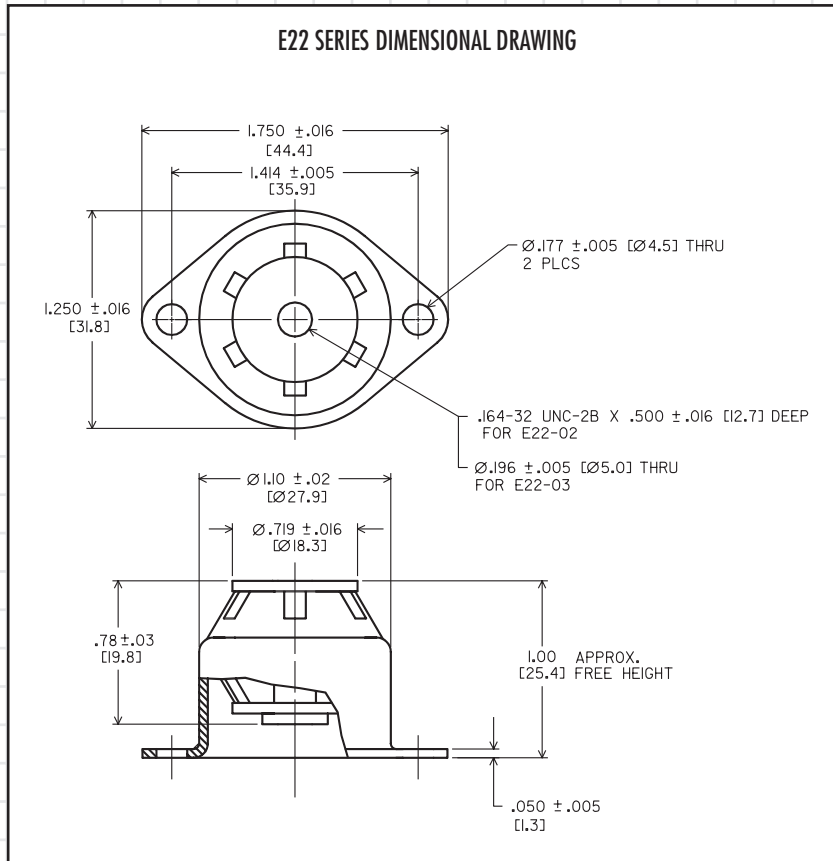


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E Mount Series (E22)

Dimensions & Performance Characteristics



LOAD RATINGS			
Max. Load/Mount (lbs.)	Cup Type Tapped Core	Cup Type Thru Core	Weight (lbs.)
4.50	E22-02-40	E22-03-40	.045
7.00	E22-02-50	E22-03-50	
10.00	E22-02-60	E22-03-60	



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For technical, design, or application assistance, call toll free:

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5200 MOUNT SERIES (5200/5200HT)

Features

- All-attitude mounting with rugged, fail-safe construction
- Axial to radial stiffness of 1:0.6
- Low profile mounts
- Wide range of load ratings for both stationary and mobile environments

Benefits

- Isolator provides effective vibration isolation in any attitude
- Fail-safe design captivates the mounted equipment even if the elastomeric elements should be destroyed

Load Range

- 4 load ratings to 50 lbs. per mount

Versatile all-attitude isolators for vibration and shock protection.



Barry 5200 Series Mounts are for applications where protection is required from shock, vibration or noise. The fail-safe, low profile construction of 5200 Series Isolators are ideal for use where space is at a minimum.

Applications

- Airborne electronics and racking
- Ground transportation applications
- Severe random vibration environments
- Electric motors

NATURAL FREQUENCY	15-40 Hertz
TRANSMISSIBILITY AT RESONANCE	4.0 Max. (Hi-Damp Silicone) 10.0 Max. (Neoprene & Natural Rubber)
RESILIENT ELEMENT	Hi-Damp Silicone, Neoprene, or Natural Rubber
STANDARD MATERIALS	Zinc plated steel
WEIGHT	5200 = 2.5 oz. 5200H = 3.5 oz.

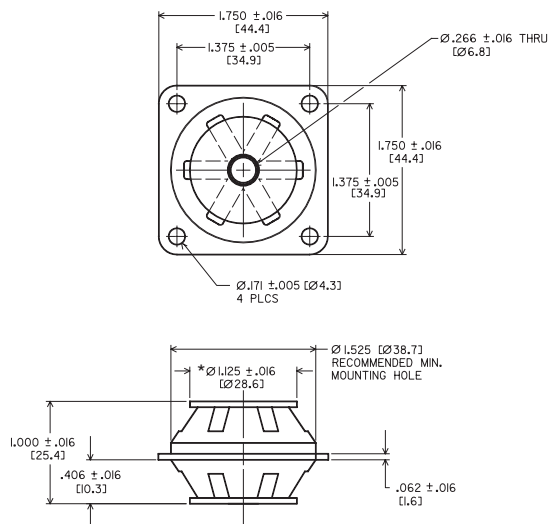
Environmental Data

- Hi-Damp Silicone version meets shock & vibration requirements of MIL-E-5400 with an operating temperature range of -67°F to +300°F (-55°C to +150°C).
- Neoprene version is available for use where temperature extremes are not encountered, but resistance to oil or ozone is required. Operational temperature range is -20°F to +180°F (-30°C to +83°C).

5200 Mount Series

Dimensions & Performance Characteristics

5200 SERIES DIMENSIONAL DRAWING



TYPE 5200 SHOWN
FOR VARIATIONS SEE
SECTION ON HOW TO ORDER

* $\varnothing 1.375$ for 'N' prefix (Hi-Damp) Parts

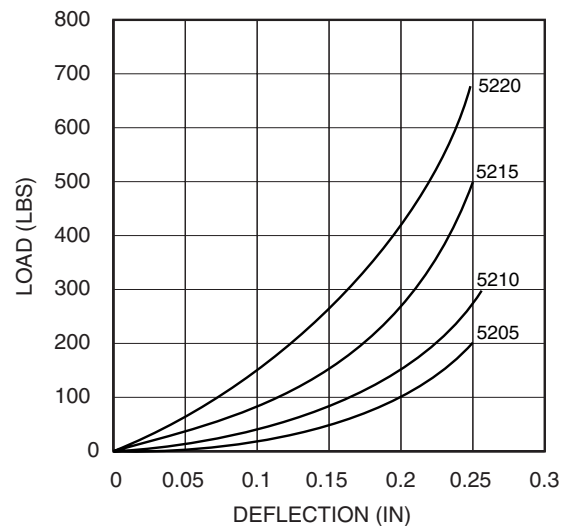
5200 SERIES LOAD RATINGS

Part #*	Maximum Load /Isolator (lbs.) - Stationary -	Maximum Load /Isolator (lbs.) - Mobile -
5205	15	4 - 7
5210	25	8 - 11
5215	35	12 - 17
5220	50	18 - 30

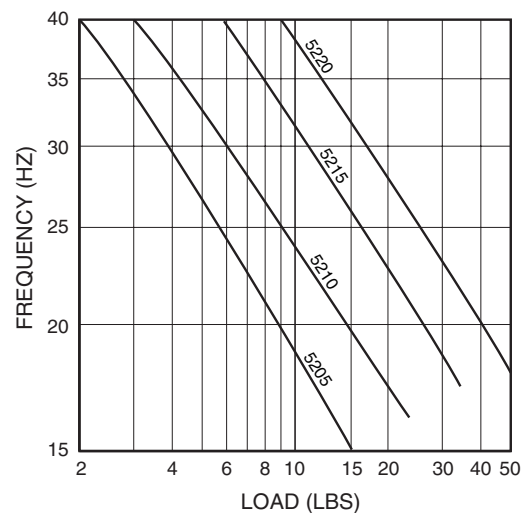
*Part Numbers shown above are basic numbers. For complete part numbers please see page 78.

5200 Series Performance Data

Load vs. Deflection



Natural Frequency vs. Load



Barry Controls

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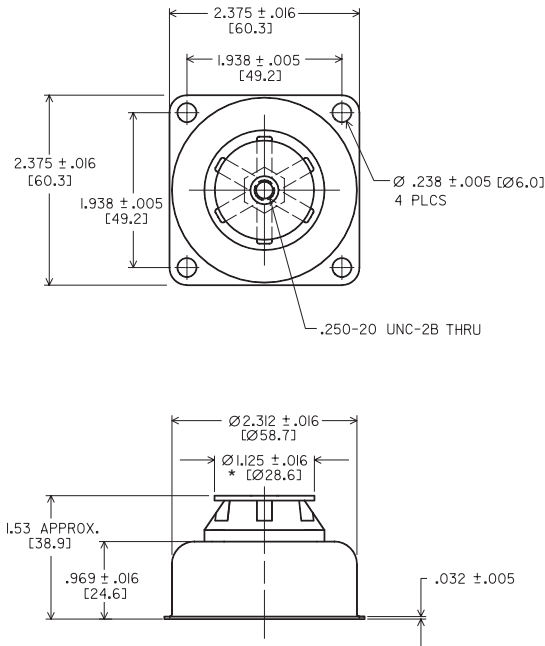
For technical, design, or application assistance, call toll free:

1-800-BARRY MA

5200 Mount Series (5200HT)

Dimensions & Performance Characteristics

5200HT SERIES DIMENSIONAL DRAWING



TYPE 5200-HT SHOWN
FOR VARIATIONS SEE
SECTION ON HOW TO ORDER
*ø1.375 for 'N' prefix (Hi-Damp) Parts



HOW TO ORDER 5200 SERIES ISOLATORS

PLATE STYLE ISOLATORS (5200 SERIES)

Letter N placed at beginning for Silicone
Letter N placed at end for Neoprene
(Absence of letter N indicates special natural rubber version)

N 5205-T X N

- Use T for 1/4-20 UNC 2B threaded core
- Leave blank for through hole

- Use X for hex end of tapped core opposite 1.5 dia. ring
- Use Y for hex end of tapped core on side nearest 1.5 dia. ring

CUP STYLE ISOLATORS (5200H SERIES)

Letter N placed at beginning for Silicone
Letter N placed at end for Neoprene
(Absence of letter N indicates special natural rubber version)

N 5205-H T N

- H denotes cup-style version

- Use T for 1/4-20 UNC 2B threaded core (hex is inside cup, opposite 1.5" dia. ring)
- Leave blank for through hole



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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

6820 MOUNT SERIES

Features

- Compact, low-profile design
- Low cost isolator
- Wide load range for most applications

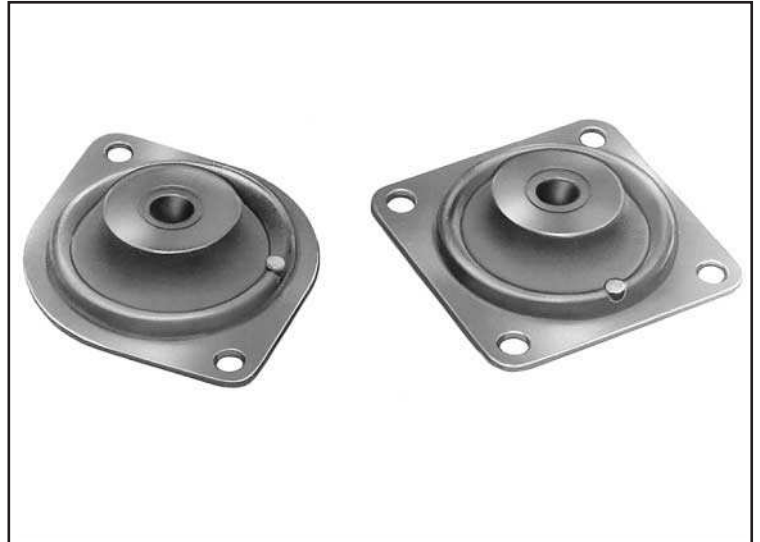
Benefits

- Compact size minimizes required mounting space
- Economical operation
- Design flexibility

Load Range

- 2 sizes to 80 lbs. per mount

Economical, low-frequency, low-profile mounts provide vibration and structure-borne noise control.



Barry 6820 Series Mounts are ideal for providing economical isolation from vibration and structure-borne noise for electronic equipment in cramped environments, such as instrument panels or for motors and generators.

Applications

- Electronic equipment where low-profile equipment installation is required
- Instrument panels
- Airborne electronics
- Motors & generators

NATURAL FREQUENCY	10-30 Hertz
TRANSMISSIBILITY AT RESONANCE	10.0 Max.
RESILIENT ELEMENT	Neoprene
STANDARD MATERIALS	Steel
WEIGHT	6821 = 1.0 oz. 6822 = 2.25 oz.

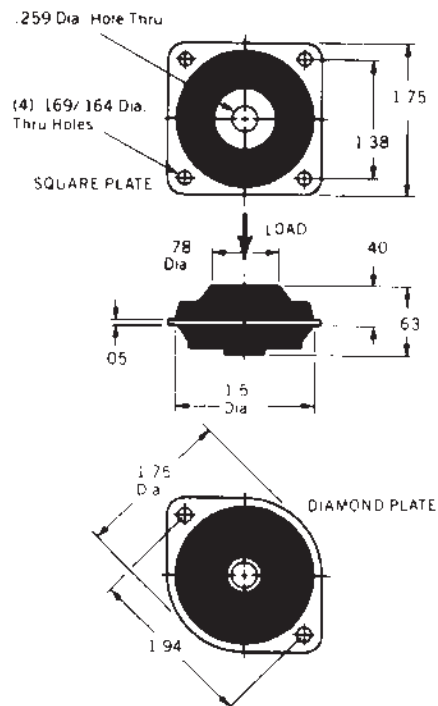
Environmental Data

- Hi-Damp Silicone is available as an elastomer option. Limits amplification at resonance to 4 or less. Operating temperature range is -67°F to +300°F (-55°C to +150°C).
- Neoprene version is standard and operational temperature range is -20°F to +180°F. Neoprene elastomer is resistant to oils and ozone (-55°C to +150°C).

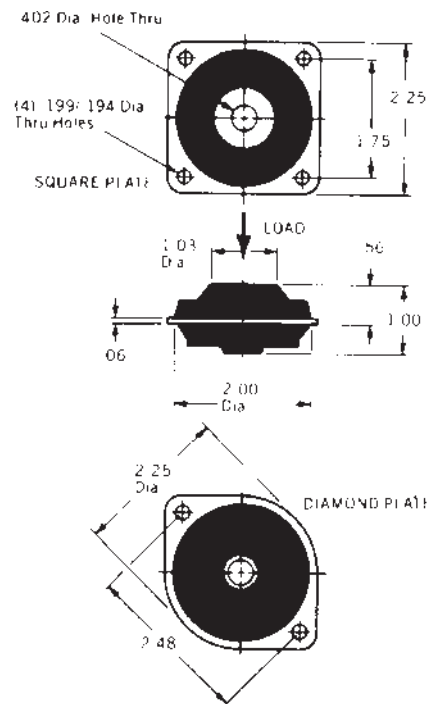
6820 Mount Series (6821/6822)

Dimensions & Load Ranges

6821 SERIES DIMENSIONAL DRAWING



6822 SERIES DIMENSIONAL DRAWING



LOAD RANGES - 6821 SERIES

Code	Min.	Norm.	Max.
-1	1.40	2.00	2.80
-2	2.50	4.00	5.50
-3	5.50	10.00	14.00

LOAD RANGES - 6822 SERIES

Code	Min.	Norm.	Max.
-1	14.00	20.00	28.00
-2	25.00	40.00	55.00
-3	40.00	60.00	80.00



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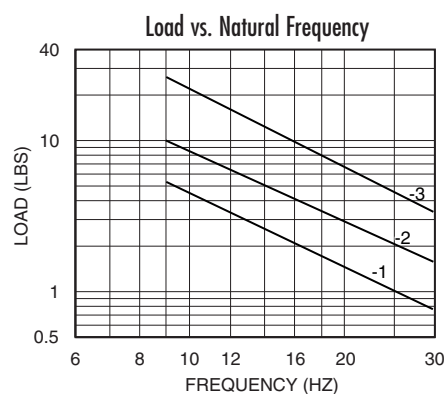
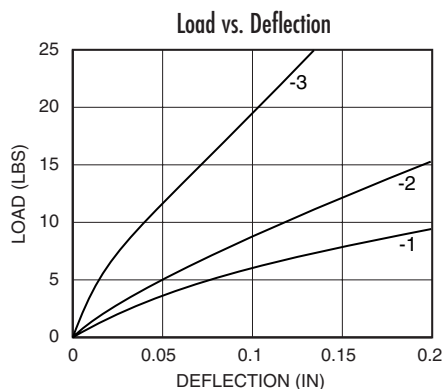
For technical, design, or application assistance, call toll free:

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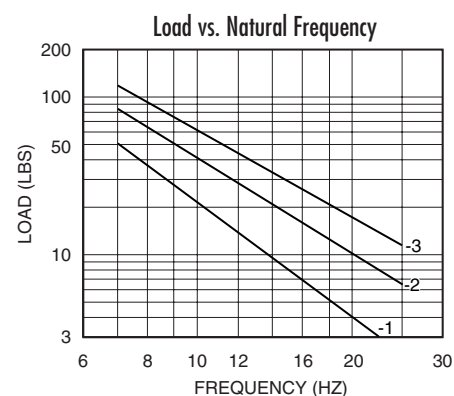
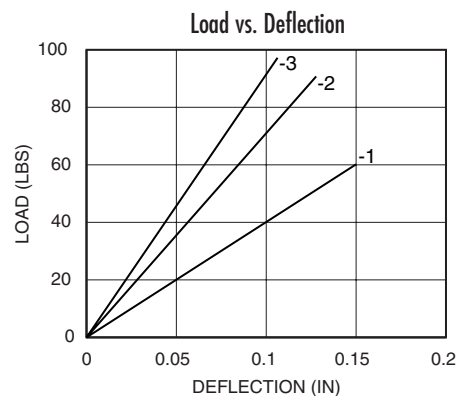
6820 Mount Series (6821/6822)

Performance Characteristics

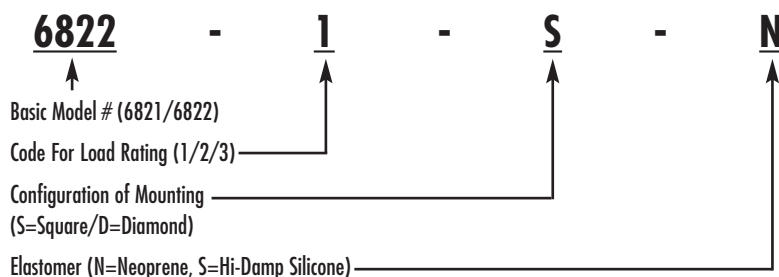
6821 Series Performance Data



6822 Series Performance Data



HOW TO ORDER 6820 ISOLATORS



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1-800-BARRY MA

BARRY CONTROLS MULTIAXIS MOUNTS

Features

- All attitude
- Low-cost
- Axial to radial stiffness of 1:1
- Compact, low-profile design
- Available in square or diamond shape

Benefits

- Provides low-frequency vibration isolation in all directions
- Compact size minimizes required mounting space
- Designed for a wide range of applications
- Easy to install

Load Range

- Load ratings from 1 to 16 lbs. per isolator at 3/16" deflection

Low-profile, economical mounts provide low-frequency vibration isolation in all directions



Barry Controls Multiaxis Mounts are designed for low-frequency vibration isolation. These all-attitude isolators provide effective vibration protection in all directions and are available in either square or diamond configurations. Snubbing washers provide an interlocking system of metal fasteners which act to prevent damage from overload or excessive shock impact.

Applications

- Oxygen Concentrators
- Small Pumps
- Electronic Equipment
- Medical Equipment
- Instruments
- Compressors

NATURAL FREQUENCY	7 Hertz Under Max. Load
TRANSMISSIBILITY AT RESONANCE	10
RESILIENT ELEMENT	Neoprene
STANDARD MATERIALS	Cold-rolled steel
WEIGHT	1 oz. (27481-S or 27481-D)

Environmental Data

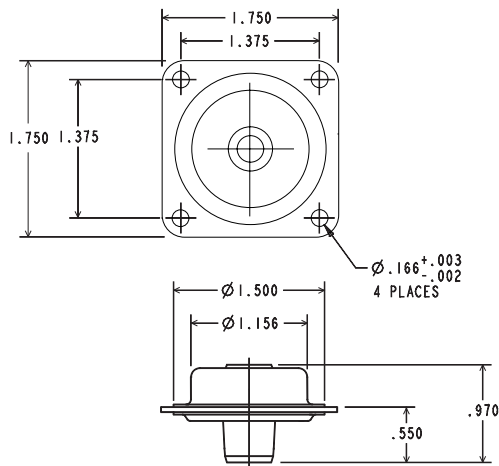
- Standard neoprene elastomer has an operating temperature range of -20°F to +180°F (-30°C to +180°C) and is resistant to oils, most solvents and ozone.

Multiaxis Mount Series

Dimensions & Performance Characteristics

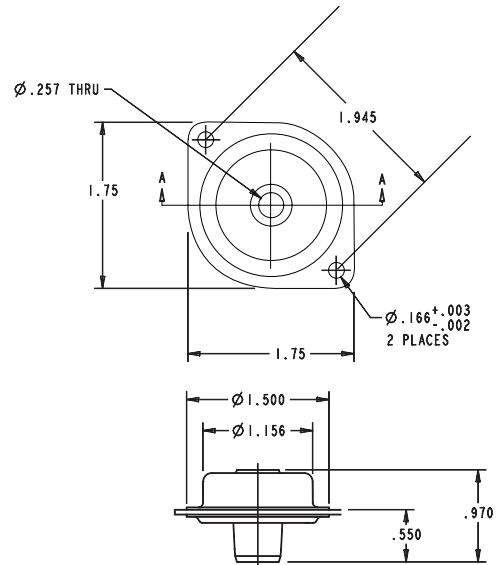
SERIES 27481-XS SERIES

Dimensional Drawing



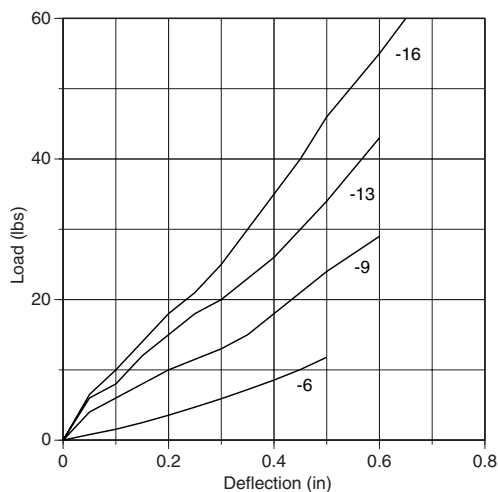
SERIES 27481-XD SERIES

Dimensional Drawing



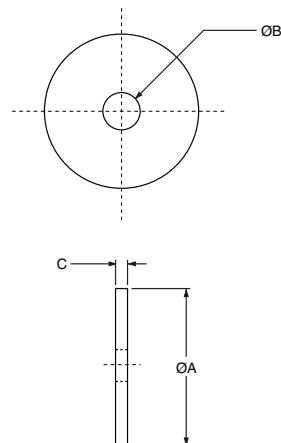
MULTIAXIS MOUNT SERIES

Load vs Deflection



MULTIAXIS MOUNT SERIES

Snubbing Washer



The use of snubbing washers is recommended to ensure proper static and dynamic loading of the isolator and retention of suspended equipment under severe shock environments.

Snubbing washers are ordered by separate part numbers as shown in the table below. The standard material is low-carbon steel and the standard finish is zinc plate. Other materials and finishes are available upon request.

Please consult with Barry Controls Applications Engineering at 1-800-Barry-MA for more information on the use of snubbing washers.

Part #	"A" Dia.	"B" Dia.	"C"
9810321	1.5"	.27"	.062"

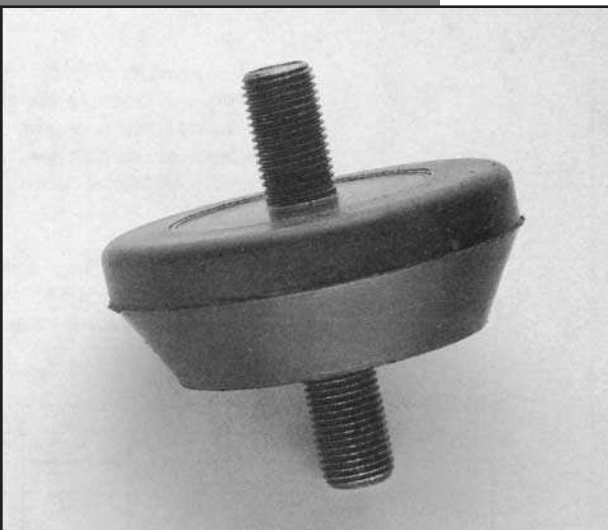
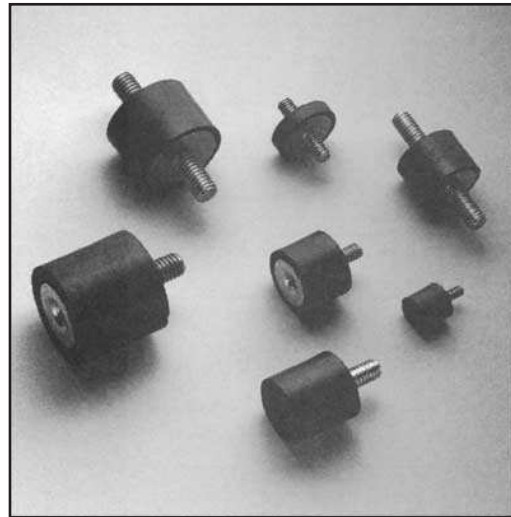
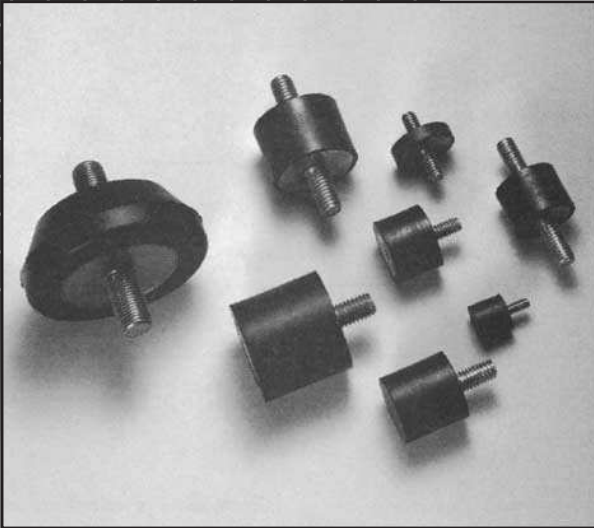


THE STEADY FORCE IN SHOCK & VIBRATION ISOLATION

Barry Controls

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Cylindrical Stud Mounts



- Double Stud (Male/Male) Series
- Stud Insert (Male/Female) Series
- Bumpers (Male Stud only) Series

CYLINDRICAL STUD MOUNT SERIES

Features

- Reduce transmitted vibration from rotating or reciprocating machinery
- Reduce transmission of structure-borne noise
- Available in a wide range of load ranges
- Sturdy, reliable construction

Benefits

- Economical
- Prevent shock and vibration damage to sensitive equipment

Load Range

- 3 styles with load ratings to 260 lbs. per isolator

Versatile, low-cost, lightweight stud type mounts for vibration, shock, noise control, and motion accommodation.



Barry Stud Mounts are designed to support loads up to 260 lbs. per mount in compression and up to 70 lbs. in shear. Their simple design and sturdy construction permit their use in a wide variety of industrial applications. Available in 3 styles: (1) Double stud, (2) Stud/Insert, (3) Bumpers.

Applications

- Fans
- Appliances
- HVAC equipment
- Electronic equipment
- Pumps, relays & control panels
- Blowers
- Bumpers

NATURAL FREQUENCY	7-28 Hertz
TRANSMISSIBILITY AT RESONANCE	8:1
RESILIENT ELEMENT	Neoprene & Natural Rubber
STANDARD MATERIALS	Low carbon steel

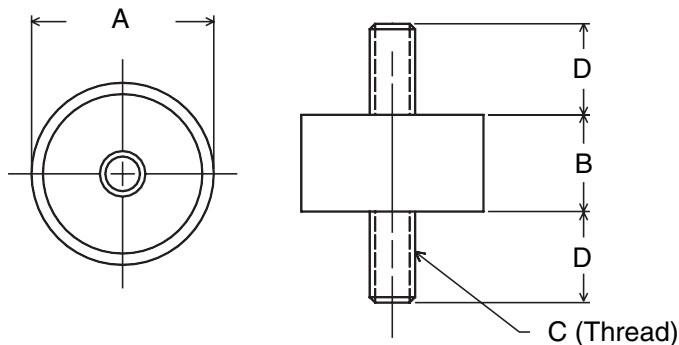
Environmental Data

- Neoprene elastomer has an operating temperature range of -40°C to +93°C and is resistant to oils, most solvents and ozone.
- Natural Rubber elastomer has an operating temperature range of -30°C to +70°C.
- Other materials are available on special order to meet specific operating characteristics.

Cylindrical Stud Mounts: Double Stud (Male/Male) Series

Dimensions

Double Stud (Male/Male) Series
Dimensional Drawing (Inches)



Part #	A	B	C	D	Compression		Shear		Material
					Max. Load (lbs.)	Natural Frequency (Hz)	Max. Load (lbs.)	Natural Frequency (Hz)	
A76-041	0.250	0.280	#4-40	0.190	1.0	9.0	2.0	8.0	Natural Rubber
A88-041	0.375	0.625	#8-32	0.375	2.0	20.0	5.0	18.0	Natural Rubber
A00-051	0.438	0.500	#8-32	0.375	10.3	14.0	5.5	10.0	Natural Rubber
A00-031	0.438	0.500	#8-32	0.375	4.8	14.0	2.5	9.0	Natural Rubber
A07-041	0.438	0.438	#6-32	0.250	4.0	13.5	1.0	12.0	Natural Rubber
A07-042	0.438	0.438	#8-32	0.250	4.0	13.5	1.0	12.0	Natural Rubber
A10-041	0.563	0.500	#8-32	0.375	14.0	12.5	7.0	11.0	Natural Rubber
A10-042	0.563	0.500	#10-32	0.375	14.0	12.5	7.0	11.0	Natural Rubber
A98-041	0.750	0.625	#10-32	0.375	18.0	11.0	3.0	9.5	Natural Rubber
A25-041	1.000	0.250	0.250-20	0.500	60.0	25.0	15.0	28.0	Natural Rubber
A20-041	1.000	0.500	0.250-20	0.750	60.0	14.0	20.0	10.0	Natural Rubber
A21-141	1.000	0.531	0.250-20	0.500	55.0	13.0	23.0	7.5	Neoprene
A22-071	1.000	0.750	0.250-20	0.625	90.0	14.0	50.0	10.0	Natural Rubber
A22-041	1.000	0.750	0.250-20	0.750	40.0	11.0	10.0	13.0	Natural Rubber
A22-141	1.000	0.750	0.250-20	0.500	50.0	10.0	14.0	7.5	Neoprene
A22-131	1.000	0.750	0.250-20	0.500	44.0	10.0	11.5	7.5	Neoprene
A22-062	1.000	0.750	0.312-18	0.750	70.0	12.0	35.0	10.0	Natural Rubber
A22-142	1.000	0.750	0.312-18	0.562	50.0	10.0	14.0	7.5	Neoprene
A22-053	1.000	0.750	6mm	0.500	60.0	10.0	33.0	8.0	Natural Rubber
A23-042	1.000	1.000	0.250-20	0.750	35.0	9.0	8.0	8.0	Natural Rubber
A23-041	1.000	1.000	0.312-18	0.625	35.0	9.0	8.0	8.0	Natural Rubber
A23-141	1.000	1.000	0.312-18	0.562	35.0	10.0	12.0	7.5	Neoprene
A32-151	1.250	0.750	0.312-18	0.562	98.0	10.0	31.0	7.5	Neoprene
A34-141	1.250	1.250	0.312-18	0.562	76.0	10.0	13.5	7.5	Neoprene
A43-042	1.375	1.000	0.375-16	0.750	70.0	12.0	40.0	9.0	Natural Rubber
A43-151	1.375	1.000	0.312-18	0.562	96.0	10.0	32.0	7.5	Neoprene
A53-061	1.500	1.000	0.375-16	1.000	150.0	9.0	40.0	6.5	Natural Rubber



Dimensions and data are subject to change without notice.

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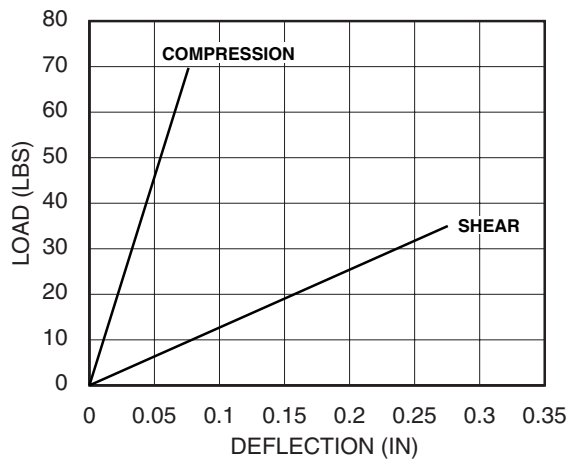
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Cylindrical Stud Mounts: Double Stud (Male/Male) Series

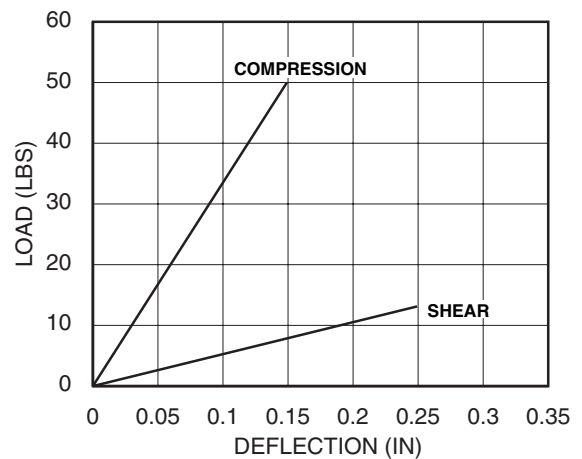
Performance Characteristics

A21-141 Load vs Deflection



Static Load (lbs.)	Natural Frequency (Hertz)
IN SHEAR	
23.0	7.5
18.5	8.0
12.5	10.0
9.5	12.0
7.0	13.0
4.0	17.0
3.0	20.0
IN COMPRESSION	
55.0	13.0
32.5	17.0
10.0	20.0

A23-141 Load vs Deflection



Static Load (lbs.)	Natural Frequency (Hertz)
IN SHEAR	
12.0	7.0
10.5	7.5
8.5	8.0
5.7	10.0
4.5	12.0
3.5	13.0
2.3	17.0
1.0	20.0
IN COMPRESSION	
35.0	10.0
20.0	12.0
15.0	13.0
9.5	17.0
7.0	20.0



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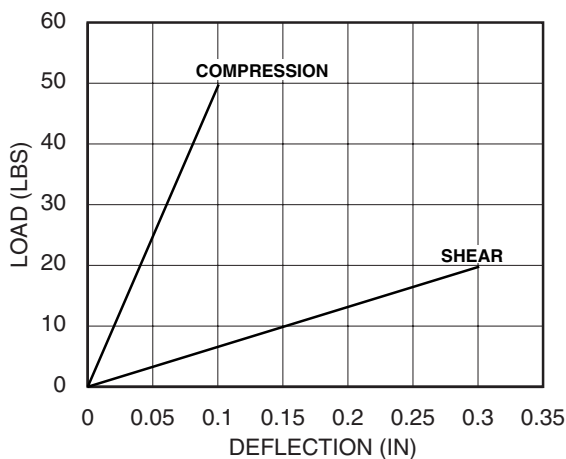
For technical, design, or application assistance, call toll free:

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Cylindrical Stud Mounts: Double Stud (Male/Male) Series

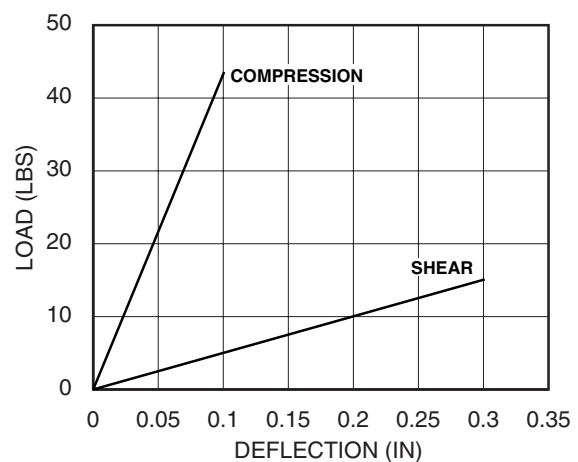
Performance Characteristics

A22-142 Load vs Deflection



Static Load (lbs.)	Natural Frequency (Hertz)
IN SHEAR	
14.0	7.0
10.0	9.0
6.0	14.0
2.0	22.0
IN COMPRESSION	
50.0	10.0
40.0	11.0
30.0	12.5
20.0	15.5
10.0	21.0

A22-131 Load vs Deflection



Static Load (lbs.)	Natural Frequency (Hertz)
IN SHEAR	
11.5	7.5
7.2	8.0
6.0	10.0
4.5	12.0
3.3	13.0
2.0	17.0
1.5	20.0
IN COMPRESSION	
44.0	10.0
31.5	12.0
23.0	13.0
14.5	17.0
10.0	20.0



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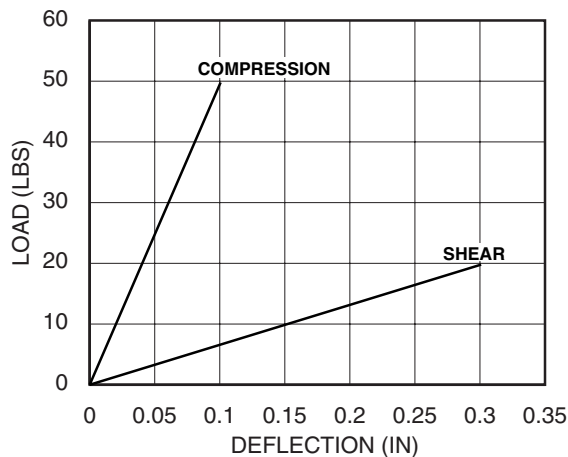
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Cylindrical Stud Mounts: Double Stud (Male/Male) Series

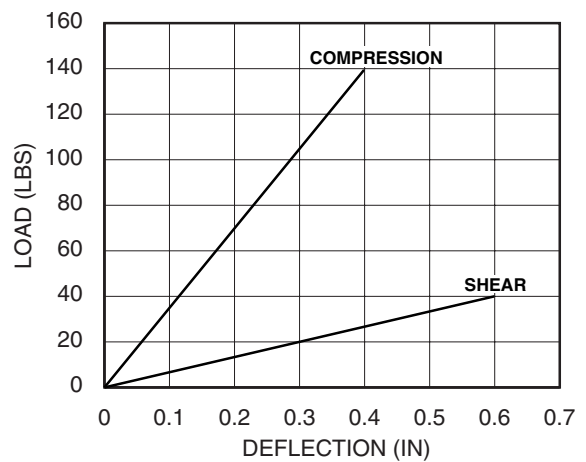
Performance Characteristics

A22-141 Load vs Deflection



Static Load (lbs.)	Natural Frequency (Hertz)
IN SHEAR	
14.5	7.5
11.5	8.0
8.0	10.0
5.7	12.0
4.5	13.0
3.0	
2.0	20.0
IN COMPRESSION	
50.0	10.0
35.5	12.0
25.5	13.0
16.5	17.0
12.5	20.0

A34-141 Load vs Deflection



Static Load (lbs.)	Natural Frequency (Hertz)
IN SHEAR	
13.5	7.5
10.0	8.0
8.0	10.0
6.0	12.0
4.0	13.0
3.0	17.0
2.0	20.0
IN COMPRESSION	
76.0	8.0
42.0	10.0
31.0	12.0
23.0	13.0
15.0	17.0
10.0	20.0



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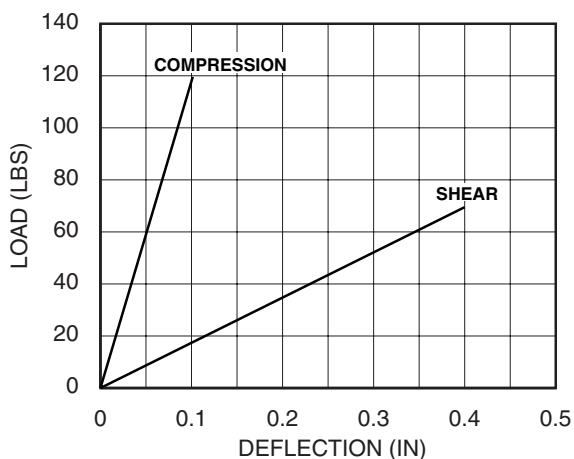
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Cylindrical Stud Mounts: Double Stud (Male/Male) Series

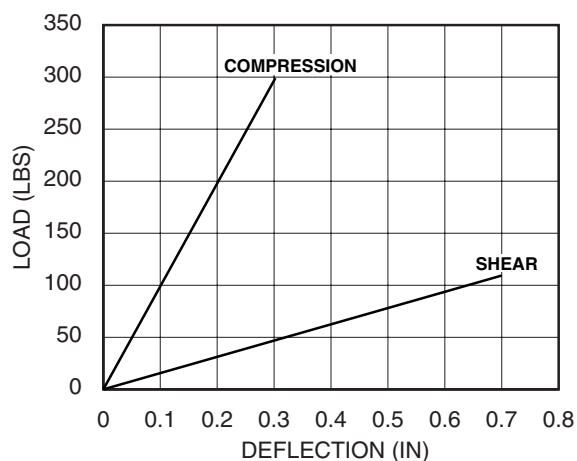
Performance Characteristics

A32-151 Load vs Deflection



Static Load (lbs.)	Natural Frequency (Hertz)
IN SHEAR	
31.0	7.5
24.0	8.0
16.5	10.0
12.0	12.0
9.0	13.0
6.0	17.0
5.0	20.0
IN COMPRESSION	
98.0	10.0
68.0	12.0
50.0	13.0
30.0	17.0
20.0	20.0

A43-151 Load vs Deflection



Static Load (lbs.)	Natural Frequency (Hertz)
IN SHEAR	
32.0	7.5
24.0	8.0
16.0	10.0
12.0	12.0
10.0	13.0
6.0	17.0
4.0	20.0
IN COMPRESSION	
96.0	10.0
68.0	12.0
48.0	13.0
32.0	17.0
24.0	20.0



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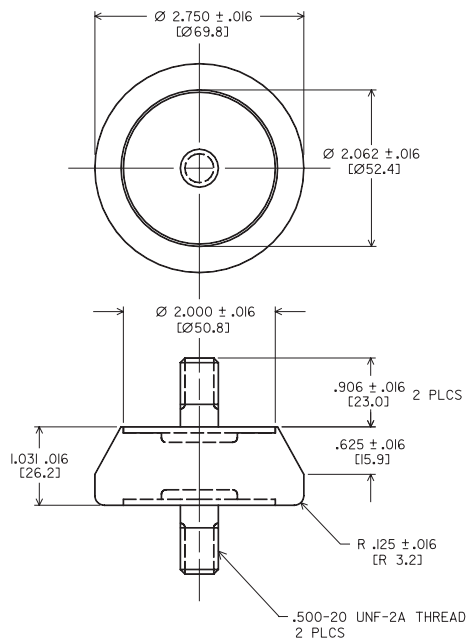
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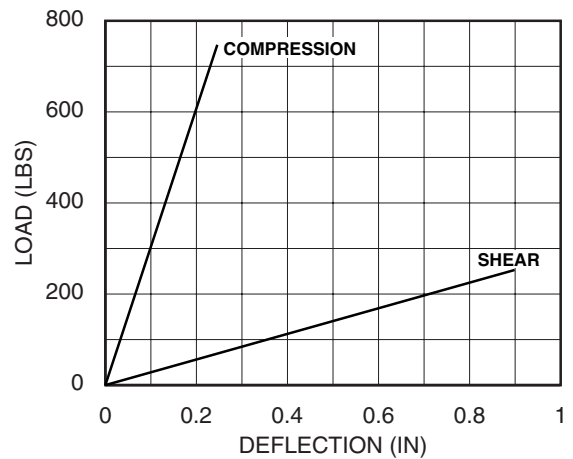
Double Stud (Male/Male) Series (G05-141)

Performance Characteristics

G05-141 CYLINDRICAL STUD MOUNT
Dimensional Drawing



G05-141 Load vs Deflection



Static Load (lbs.) IN SHEAR	Natural Frequency (Hertz)
70.0	6.0
60.0	7.5
45.0	8.0
35.0	10.0
30.0	12.0
19.0	13.0
17.0	17.0
9.0	20.0
IN COMPRESSION	
260.0	10.0
190.0	12.0
140.0	13.0
90.0	17.0
60.0	20.0
24.0	20.0



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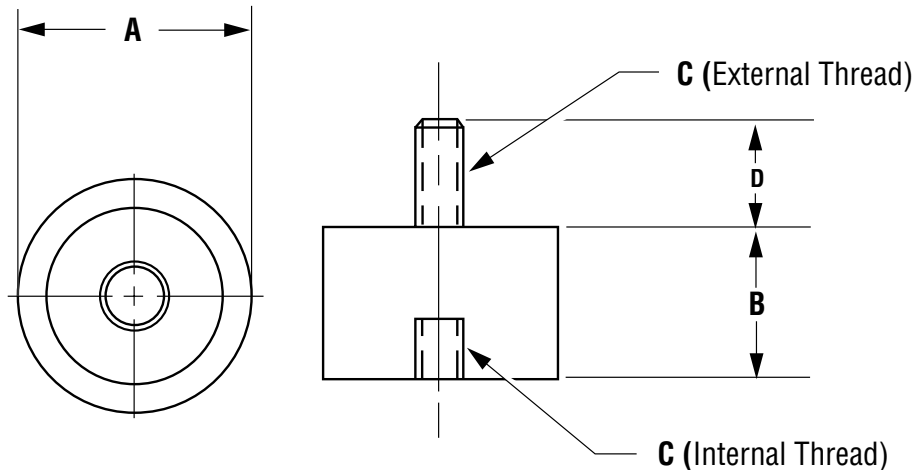
1-800-BARRY MA

Stud Mounts: Stud/Insert (Male/Female) Series

Performance Characteristics

STUD/INSERT (MALE/FEMALE) SERIES

Dimensional Drawing (Inches)



Part #	A	B	C	D	Compression		Shear		Material
					Max. Load (lbs.)	Natural Frequency (Hz)	Max. Load (lbs.)	Natural Frequency (Hz)	
27052-01	0.438	0.438	#6-32	0.250	4.0	13.5	1.0	12.0	Natural Rubber
27052-02	0.438	0.438	#8-32	0.250	4.0	13.5	1.0	12.0	Natural Rubber
27052-07	0.563	0.500	#10-32	0.375	8.0	19.0	2.0	20.0	Natural Rubber
27052-04	0.563	0.500	#8-32	0.250	14.0	12.5	8.0	11.0	Natural Rubber
27052-08	0.563	0.500	#8-32	0.250	25.0	13.0	12.0	12.0	Natural Rubber
27052-06	0.750	0.625	#10-32	0.375	18.0	11.0	3.0	9.5	Natural Rubber
27052-09	1.000	0.750	0.250-20	0.500	40.0	9.5	12.0	10.0	Natural Rubber
27052-10	1.000	0.750	0.250-20	0.500	95.0	13.0	40.0	10.0	Natural Rubber
27052-11	1.000	0.750	0.250-20	0.500	60.0	13.0	33.0	10.0	Natural Rubber
27052-05	1.000	1.000	0.250-20	0.500	35.0	9.0	10.0	8.0	Natural Rubber
27052-12	1.000	1.000	0.312-18	0.500	35.0	12.0	10.0	10.0	Natural Rubber
27052-03	1.250	1.000	0.312-18	0.625	50.0	9.0	12.0	7.0	Natural Rubber
27052-13	1.500	1.375	0.375-16	0.625	75.0	10.0	15.0	12.0	Natural Rubber
27052-14	1.500	1.375	0.375-16	0.625	100.0	10.0	20.0	12.0	Natural Rubber



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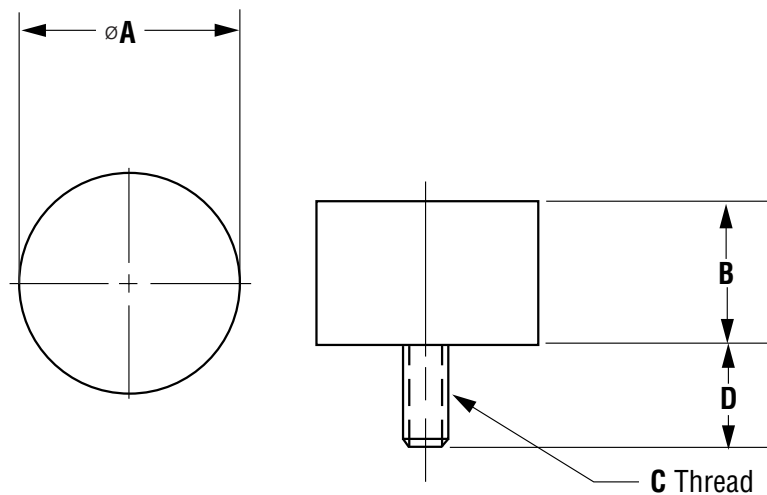
For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Cylindrical Stud Mounts: Bumpers (Male Stud only) Series

Dimensions & Performance Characteristics

BUMPERS (MALE STUD ONLY) SERIES
Dimensional Drawing (Inches)



Part #	A	B	C	D	Max. Load (lbs.) Compression	Material
27051-03	0.438	0.438	#6-32	0.250	3.0	Natural Rubber
27051-04	0.563	0.500	#8-32	0.375	6.0	Natural Rubber
27051-05	0.750	0.625	#10-32	0.375	15.0	Natural Rubber
27051-02	1.000	0.375	0.312-18	1.250	40.0	Natural Rubber
27051-06	1.000	0.375	0.312-18	0.625	45.0	Natural Rubber
27051-07	1.000	0.625	0.312-18	0.625	48.0	Natural Rubber
27051-08	1.000	0.750	0.250-20	0.500	35.0	Natural Rubber
27051-01	1.000	1.000	0.312-18	0.625	40.0	Natural Rubber
27051-09	1.250	0.750	0.312-18	0.625	50.0	Natural Rubber
27051-10	1.500	1.000	0.312-18	0.625	100.0	Natural Rubber
27051-11	1.500	1.000	0.375-16	0.625	100.0	Natural Rubber



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All Elastomer Isolators



- Ring & Bushing Isolators
- Ball Mounts



RING & BUSHING MOUNT SERIES

Features

- Can be installed in parallel or series for greater load capacity
- Ribbed protrusions act as load bearing members
- Available in four stiffnesses (-030, -040, -050 and -060)
- Designed for base mounting

Benefits

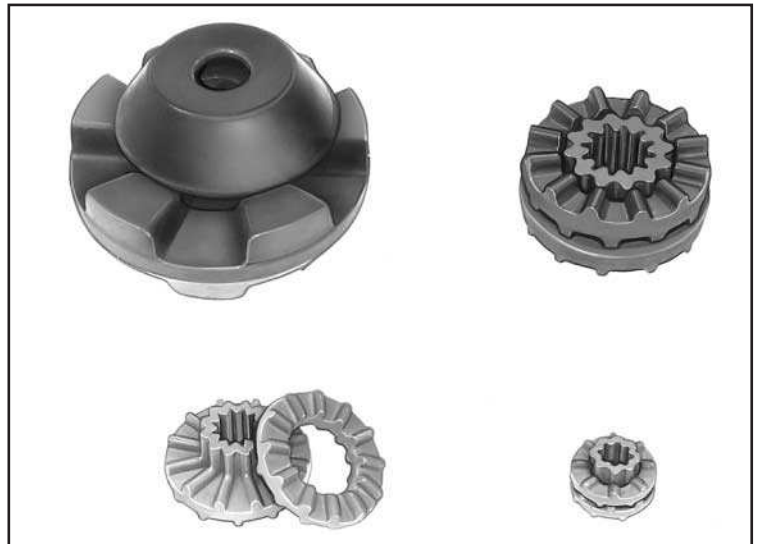
- Highly efficient noise reduction
- Absorb vibration and shock perpendicular to mounting axis
- WB4 bushings have radial fingers on one surface only to act as rebound (shock absorbing) members

Load Range

- WR1/WB1 = 4 load ratings to 12 lbs. per isolator
- WR3/WB3 = 4 load ratings to 35 lbs. per isolator
- WR4/WB4 = 4 load ratings to 75 lbs. per isolator
- WR6/WB6 = 4 load ratings to 350 lbs. per isolator



Versatile, low cost elastomeric isolators protect against shock and vibration and reduce structure borne noise.



Barry Ring & Bushing Isolators consist of an elastomeric ring and elastomeric bushing and are designed to be directly incorporated into the structural components of the equipment to be mounted. Any number of these isolators can be installed in parallel for greater load capacity and may be stacked in series when greater deflection capacity is required.

Applications

- Office machines
- Motors
- Fans & blowers
- HVAC equipment
- Electronics equipment
- Telecommunications equipment

NATURAL FREQUENCY	See tables
TRANSMISSIBILITY AT RESONANCE	10:1
RESILIENT ELEMENT	Natural rubber
STANDARD MATERIALS	None
WEIGHT	WB6 = 3.37 oz. (All other WR/WB parts weigh less than 1.0 oz.)

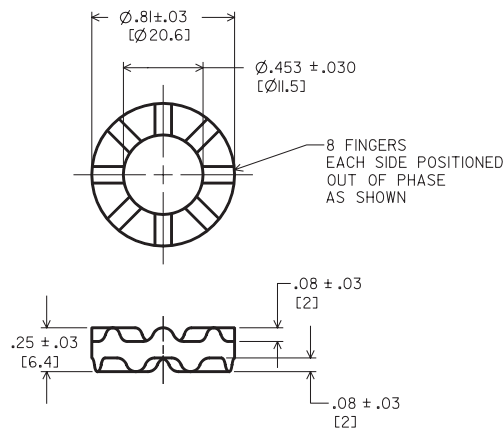
Environmental Data

- Natural rubber elastomer is compatible with most industrial and commercial environments and has an operating temperature range of -40°F to +180°F (-40°C to +83°C).
- Special materials are available upon special order.

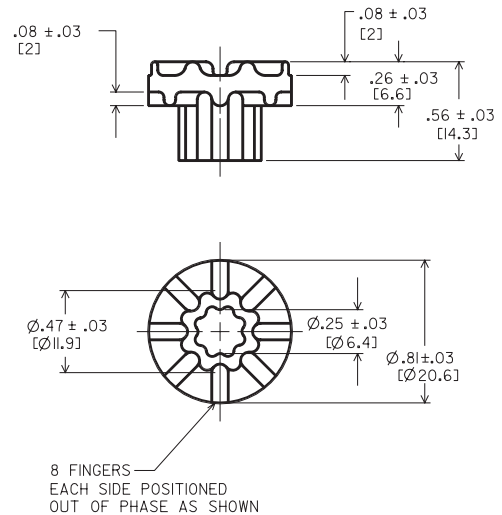
Ring & Bushing Mount Series (WR-1/WB-1)

Dimensions & Performance Characteristics

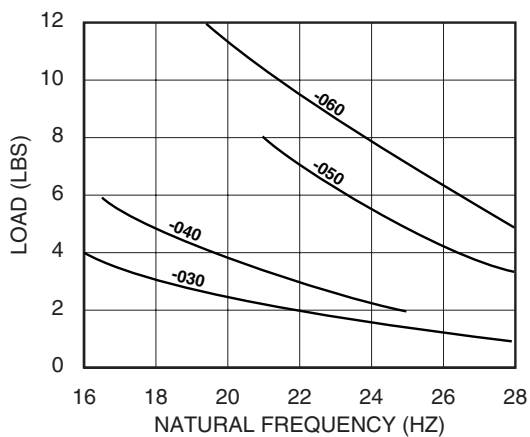
WR-1 (Ring)



WB-1 (Bushing)



WR-1 Series Load vs Natural Frequency



RECOMMENDED LOAD LIMITS FOR RING & BUSHING ASSEMBLY

Assembly	Min. Load	Max. Load
WR1-030/WB1-030	1 lb.	4 lbs.
WR1-040/WB1-040	2 lbs.	6 lbs.
WR1-050/WB1-050	3 lbs.	8 lbs.
WR1-060/WB1-060	5 lbs.	12 lbs.



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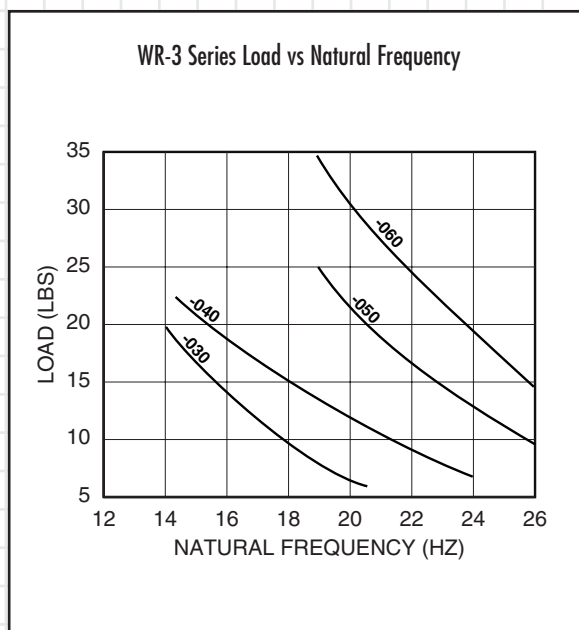
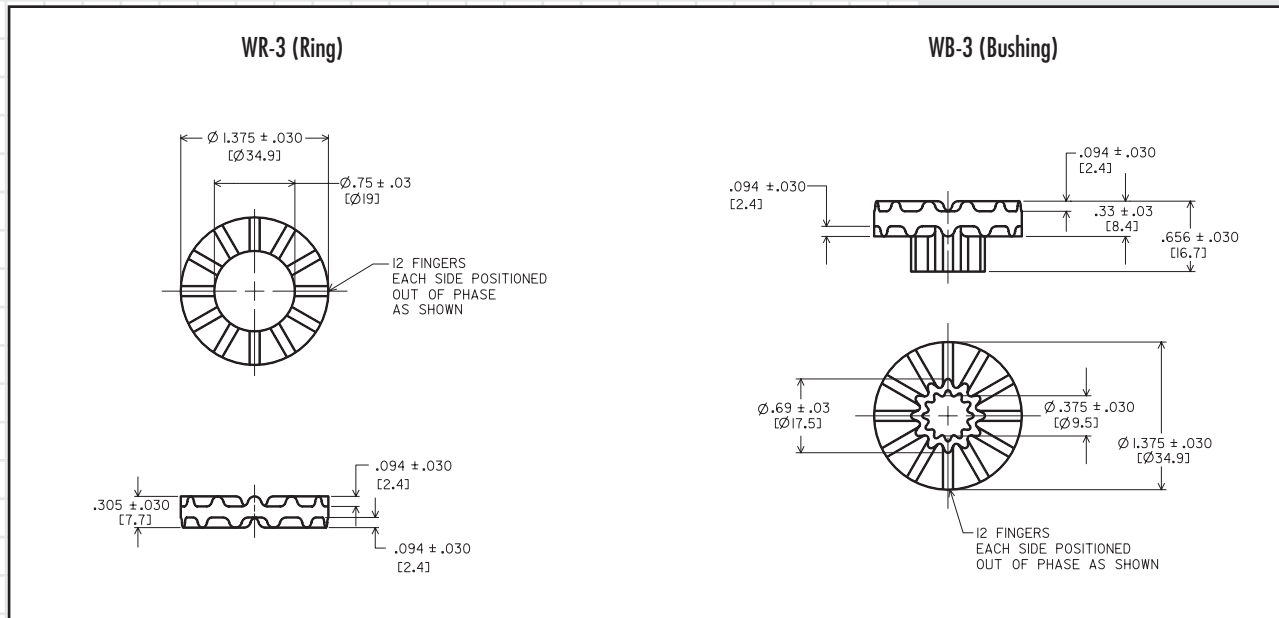
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1-800-BARRY MA

Ring & Bushing Mount Series (WR-3/WB-3)

Dimensions & Performance Characteristics



RECOMMENDED LOAD LIMITS FOR RING & BUSHING ASSEMBLY		
Assembly	Min. Load	Max. Load
WR3-030/WB3-030	6 lb.	20 lbs.
WR3-040/WB3-040	7 lbs.	23 lbs.
WR3-050/WB3-050	10 lbs.	25 lbs.
WR3-060/WB3-060	15 lbs.	35 lbs.



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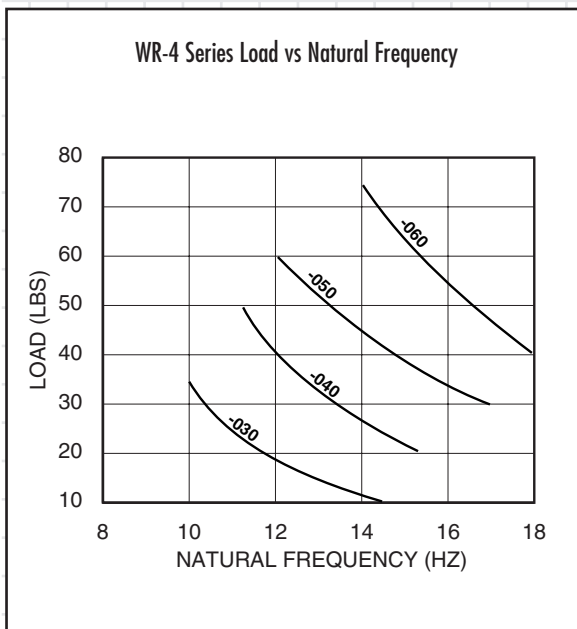
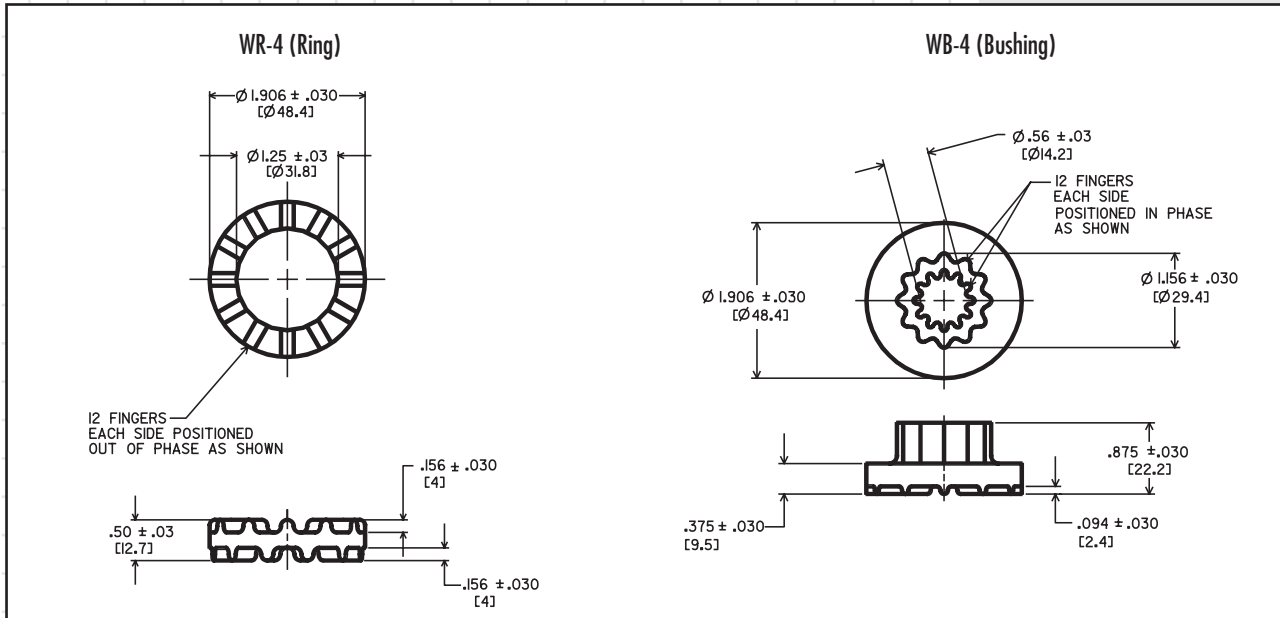
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Ring & Bushing Mount Series (WR-4/WB-4)

Dimensions & Performance Characteristics



RECOMMENDED LOAD LIMITS FOR RING & BUSHING ASSEMBLY		
Assembly	Min. Load	Max. Load
WR4-030/WB4-030	10 lbs.	35 lbs.
WR4-040/WB4-040	20 lbs.	50 lbs.
WR4-050/WB4-050	30 lbs.	60 lbs.
WR4-060/WB4-060	40 lbs.	75 lbs.



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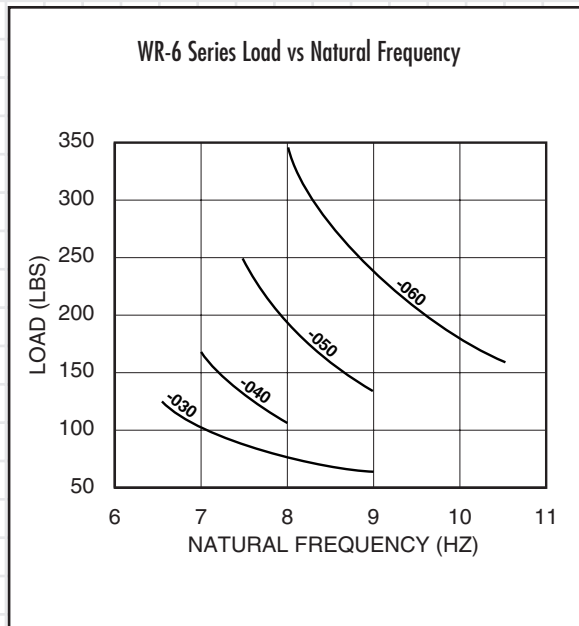
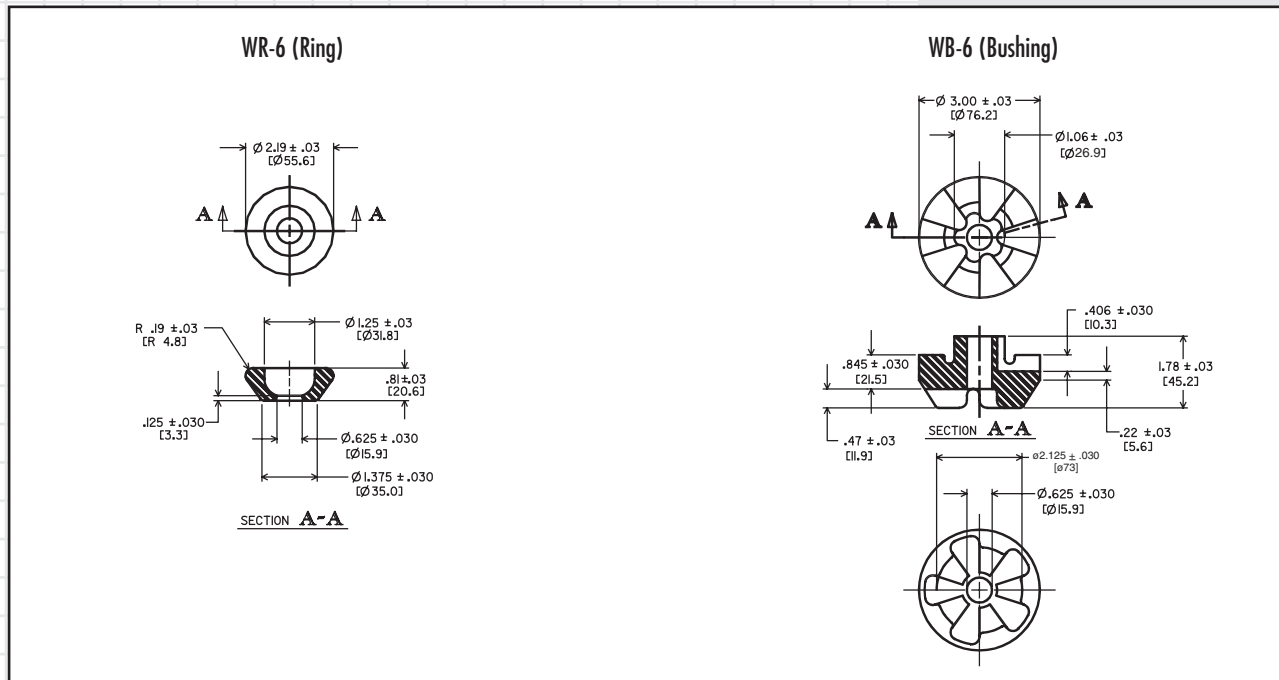
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For technical, design, or application assistance, call toll free:

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Ring & Bushing Mount Series (WR-6/WB-6)

Dimensions & Performance Characteristics



RECOMMENDED LOAD LIMITS FOR RING & BUSHING ASSEMBLY		
Assembly	Min. Load	Max. Load
WR6-030/WB6-030	60 lb.	120 lbs.
WR6-040/WB6-040	110 lbs.	160 lbs.
WR6-050/WB6-050	135 lbs.	250 lbs.
WR6-060/WB6-060	160 lbs.	350 lbs.



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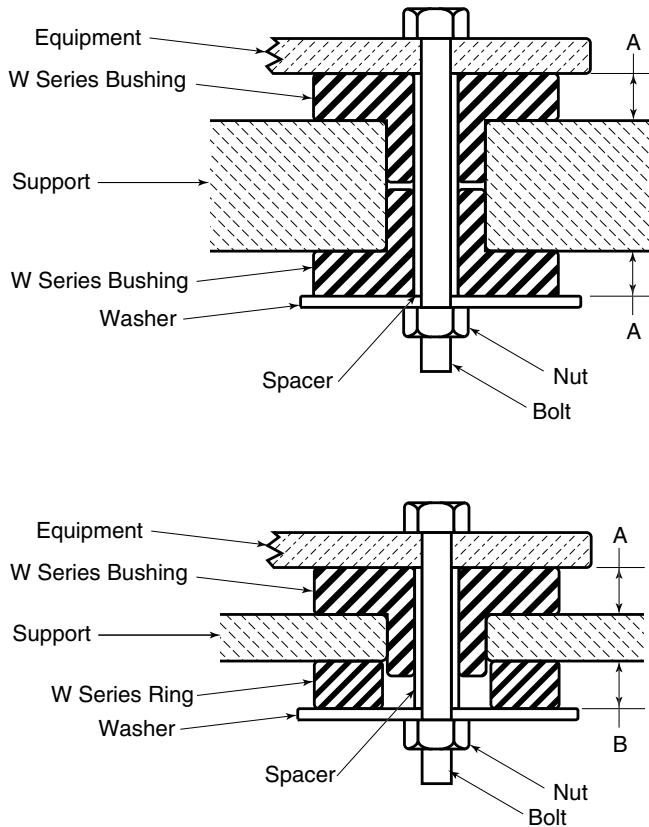
For technical, design, or application assistance, call toll free:

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Ring & Bushing Mount Series

Installation Data & Specifications

TYPICAL INSTALLATION - RING & BUSHING



Installed Dimensions

	A	B
WR1	-	.23
WB1	.23	-
WR3	-	.30
WB3	.30	-
WR4	-	.45
WB4	.33	-
WR6	-	.75
WB6	1.25	-



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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

BALL MOUNT SERIES

Features

- All elastomer isolators
- Fail-safe when installed with ordinary nuts & washers
- Wide load range ratings
- Offer a wide variety of installation options

Benefits

- Provide low frequency vibration isolation
- Effective noise isolators
- Will not bottom out under light shock loadings

Load Range

- Series 7110 = 3 load ratings to 2 lbs. per isolator
- Series 275 = 5 load ratings to 3.2 lbs. per isolator
- Series 302 and 372 = 4 load ratings to 9 lbs. per isolator



Low cost, compact, all elastomer mounts for vibration and noise control.



Barry Ball Mount Series Isolators are miniature, low-cost isolators that provide medium natural frequency vibration isolation for precision equipment, electronics and office equipment.

Applications

- Electromechanical equipment
- Medical equipment
- Appliances
- Office equipment
- Other precision applications

NATURAL FREQUENCY	10-20 Hertz
TRANSMISSIBILITY AT RESONANCE	10 (Neoprene)/4.0 (Silicone)
RESILIENT ELEMENT	Neoprene or Hi-damp silicone
STANDARD MATERIALS	None
WEIGHT	See load range table

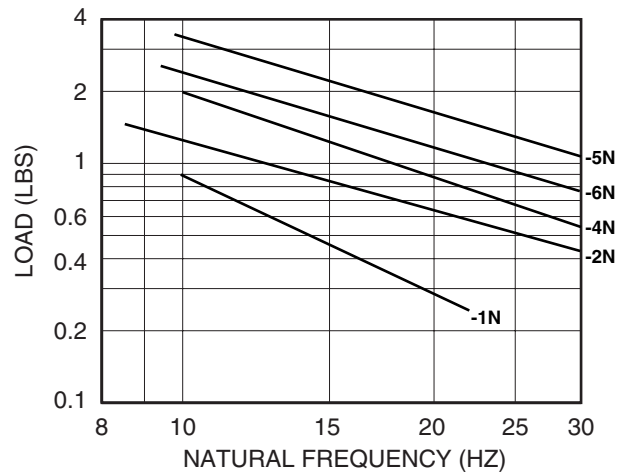
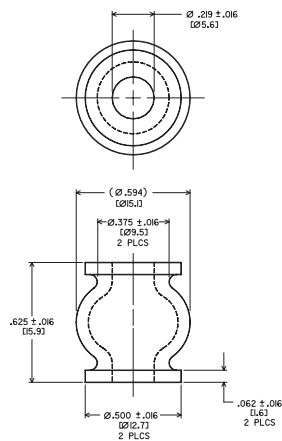
Environmental Data

- Neoprene elastomer has an operating temperature range of -40°F to +180°F (-40°C to +83°C) and is resistant to oil and ozone.
- Silicone elastomer has an operating temperature range of -67°F to +300°F (-55°C to +150°C).

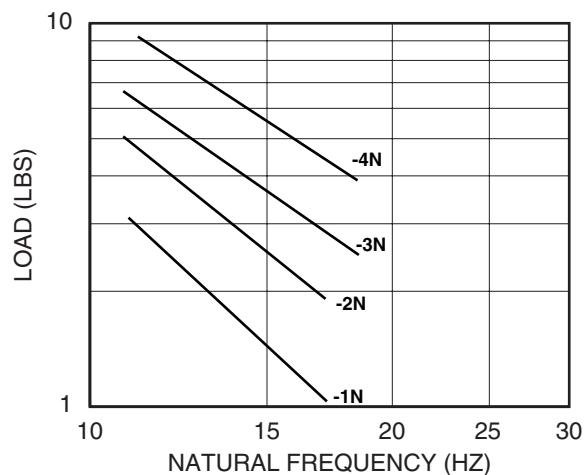
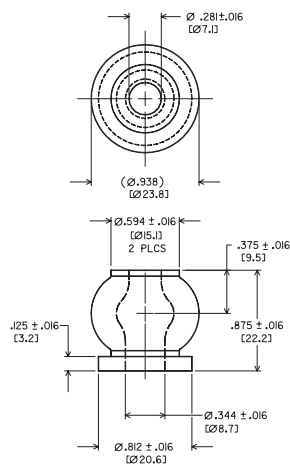
Ball Mount Series (275/372)

Dimensions & Performance Characteristics

275 Series Dimensional Drawing



372 Series Dimensional Drawing



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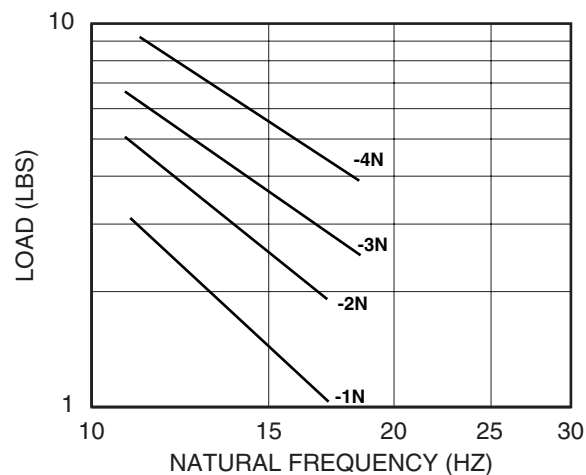
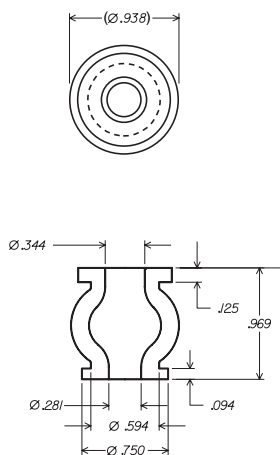
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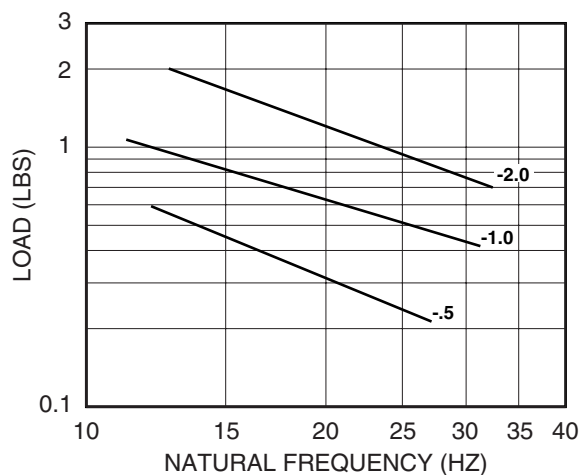
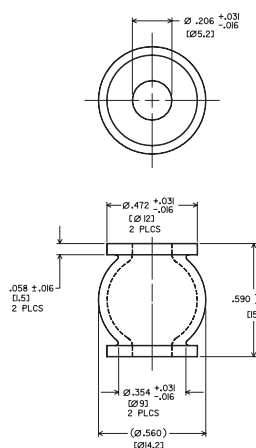
Ball Mount Series (302/7110)

Dimensions & Performance Characteristics

302 Series Dimensional Drawing



7110 Series Dimensional Drawing



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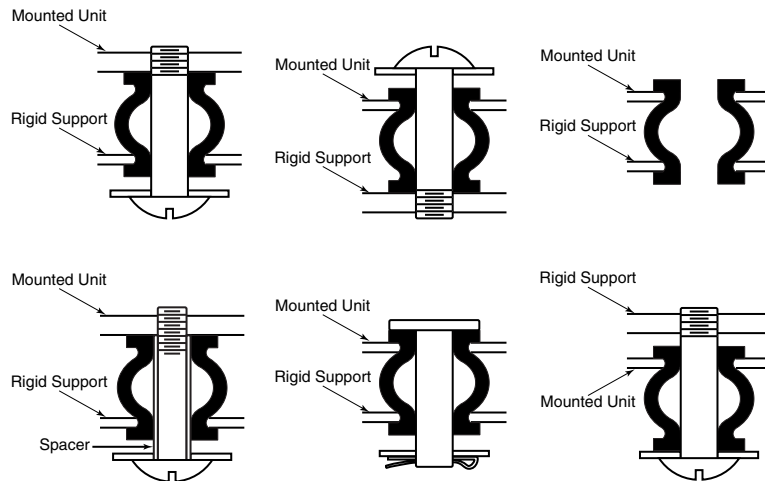
For technical, design, or application assistance, call toll free:

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Ball Mount Series

Installation Data & Load Range Specifications

TYPICAL INSTALLATION - BALL MOUNT



BALL MOUNT SERIES LOAD RANGES AND SPECIFICATIONS

Elastomer	Catalog No.	Color Code	Static Load Range/ Mount (lbs)	Horiz. to Vert. Stiffness Ratio	Wt. (ozs.) Approx.
Neoprene	275-1N	Orange & White	0.4-0.7	0.35 (Approx.)	0.1
	275-2N	Red & White	0.6-1.2		
	275-4N	Yellow & White	0.8-1.6		
	275-5N	Green & White	1.3-2.6		
	275-6N	Blue & White	1.6-3.2		
Neoprene	302-1N 372-1N	Yellow & White	1.3-3.5	0.25 (Approx.)	0.5
Neoprene	302-2N 372-2N	Purple & White	2.3-4.5		
Neoprene	302-3N 372-3N	Green & White	3.0-6.0		
Neoprene	302-4N 372-4N	Blue & White	4.5-9.0		
Silicone	7110-0.5	Red	0.3-0.5	0.35	0.1
	7110-1.0	Blue	0.5-1.0	0.35	0.1
	7110-2.0	Orange	1.0-2.0	0.35	0.1



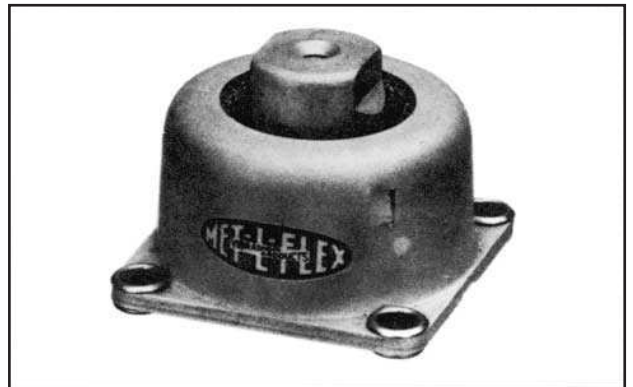
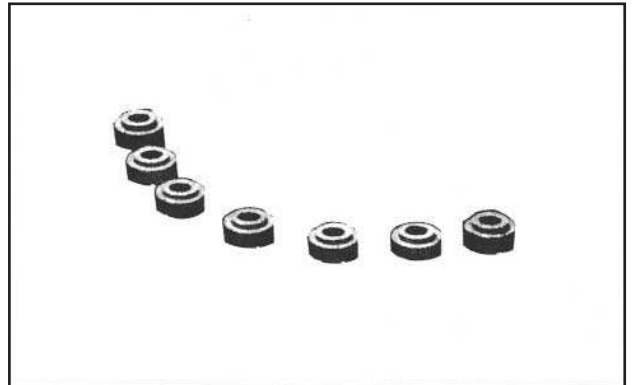
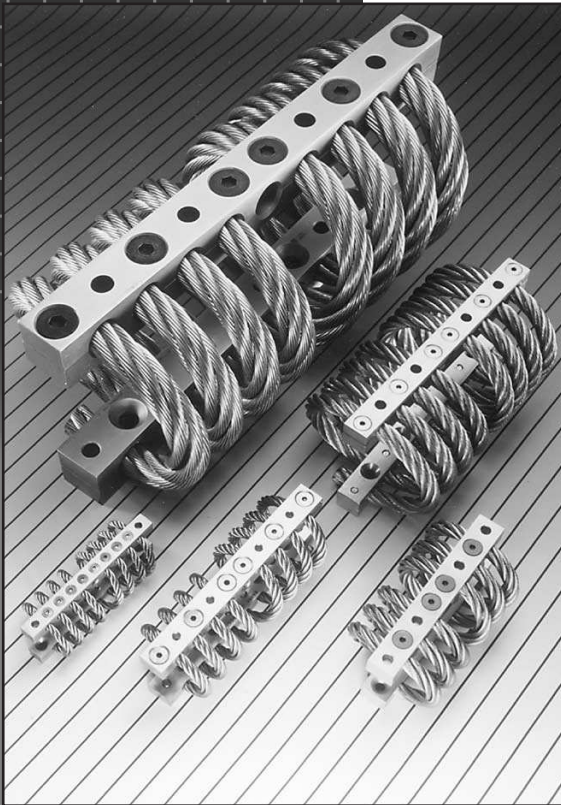
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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Metal & Mesh Mounts



- 1200 Series
- MET-L-FLEX Bushings
- 9300 Series Mounts
- Cablemount Series

1200 MOUNT SERIES (1201/1202)

Features

- Axial to radial stiffness of 3:1
- Rugged, reliable construction
- Stainless steel cushions
- Vertical natural frequency of 10 Hertz

Benefits

- Isolators are not effected by oil, dust, water, ozone or atmospheric pressure
- High damping characteristics

Load Range

- 1201 Series = 3 load ratings to 10 lbs. per mount
- 1202 Series = 4 load ratings to 40 lbs./mount

Small, lightweight unit isolators for airborne, vehicular and industrial applications.



The high damping and nonlinear characteristics of MET-L-FLEX load carrying element and limiter pads in the all metal 1201 and 1202 Series Isolators assure controlled shock and vibration isolation protection for mounted equipment.

Applications

- Electronic, pneumatic and hydraulic devices
- Vehicular mounted equipment
- Industrial & military packaging
- Shipboard electronics
- Communications equipment

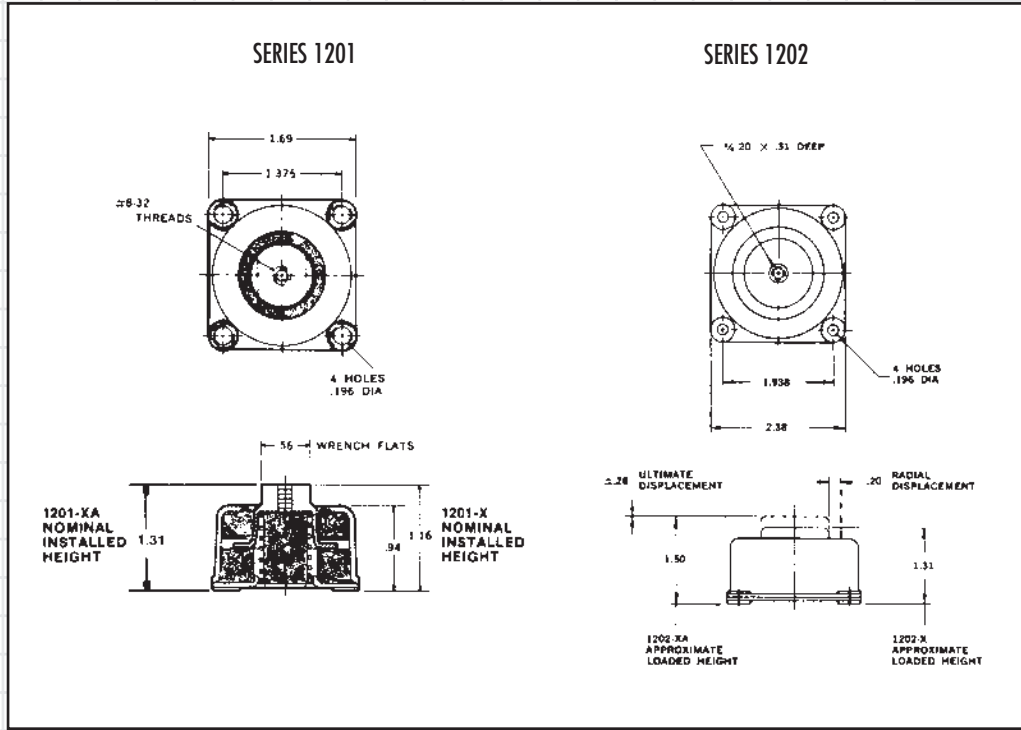
NATURAL FREQUENCY	15-20 Hertz
TRANSMISSIBILITY AT RESONANCE	3.0-4.0
RESILIENT ELEMENT	Metal Mesh
STANDARD MATERIALS	Aluminum
WEIGHT	1201 = 1.5 oz. 1202 = 4.2 oz.

Environmental Data

- Operating temperature ranges of -130°F to +375°F.
- Applicable to military standards.
- Resistant to dust, oils, oil-based solvents, salt water and sand.

1200 Mount Series (1201/1202)

Dimensions & Performance Characteristics

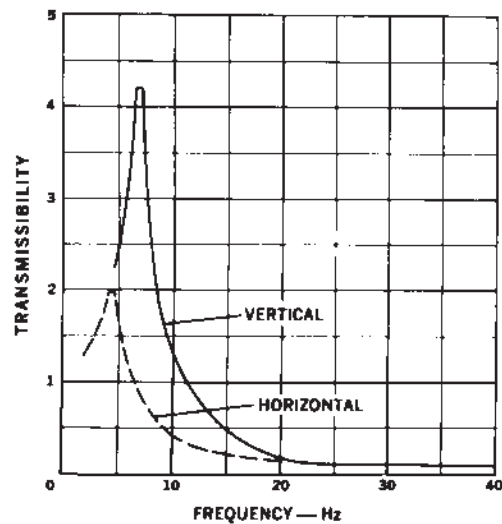


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LOAD RATING		
Dimpled Mounting	Non-Dimpled Mounting	Load Rating (lbs.)
1201-1	1201-1A	1 - 3
1201-2	1201-2A	2.5 - 5.5
1201-3	1201-3A	5 - 10
1202-1	1202-1A	2.5 - 6
1202-2	1202-2A	5.5 - 12.5
1202-3	1202-3A	10 - 20
1202-4	1202-4A	18 - 40



Typical
Transmissibility Vs Frequency Curve
7001 and 7002 Series



Barry Controls

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MET-L-FLEX BUSHINGS

Features

- Wide temperature range
- Metal mesh construction
- Axial to radial stiffness of 8:1
- Non-linear spring rate

Benefits

- Isolators are not effected by oil, dust, water, ozone or atmospheric pressure
- Excellent vibration isolation
- Rapid elimination of shock without damaging rebound
- No distortion set under sustained loads

All metal bushings provide excellent vibration and shock protection under adverse environmental conditions.



Barry MET-L-FLEX Bushings are used wherever environmental conditions could damage or destroy conventional elastomeric bushings. They are used in the assembly and interconnection of mounting and structural elements.

Applications

- Shipboard, marine and vehicle applications
- Fans & blowers
- Aerospace & military applications
- Motor/generator sets

NATURAL FREQUENCY	230 Hertz Vertical
TRANSMISSIBILITY AT RESONANCE	5.5
RESILIENT ELEMENT	Metal mesh
WEIGHT	See Table

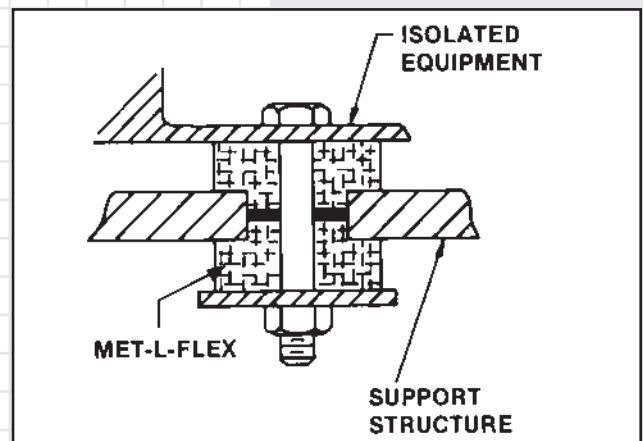
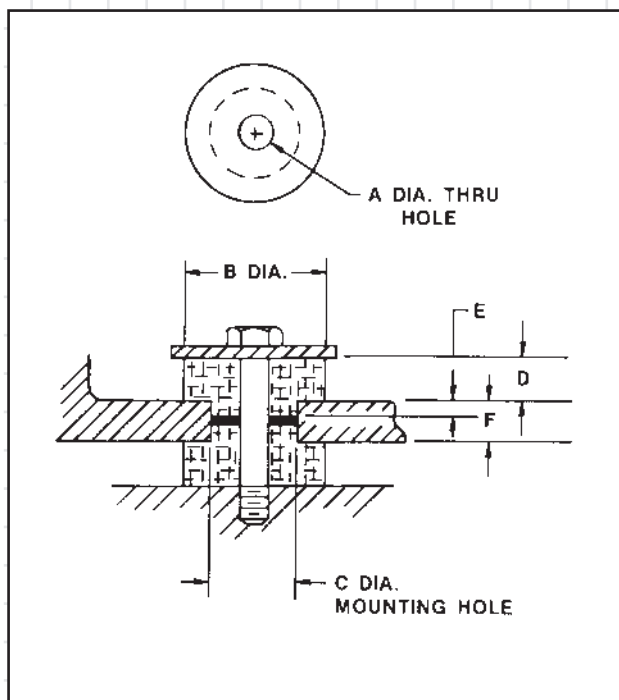
Environmental Data

- Operating temperature ranges of -130°F to +500°F (-90°C to +260°C).
- Applicable to military standard.
- Resistant to dust, oils, oil-based solvents, extreme temperatures, salt water and sand.

MET-L-FLEX Bushing Series

Dimensions & Performance Characteristics

MET-L-FLEX BUSHINGS								
Part #	A	B	C	D	E	F	WEIGHT	RECOMMENDED LOAD*
MG30425-1	.14	11/32	1/4	7/64	1/16	1/8	.03	10 lbs.
MG30428-1	.16	25/64	9/32	9/64	1/16	1/8	.05	12 lbs.
MG30431-1	.19	5/16	5/16	9/64	1/16	1/8	.06	16 lbs.
MG30441-1	.25	9/16	13/32	11/64	5/64	5/32	.11	27 lbs.
MG30450-1	.31	11/16	1/2	7/32	3/32	3/16	.21	42 lbs.
MG30462-1	.38	7/8	5/8	17/64	1/8	1/4	.42	64 lbs.



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1-800-BARRY MA

9300 MOUNT SERIES

Features

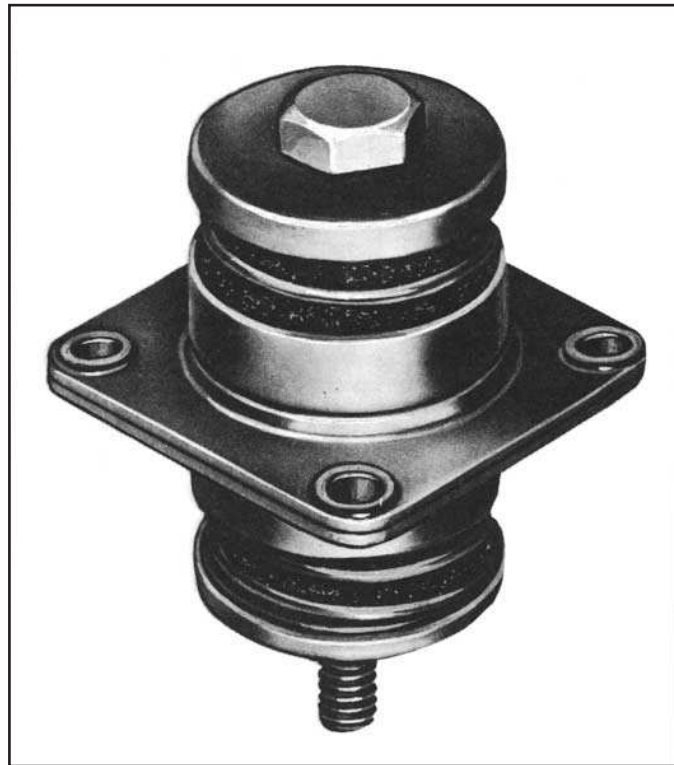
- Axial to radial stiffness of 1:1
- Rugged, reliable construction
- All attitude isolators

Benefits

- Isolators are not effected by oil, dust, water, ozone or atmospheric pressure
- Ideal for center of gravity type suspensions

Load Range

- 9300 Series = 17 load ratings to 16 lbs. per mount



Barry 9300 Series isolators are versatile, double acting mountings for installation with electronic & electromechanical equipment requiring protection against the vibration and shock encountered in airborne operations.

Applications

- Airborne electronics
- Ideal for use in applications where attitude of equipment in operation may vary, such as missiles

NATURAL FREQUENCY	12-15 Hertz
TRANSMISSIBILITY AT RESONANCE	4.0 Max
RESILIENT ELEMENT	Springs & Metal Mesh
STANDARD MATERIALS	Aluminum Housing
WEIGHT	9301 = 1.25 oz. 9302 = 2.75 oz. 9303 = 4.75 oz.

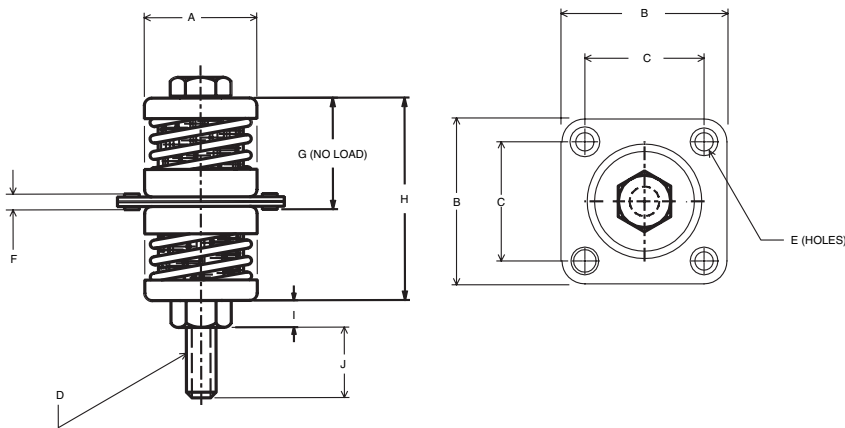
Environmental Data

- Operating temperature ranges of -130°F to +375°F (-90°C to +190°C).
- Applicable to military standards.
- Resistant to dust, oils, oil-based solvents, salt water and sand.

9300 Mount Series

Dimensions & Load Range Specifications

9300 MOUNT SERIES DIMENSIONAL DRAWING



Dimensions and data are subject to change without notice.

For technical, design, or application assistance, call toll free:

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		DIMENSIONS (INCHES)									
Part #	Load Range	A	B	C	D	E	F	G	H	I	J
9301-1	.5 - 1 lbs.	15/16	1 1/4	1	10-32	.141	3/64	51/64	1 1/2	5/16	3/8
9301-2	1 - 2 lbs.										
9303-3	2 - 3 lbs.										
9302-1	1-2 lbs.	1 7/32	1 3/4	1.375	1/4-20	.196	3/16	1 3/32	2	1/8	9/16
9302-2	1 3/4 - 3 1/2 lbs.										
9302-3	3 1/4 - 6 1/2 lbs.										
9303-1	2 - 3 lbs.	1 9/16	1 31/32	1.375	5/16-24	.196	3/16	1 1/4	2 5/16	5/16	1/2
9303-2	3 - 5 lbs.										
9303-3	5 - 7 lbs.										
9303-4	7 - 10 lbs.										
9303-7	10 - 13 lbs.										
9304-1	1 - 2 lbs.	1 15/16	2 1/4	1.750	5/16-24	.196	3/16	1 1/4	2 5/16	5/16	1/2
9304-2	7 - 11 lbs.										
9304-3	11 - 16 lbs.										
9304-4	4.5 - 7 lbs.										
9304-5	2 - 3 lbs.										
9304-6	3 - 4.5 lbs.										

CABLEMOUNT SERIES

Features

- All-attitude mounting
- Fail-safe design
- Available in a wide range of sizes and load ranges for most applications
- High damping

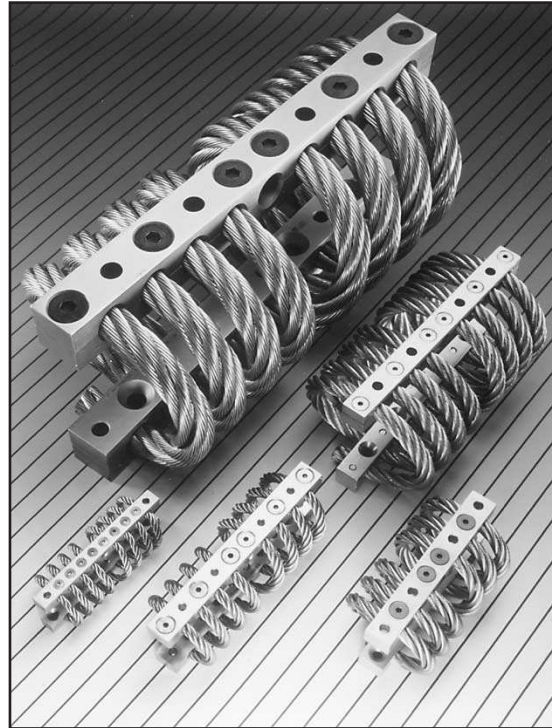
Benefits

- Performs efficiently without material degradation in hostile environments
- Ideal for use in high temperature and/or under corrosive conditions
- Many custom versions are available. Consult factory for more information

Load Range

- 11 styles to accommodate up to 1,500 lbs. per mount

Rugged, all metal cable type isolators offer excellent shock and vibration protection in hostile environments.



Cablemounts are designed to perform efficiently without material or performance degradation in extremely hostile environments. They are operational under wide extremes of temperature ranges and resist chemicals, oils and abrasives.

Applications

- Shipboard navigational, fire control and communications equipment
- On/Off road vehicles
- Motor/Generator sets
- Extreme temperature environments, such as engine compartments

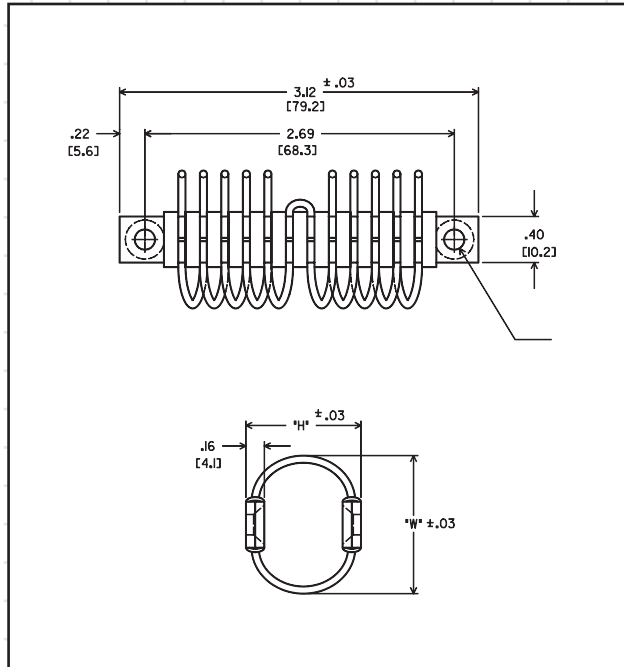
NATURAL FREQUENCY	10-20 Hertz
TRANSMISSIBILITY AT RESONANCE	3.5
RESILIENT ELEMENT	Stainless steel cable
STANDARD MATERIALS	Aluminum mounting bars

Environmental Data

- Operating temperature ranges of -400°F to +700°F (-240°C to +370°C).
- Applicable to military standards of MIL-STD-167 (vibration), MIL-S-901 (shock) and MIL-E-16400.
- Resistant to dust, oils, oil-based solvents, salt water and sand.

Cablemount Mount Series (CM00628)

Dimensions & Load Ratings



SUFFIX	MOUNTING HOLE CONFIGURATION
NONE	Standard Configuration as shown in drawing
- A	8-32 Threaded inserts in both retaining bars
- B	8-32 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar
- C	M4 x .7 Threaded inserts in both retaining bars
- D	M4 x .7 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar w/90° countersink
- E	Standard configuration as shown in drawing w/ 90° countersink

PART #	DIMENSIONS		COMPRESSION		SHEAR		ROLL		45° COMP/ROLL	
	H	W	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection
CM00628-1	.70	1.00	14.0	.3	7.0	.3	6.5	.3	7.5	.7
CM00628-2	.80	1.10	8.5	.4	3.5	.4	3.5	.4	4.2	.7
CM00628-3	1.00	1.20	5.2	.5	1.6	.6	1.6	.6	3.4	.8
CM00628-4	1.10	1.30	4.8	.7	1.4	.7	1.4	.7	2.5	.9
CM00628-5	1.20	1.40	2.9	.8	1.3	.9	1.3	.9	1.9	.9
CM00628-6	1.30	1.50	2.5	.9	.7	.9	.7	.9	1.5	1.1

Natural Frequency at rated load = approx. 10 Hertz



Barry Controls

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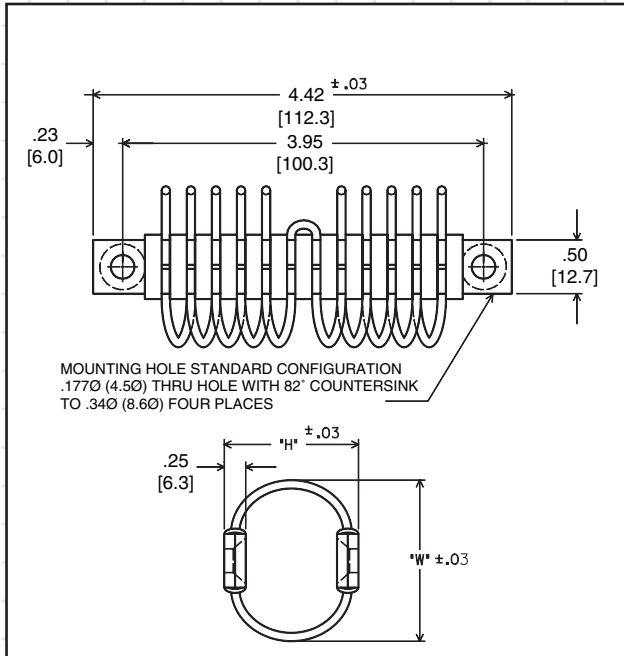
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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Cablemount Mount Series (CM00938)

Dimensions & Load Ratings



SUFFIX	MOUNTING HOLE CONFIGURATION
NONE	Standard Configuration as shown in drawing
- A	10-32 Threaded inserts in both retaining bars
- B	10-32 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar
- C	M5 x .8 Threaded inserts in both retaining bars
- D	M5 x .8 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar w/90° countersink
- E	Standard configuration as shown in drawing w/ 90° countersink

PART #	DIMENSIONS		COMPRESSION		SHEAR		ROLL		45° COMP/ROLL	
	H	W	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection
CM00938-1	.90	1.10	50.0	.3	23.0	.4	15.0	.4	28.0	.8
CM00938-2	1.00	1.20	31.0	.3	10.0	.5	10.0	.5	19.0	.9
CM00938-3	1.10	1.30	25.0	.4	6.5	.5	6.5	.5	14.5	.9
CM00938-4	1.30	1.50	12.0	.5	4.0	.6	4.0	.6	9.0	.9
CM00938-5	1.40	1.60	9.5	.6	3.0	.7	3.0	.7	6.0	1.1
CM00938-6	1.50	1.70	7.5	.7	2.5	.8	2.5	.8	5.0	1.5

Natural Frequency at rated load = approx. 10 Hertz



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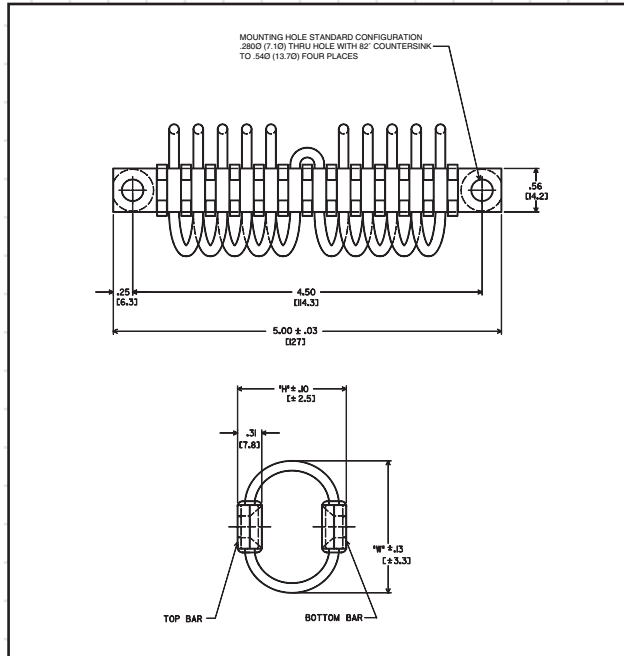
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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Cablemount Mount Series (CM01258)

Dimensions & Load Ratings



SUFFIX	MOUNTING HOLE CONFIGURATION
NONE	Standard Configuration as shown in drawing
- A	1/4 -20 Threaded inserts in both retaining bars
- B	1/4 -20 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar
- C	M6 x 1.0 Threaded inserts in both retaining bars
- D	M6 x 1.0 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar w/90° countersink
- E	Standard configuration as shown in drawing w/ 90° countersink

PART #	DIMENSIONS		COMPRESSION		SHEAR		ROLL		45° COMP/ROLL	
	H	W	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection
CM01258-1	1.10	1.40	75.0	.2	30.0	.4	28.0	.4	55.0	.9
CM01258-2	1.20	1.50	68.0	.4	21.0	.6	24.0	.6	43.0	.9
CM01258-3	1.30	1.60	50.0	.5	19.0	.7	19.0	.7	33.5	1.0
CM01258-4	1.40	1.70	44.0	.7	13.0	.8	13.0	.8	25.0	1.1
CM01258-5	1.50	1.80	34.0	.7	12.0	.9	12.0	.9	21.0	1.2
CM01258-6	1.60	1.90	33.0	.7	10.0	.9	10.0	.9	19.0	1.5

Natural Frequency at rated load = approx. 10 Hertz



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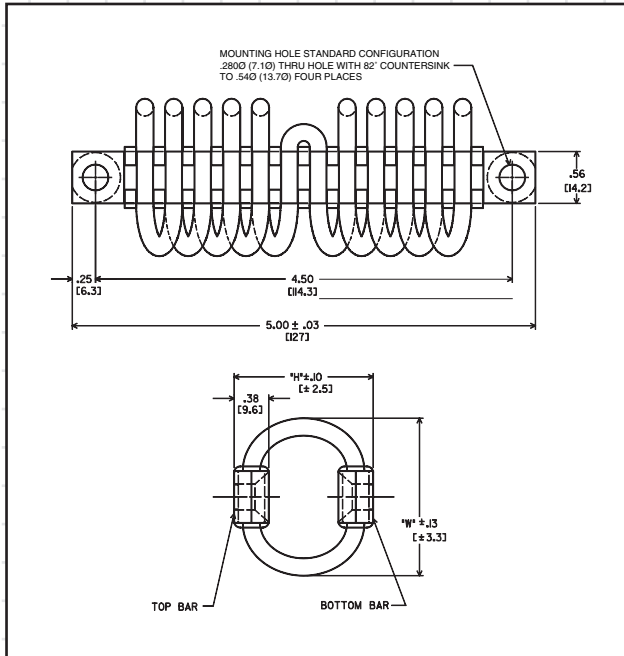
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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Cablemount Mount Series (CM01878)

Dimensions & Load Ratings



SUFFIX	MOUNTING HOLE CONFIGURATION
NONE	Standard Configuration as shown in drawing
- A	1/4 -20 Threaded inserts in both retaining bars
- B	1/4 -20 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar
- C	M6 x 1.0 Threaded inserts in both retaining bars
- D	M6 x 1.0 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar w/90° countersink
- E	Standard configuration as shown in drawing w/ 90° countersink

PART #	DIMENSIONS		COMPRESSION		SHEAR		ROLL		45° COMP/ROLL	
	H	W	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection
CM01878-1	1.20	1.40	325	.3	160	.4	90	.4	370	.4
CM01878-2	1.30	1.50	190	.3	58	.4	63	.4	250	.6
CM01878-3	1.40	1.60	165	.4	55	.5	45	.5	230	.7
CM01878-4	1.50	1.70	150	.5	45	.5	35	.5	190	.9
CM01878-5	1.60	1.80	120	.7	38	.5	33	.5	150	.9
CM01878-6	1.70	1.90	100	.8	25	.6	31	.6	130	1.0

Natural Frequency at rated load = approx. 10 Hertz



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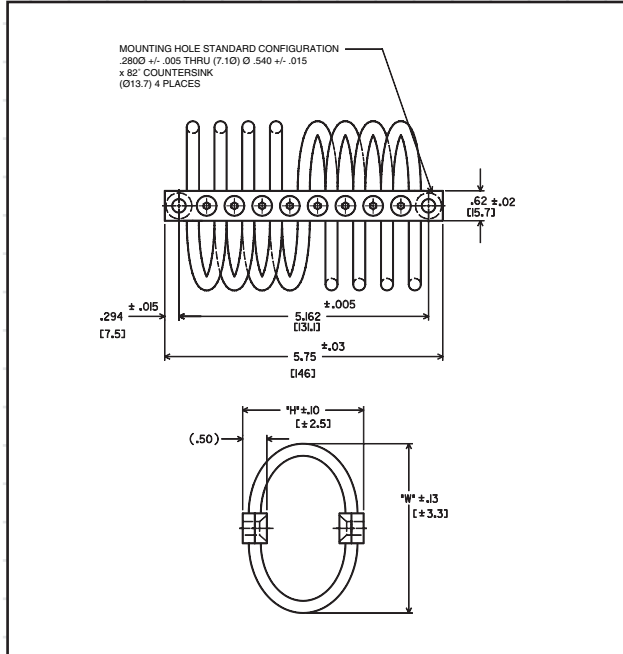
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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Cablemount Mount Series (CM02508)

Dimensions & Load Ratings



SUFFIX	MOUNTING HOLE CONFIGURATION
NONE	Standard Configuration as shown in drawing
- A	1/4 -28 Threaded inserts in both retaining bars
- B	1/4 -28 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar
- C	M6 x 1.0 Threaded inserts in both retaining bars
- D	M6 x 1.0 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar w/90° countersink
- E	Standard configuration as shown in drawing w/90° countersink

PART #	DIMENSIONS		COMPRESSION		SHEAR		ROLL		45° COMP/ROLL	
	H	W	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection
CM02508-1	1.90	2.20	163	.6	69	.8	62	.8	90	1.5
CM02508-2	2.13	2.50	113	.8	45	1.0	40	1.0	65	1.8
CM02508-3	2.31	2.80	94	1.0	30	1.3	33	1.3	50	2.2
CM02508-4	2.50	3.13	63	1.1	20	1.6	23	1.6	38	2.3
CM02508-5	2.50	3.50	50	1.3	15	1.7	21	1.7	30	2.5
CM02508-6	2.63	3.75	43	1.5	13	1.9	20	1.9	24	2.7
CM02508-7	2.63	3.95	38	1.5	12	2.0	13	2.0	26	2.8
CM02508-8	3.25	4.25	29	2.0	9	2.2	12	2.2	18	3.0

Natural Frequency at rated load = approx. 10 Hertz



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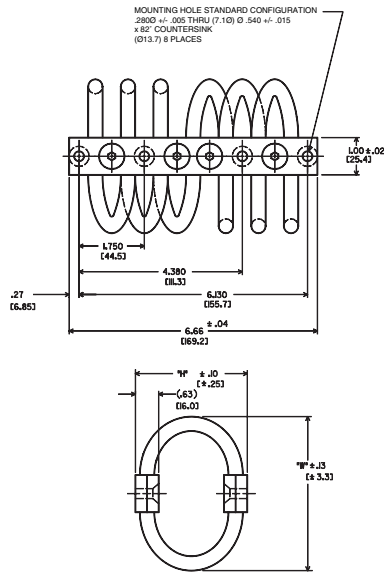
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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Cablemount Mount Series (CM03756)

Dimensions & Load Ratings



SUFFIX	MOUNTING HOLE CONFIGURATION
NONE	Standard Configuration as shown in drawing
- A	1/4 - 28 Threaded inserts in both retaining bars
- B	1/4 - 28 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar
- C	M6 x 1.0 Threaded inserts in both retaining bars
- D	M6 x 1.0 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar w/90° countersink
- E	Standard configuration as shown in drawing w/ 90° countersink

PART #	DIMENSIONS		COMPRESSION		SHEAR		ROLL		45° COMP/ROLL	
	H	W	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection
CM03756-1	2.80	3.31	263	1.0	113	1.0	80	1.0	195	1.5
CM03756-2	2.90	3.50	244	1.1	48	1.1	66	1.1	180	2.0
CM03756-3	3.00	4.13	150	1.3	43	1.5	52	1.5	100	2.3
CM03756-4	3.25	4.25	131	1.5	29	1.6	44	1.6	90	2.8
CM03756-5	3.50	4.50	104	1.8	25	1.7	24	1.7	56	3.5
CM03756-6	4.13	4.75	94	2.0	23	2.0	21	2.0	52	4.0
CM03756-7	4.25	5.50	56	2.2	14	2.2	17	2.2	30	4.5

Natural Frequency at rated load = approx. 10 Hertz



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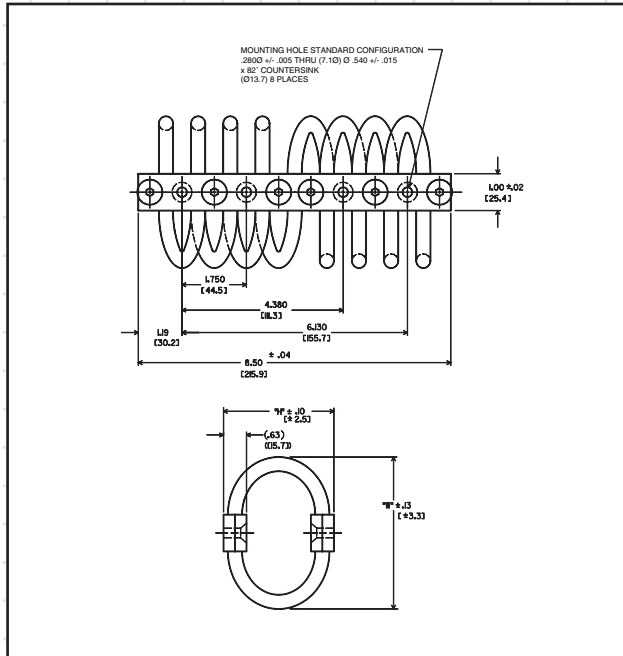
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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Cablemount Mount Series (CM03758)

Dimensions & Load Ratings



SUFFIX	MOUNTING HOLE CONFIGURATION
NONE	Standard Configuration as shown in drawing
- A	1/4 -28 Threaded inserts in both retaining bars
- B	1/4 - 28 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar
- C	M 6 x 1.0 Threaded inserts in both retaining bars
- D	M 6 x 1.0 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar w/90° countersink
- E	Standard configuration as shown in drawing w/ 90° countersink

PART #	DIMENSIONS		COMPRESSION		SHEAR		ROLL		45° COMP/ROLL	
	H	W	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection
CM03758-1	2.80	3.31	350	1.0	150	1.0	106	1.0	260	1.5
CM03758-2	2.90	3.50	325	1.1	63	1.1	88	1.1	240	2.0
CM03758-3	3.00	4.13	200	1.3	60	1.5	69	1.5	135	2.3
CM03758-4	3.25	4.25	175	1.5	38	1.6	59	1.6	120	2.8
CM03758-5	3.50	4.50	138	1.8	34	1.7	30	1.7	75	3.5
CM03758-6	4.13	4.75	125	2.0	31	2.0	28	2.0	70	4.0
CM03758-7	4.25	5.50	75	2.2	19	2.2	22	2.2	40	4.5

Natural Frequency at rated load = approx. 10 Hertz



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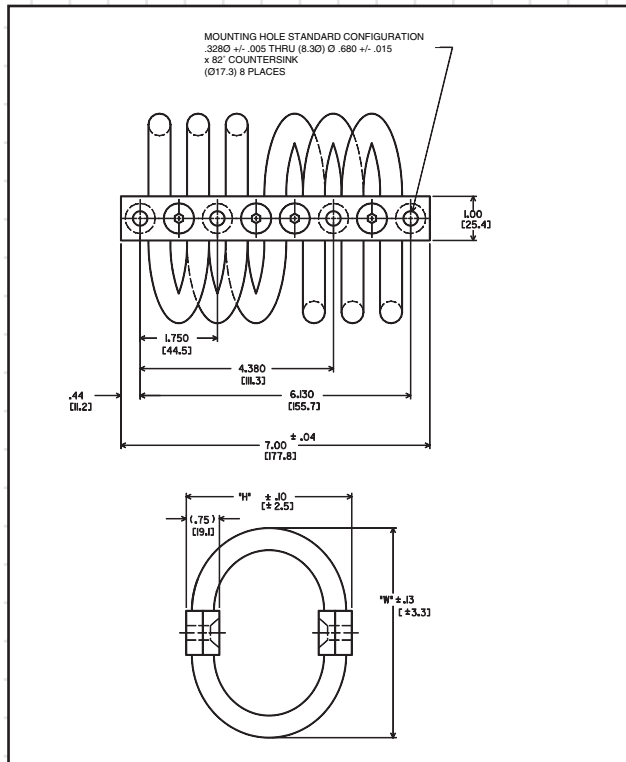
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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Cablemount Mount Series (CM05006)

Dimensions & Load Ratings



SUFFIX	MOUNTING HOLE CONFIGURATION
NONE	Standard Configuration as shown in drawing
- A	1/4 -28 Threaded inserts in both retaining bars
- B	1/4 - 28 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar
- C	M 6 x 1.0 Threaded inserts in both retaining bars
- D	M 6 x 1.0 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar w/90° countersink
- E	Standard configuration as shown in drawing w/ 90° countersink

PART #	DIMENSIONS		COMPRESSION		SHEAR		ROLL		45° COMP/ROLL	
	H	W	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection
CM05006-1	3.25	4.00	469	1.0	143	1.0	158	1.0	300	1.5
CM05006-2	3.50	4.13	356	1.1	113	1.1	120	1.1	225	2.0
CM05006-3	3.75	4.75	206	1.3	53	1.5	83	1.5	180	2.3
CM05006-4	4.25	5.25	150	1.5	41	1.6	56	1.6	128	2.8
CM05006-5	4.90	5.65	90	1.8	38	1.7	30	1.7	98	3.5
CM05006-6	5.40	6.13	75	2.0	26	2.0	26	2.0	68	4.0
CM05006-7	6.10	7.10	45	2.2	21	2.2	24	2.2	41	4.5

Natural Frequency at rated load = approx. 10 Hertz



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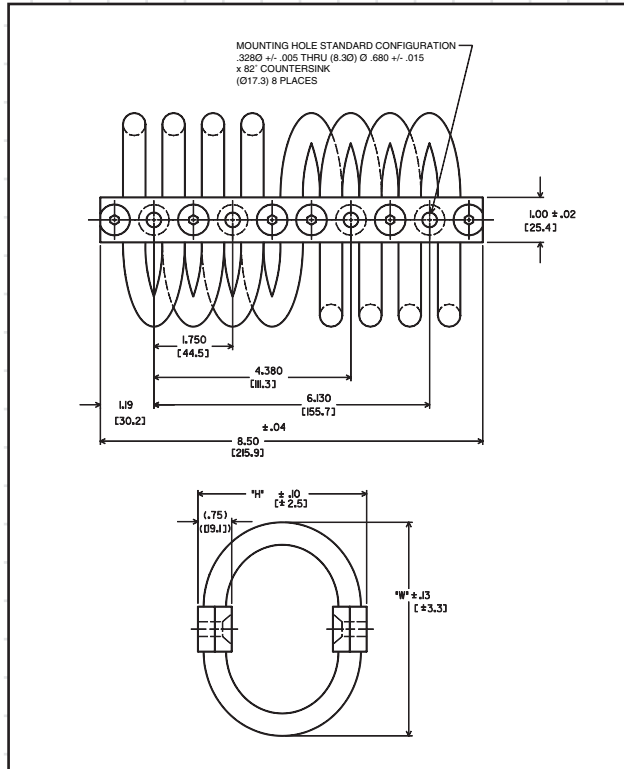
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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Cablemount Mount Series (CM05008)

Dimensions & Load Ratings



SUFFIX	MOUNTING HOLE CONFIGURATION
NONE	Standard Configuration as shown in drawing
- A	1/4 -28 Threaded inserts in both retaining bars
- B	1/4 - 28 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar
- C	M 6 x 1.0 Threaded inserts in both retaining bars
- D	M 6 x 1.0 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar w/90° countersink
- E	Standard configuration as shown in drawing w/ 90° countersink

PART #	DIMENSIONS		COMPRESSION		SHEAR		ROLL		45° COMP/ROLL	
	H	W	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection
CM05008-1	3.25	4.00	625	1.0	190	1.0	210	1.0	400	1.5
CM05008-2	3.50	4.13	475	1.1	150	1.1	160	1.1	300	2.0
CM05008-3	3.75	4.75	275	1.3	70	1.5	110	1.5	250	2.3
CM05008-4	4.25	5.25	200	1.5	55	1.6	75	1.6	170	2.8
CM05008-5	4.90	5.65	120	1.8	50	1.7	40	1.7	130	3.5
CM05008-6	5.40	6.13	100	2.0	38	2.0	35	2.0	90	4.0
CM05008-7	6.10	7.10	60	2.2	28	2.2	30	2.2	55	4.5

Natural Frequency at rated load = approx. 10 Hertz



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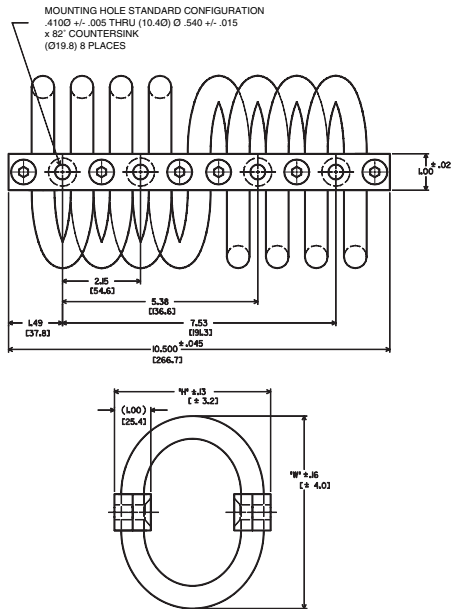
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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Cablemount Mount Series (CM06258)

Dimensions & Load Ratings



SUFFIX	MOUNTING HOLE CONFIGURATION
NONE	Standard Configuration as shown in drawing
- A	3/8 - 24 Threaded inserts in both retaining bars
- B	3/8 - 24 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar
- C	M 10 x 1.5 Threaded inserts in both retaining bars
- D	M 10 x 1.5 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar w/90° countersink
- E	Standard configuration as shown in drawing w/ 90° countersink

PART #	DIMENSIONS		COMPRESSION		SHEAR		ROLL		45° COMP/ROLL	
	H	W	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection
CM06258-1	3.50	4.00	1300	1.2	325	1.2	200	1.2	800	1.8
CM06258-2	3.90	4.40	800	1.4	250	1.4	190	1.4	450	2.3
CM06258-3	4.30	5.30	625	1.8	130	1.8	150	1.2	325	2.8
CM06258-4	4.70	6.00	440	2.2	110	2.2	145	2.2	275	3.2
CM06258-5	5.00	6.50	350	2.5	70	2.5	130	2.5	175	3.6

Natural Frequency at rated load = approx. 10 Hertz



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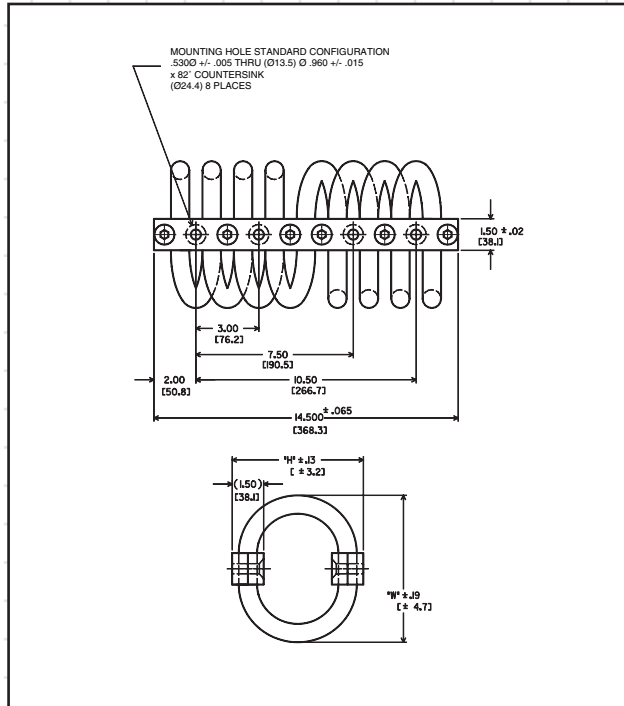
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For technical, design, or application assistance, call toll free:

1-800-BARRY MA

Cablemount Mount Series (CM08758)

Dimensions & Load Ratings



SUFFIX	MOUNTING HOLE CONFIGURATION
NONE	Standard Configuration as shown in drawing
- A	1/2 - 13 Threaded inserts in both retaining bars
- B	1/2 - 13 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar
- C	M 12 x 1.75 Threaded inserts in both retaining bars
- D	M 12 x 1.75 Threaded inserts in one retaining bar and standard configuration as shown in drawing in other retaining bar w/90° countersink
- E	Standard configuration as shown in drawing w/ 90° countersink

PART #	DIMENSIONS		COMPRESSION		SHEAR		ROLL		45° COMP/ROLL	
	H	W	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection	Load Rating	Max. Deflection
CM08758-1	5.25	5.50	1500	1.8	400	2.1	350	2.1	875	2.5
CM08758-2	6.00	6.50	1000	2.1	300	2.6	300	2.6	750	3.2
CM08758-3	6.25	7.00	900	2.3	225	2.9	238	2.9	600	3.8
CM08758-4	7.50	8.25	600	3.4	125	3.3	138	3.3	450	4.7
CM08758-5	8.50	9.25	400	4.2	100	4.0	125	4.0	250	6.4

Natural Frequency at rated load = approx. 10 Hertz



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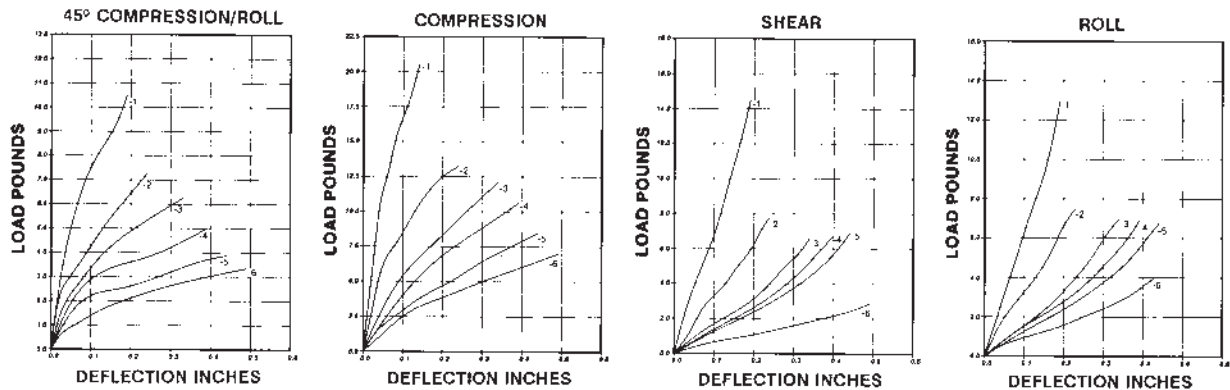
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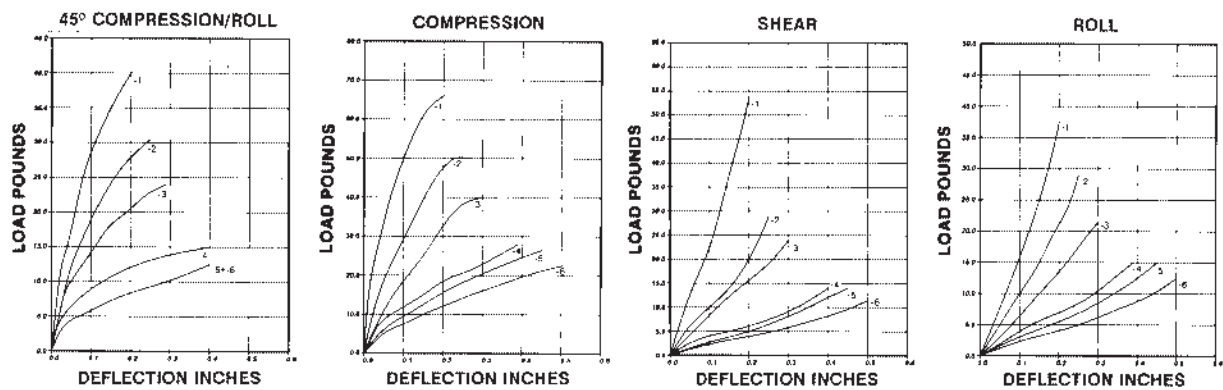
Cablemount Mount Series

Performance Characteristics

CM000628 PERFORMANCE CHARACTERISTICS



CM00938 PERFORMANCE CHARACTERISTICS



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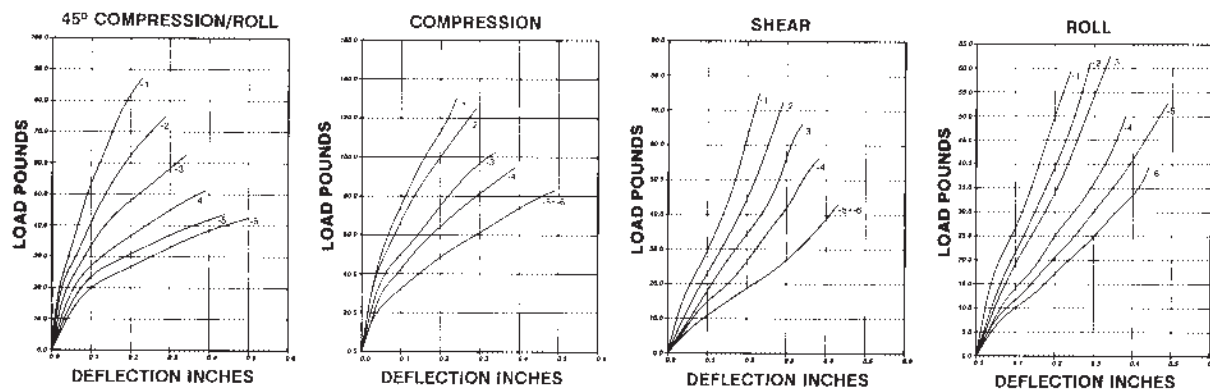
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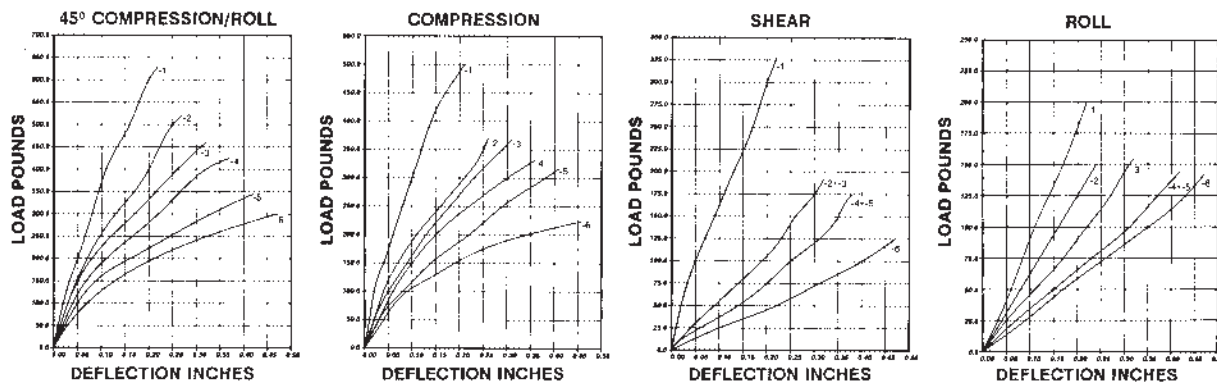
Cablemount Mount Series

Performance Characteristics

CM01258 PERFORMANCE CHARACTERISTICS



CM01878 PERFORMANCE CHARACTERISTICS



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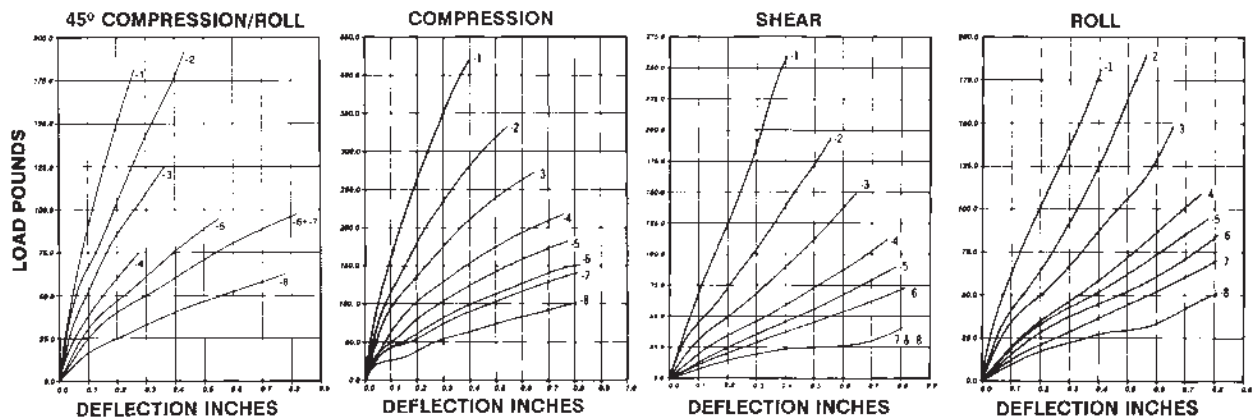
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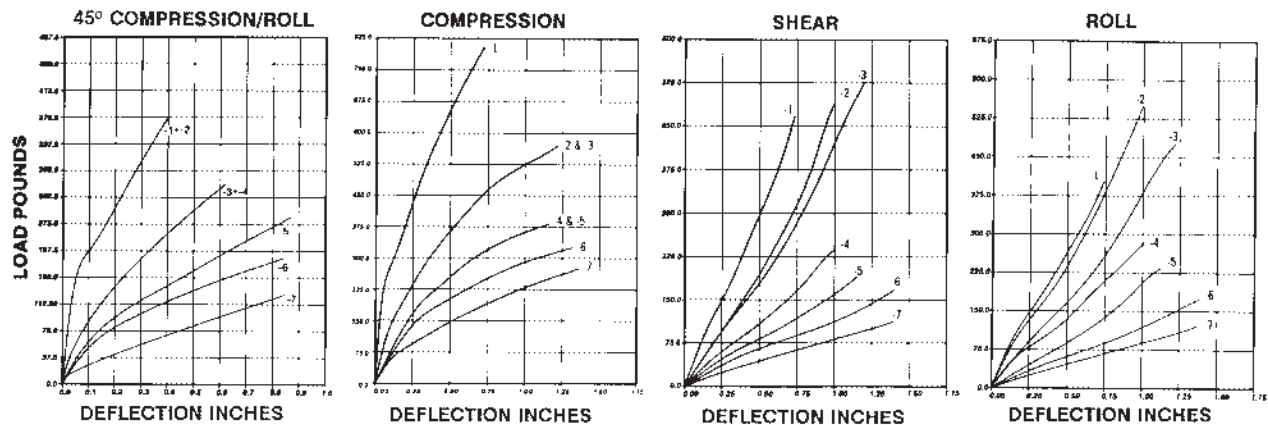
Cablemount Mount Series

Performance Characteristics

CM02508 PERFORMANCE CHARACTERISTICS



CM03756 PERFORMANCE CHARACTERISTICS



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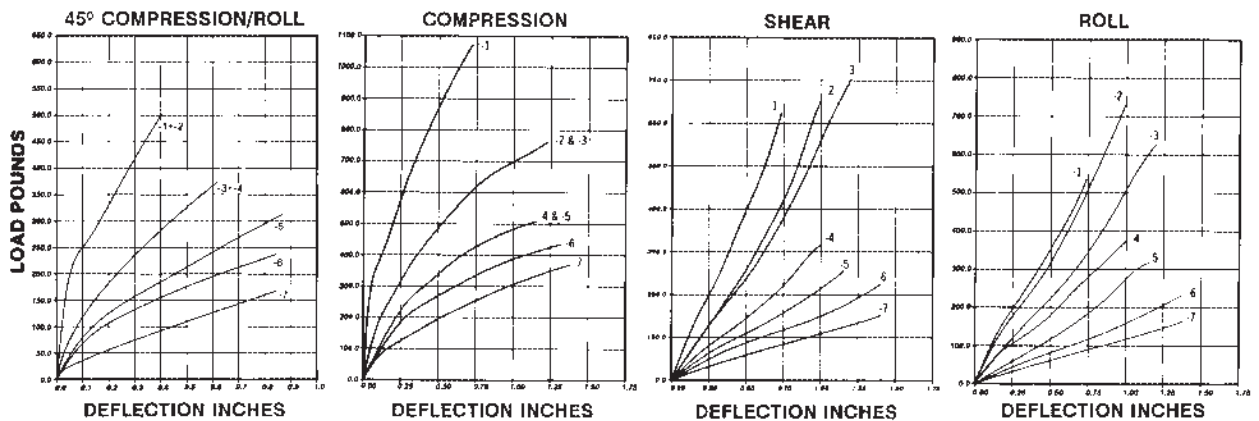
For technical, design, or application assistance, call toll free:

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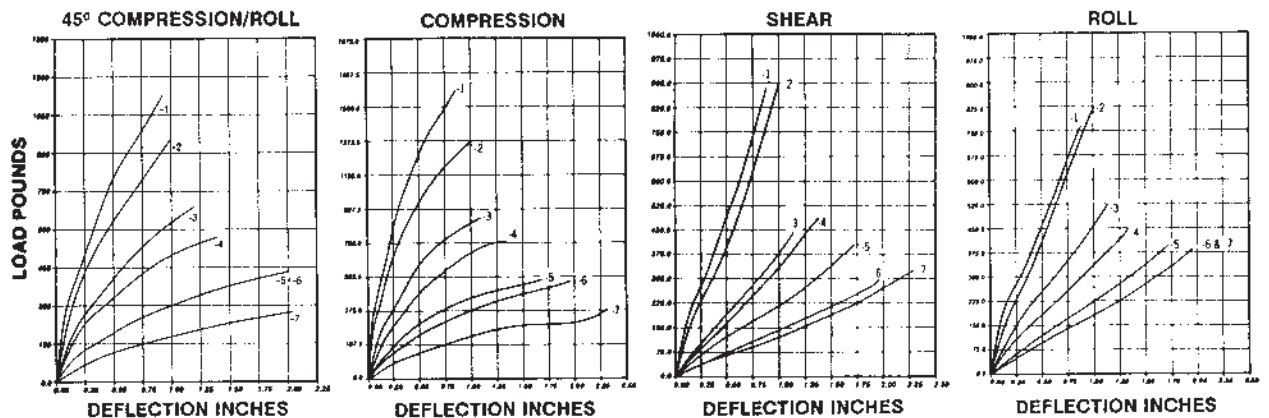
Cablemount Mount Series

Performance Characteristics

CM03758 PERFORMANCE CHARACTERISTICS



CM05006 PERFORMANCE CHARACTERISTICS



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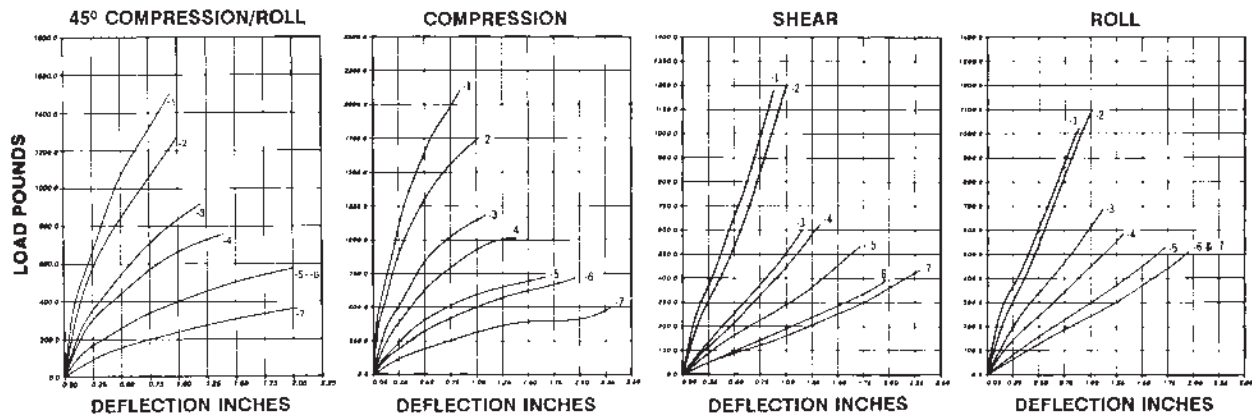
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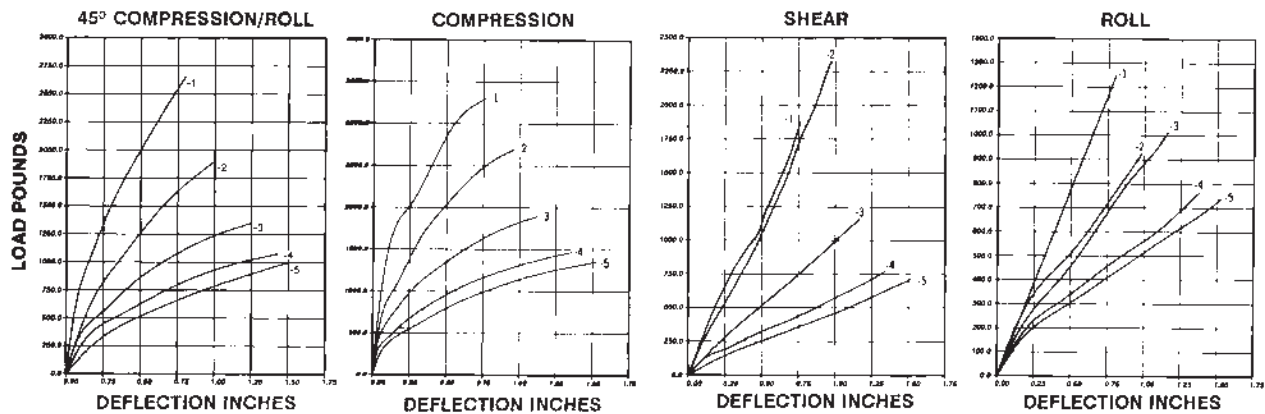
Cablemount Mount Series

Performance Characteristics

CM05008 PERFORMANCE CHARACTERISTICS



CM06258 PERFORMANCE CHARACTERISTICS



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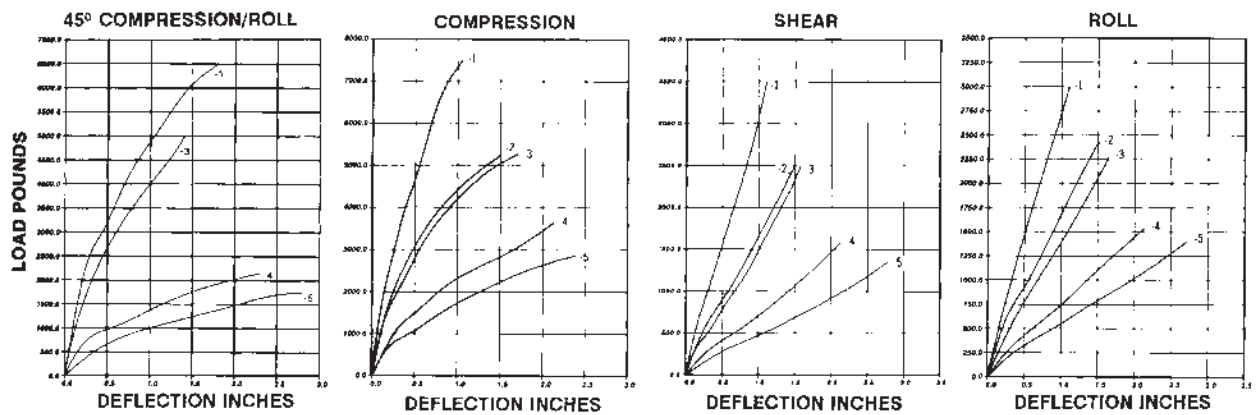
For technical, design, or application assistance, call toll free:

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Cablemount Mount Series

Performance Characteristics

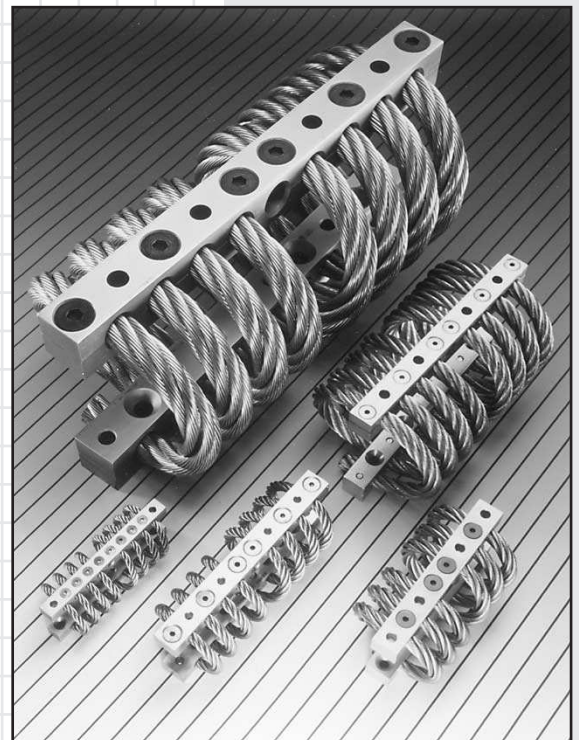
CM08758 PERFORMANCE CHARACTERISTICS



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Casters



- LO-G Industrial Series (100-300#)
- LO-G Industrial Series (900#)
- Twin-Wheel Medical Caster (Custom)

100-300# LO-G INDUSTRIAL SERIES CASTERS

Features

- Double race ball bearings
- Mounting interface top-plate or stem
- Patented shock & vibration attenuation system
- Non-marking, non-flatspotting wheel

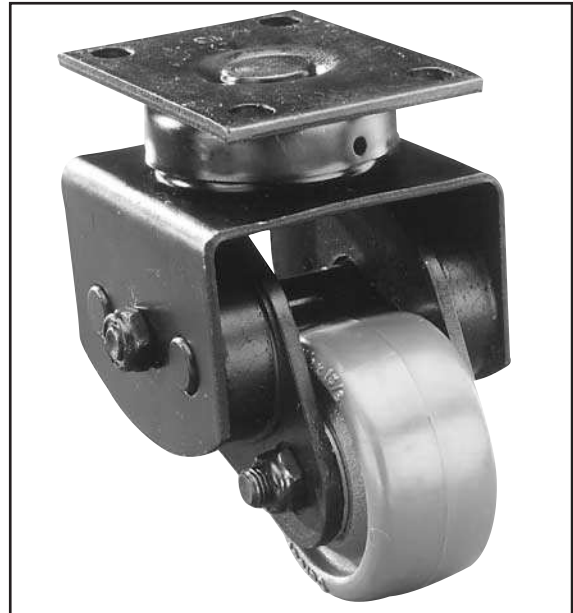
Benefits

- Exceptional rollability & maneuvering
- Reduces up to 50 times the amount of energy transmitted into equipment versus conventional caster design
- Rolls easily over bumps & thresholds
- Protects equipment from external shock

Load Range

- Load ratings from 100-300 lbs.

Innovative caster design protects mobile equipment from mechanical shock and vibration.



LO-G Industrial Casters provide shock attenuation and ease of maneuverability for portable equipment over bumps, rough surfaces, thresholds and other obstacles for a wide range of applications.

Applications

- Computer storage cabinets
- Industrial medical equipment
- Mobile diagnostic equipment
- Sensitive manufacturing equipment
- Materials handling systems
- Photographic Imaging Equipment

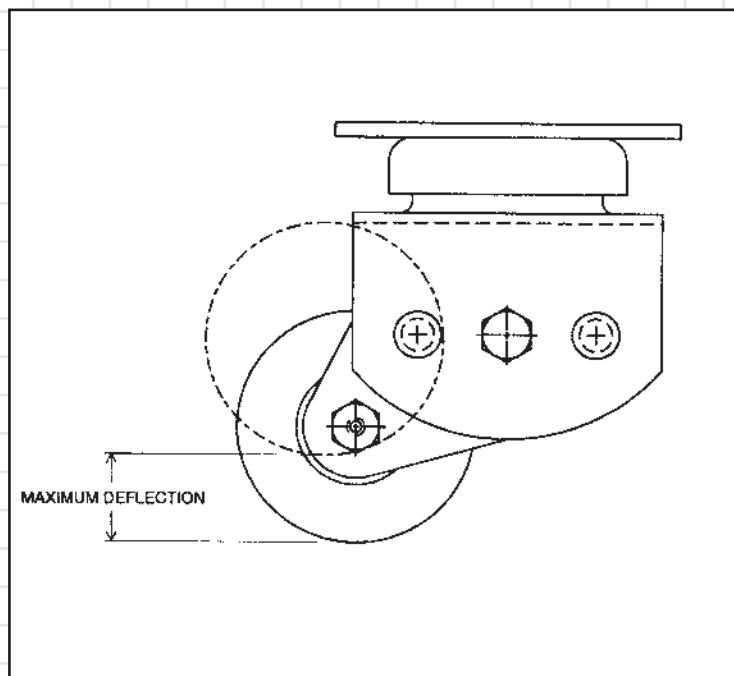
NATURAL FREQUENCY	7-15 Hertz
MATERIALS	Steel, Neoprene, Solid elastomer wheel
LOAD RATING	100-300 lbs.
SWIVEL RADIUS @ MAX. DEFLECTION	3.12", 3.37", 3.63", 3.87"
OVERALL HEIGHT (UNLOADED)	4.6", 4.85", 5.75", 6.0"
WHEEL DIAMETERS	2.5", 3.0", 3.5", 4.0"

Environmental Data

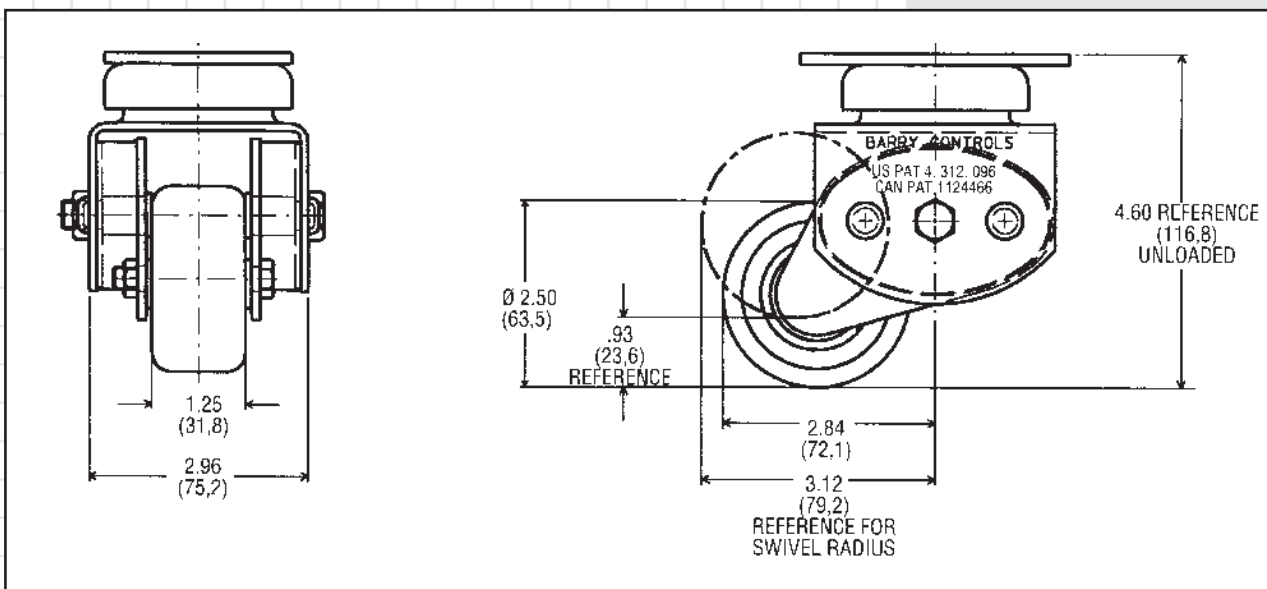
- Operating temperature range is -40°F to +180°F.
- Materials are compatible with most commercial, industrial or institutional environments.
- Alternate elastomers are available upon special order.

100-300# LO-G Industrial Series Caster

Dimensions & Performance Characteristics



PART #	LOAD RATING
26130-01	100 lbs.
26130-02	200 lbs.
26130-03	300 lbs.



Dimensions and data are subject to change without notice.

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900# LO-G INDUSTRIAL SERIES CASTERS

Features

- Double race ball bearings
- Mounting interface top-plate or stem
- Patented shock & vibration attenuation system
- Non-marking, non-flatspotting wheel

Benefits

- Exceptional maneuverability
- Reduces up to 50 times the amount of energy transmitted into equipment versus conventional caster design
- Rolls easily over bumps & thresholds
- Protects equipment from external shock

Load Range

- Load ratings to 900 lbs.

Innovative caster design protects mobile equipment from mechanical shock and vibration.



LO-G Industrial Casters provide shock attenuation and ease of maneuverability for portable equipment over bumps, rough surfaces, thresholds and other obstacles for a wide range of applications.

Applications

- Computer storage cabinets
- Industrial medical equipment
- Mobile diagnostic equipment
- Sensitive manufacturing equipment
- Materials handling systems
- Photographic Imaging Equipment

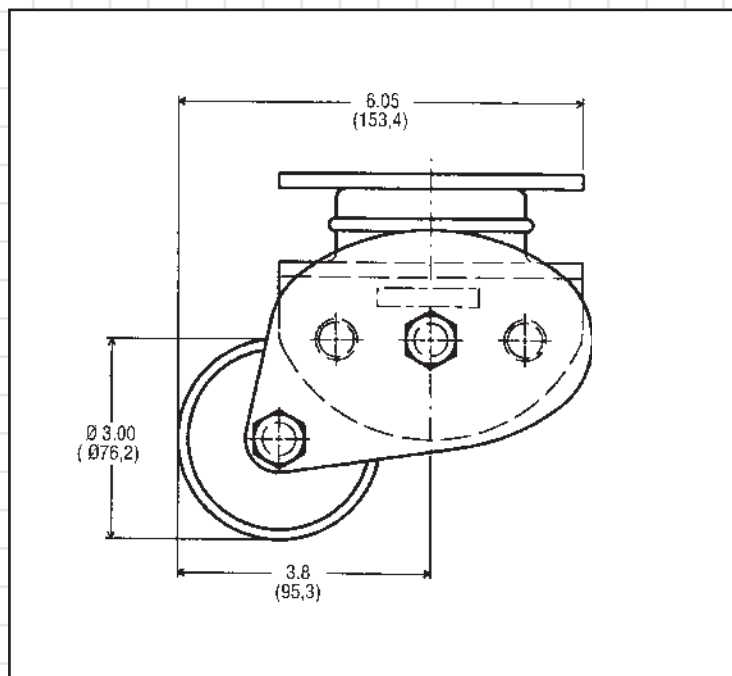
NATURAL FREQUENCY	8-12 Hertz
MATERIALS	Steel, Neoprene, Solid elastomer wheel
LOAD RATING	900 lbs.
SWIVEL RADIUS @ MAX. DEFLECTION	3.12", 3.37", 3.63", 3.87"
OVERALL HEIGHT (UNLOADED)	5.5", 6.0", 6.5", 7.0"
WHEEL DIAMETERS	3.0", 4.0", 5.0", 6.0"

Environmental Data

- Operating temperature range is -40°F to +180°F.
- Materials are compatible with most commercial, industrial or institutional environments.
- Alternate elastomers are available upon special order.

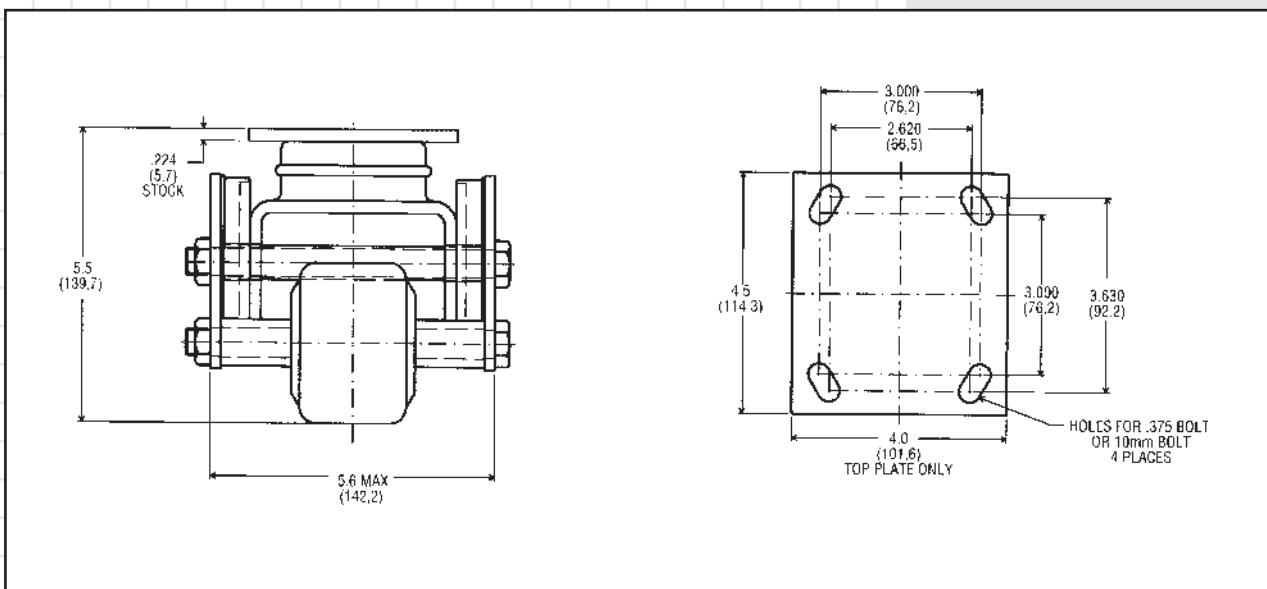
900# LO-G Industrial Series Caster

Dimensions & Performance Characteristics



THRESHOLD TESTING			
HEIGHT	# OF OBSTACLES	LOAD	SPEED
3/4"	9,000	700 lb.	3 mph

PART #	LOAD RATING
26150-02	900 lbs.



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Dimensions and data are subject to change without notice.

For technical, design, or application assistance, call toll free:

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TWIN-WHEEL LO-G MEDICAL SERIES CASTERS (CUSTOM)

Features

- Precision sealed ball bearings
- Mounting interface top-plate or stem
- Patented shock & vibration attenuation system
- Non-marking, non-flatspotting wheel
- Faring, sleeve and hub caps off-white Santoprene design

Benefits

- Exceptional maneuverability
- Reduces up to 50 times the amount of energy transmitted into equipment versus conventional caster design
- Rolls easily over bumps & thresholds
- Protects equipment from external shock
- Cosmetically appealing

Load Range

- Load ratings from 100-250 lbs.

Innovative caster design protects mobile equipment from mechanical shock and vibration.



LO-G Twin-Wheel Medical Series casters combine a compact, low-profile design with unmatched shock isolation characteristics for exceptional rollability and maneuverability. The Twin Wheel Medical Caster is perfect for use on highly sensitive mobile diagnostic equipment.

Applications

- Ultrasound equipment
- Portable CAT scan equipment
- Mobile diagnostic equipment
- Radiology Equipment
- Critical care hospital beds
- Mobile anesthesia equipment

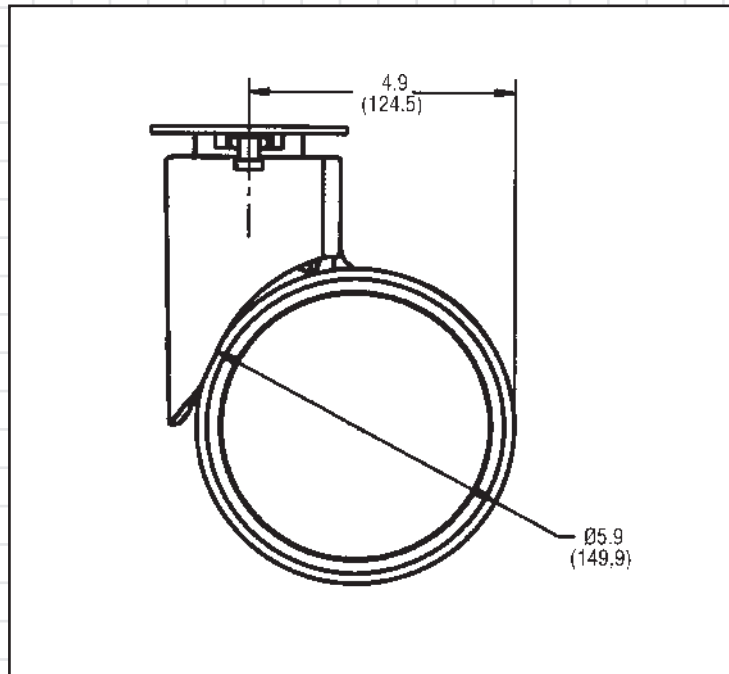
NATURAL FREQUENCY	7-10 Hertz
MATERIALS	Off-white Santoprene, steel, neoprene
LOAD RATING	100-250 lbs.
SWIVEL RADIUS @ MAX. DEFLECTION	5.6"
OVERALL HEIGHT (UNLOADED)	8.6"
WHEEL DIAMETERS	6"

Environmental Data

- Operating temperature range is -40°F to +180°F.
- Materials are compatible with most commercial, industrial or institutional environments.

Twin Wheel LO-G Medical Series Caster (Custom)

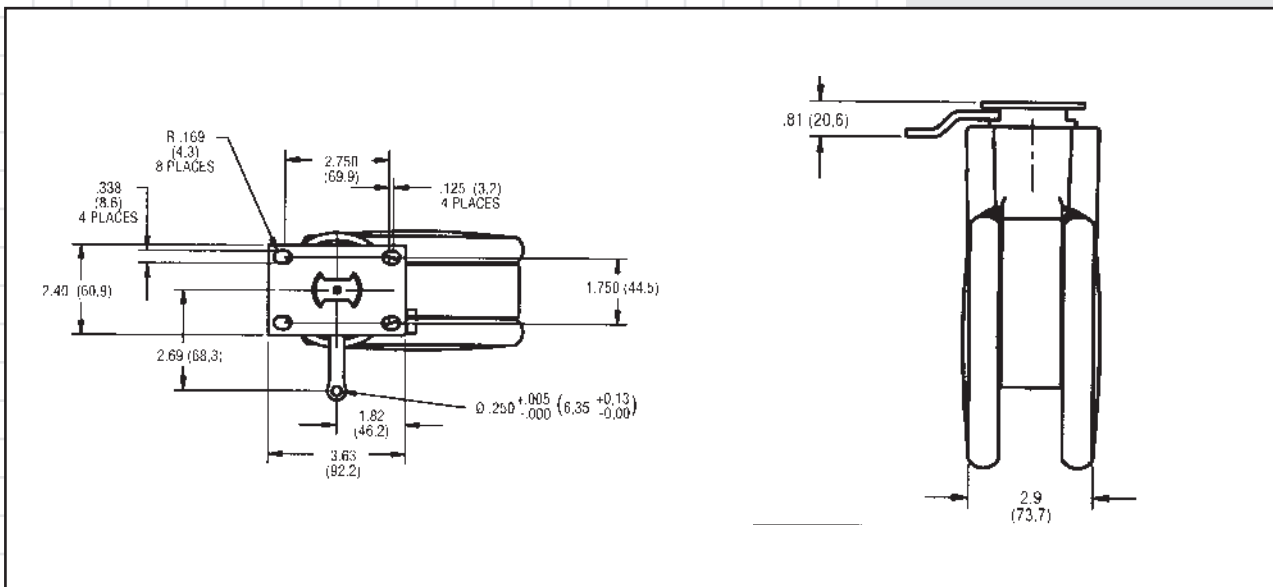
Dimensions & Performance Characteristics



THRESHOLD TESTING

HEIGHT	# OF OBSTACLES	LOAD	SPEED
1"	7,000	230 lb.	3 mph

PART #	LOAD RATING
26605-1	250 lbs.



Dimensions and data are subject to change without notice.

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Specialty Isolators



- Barry V Mounts
- Barry Spring Pivot
- Marine Mounts
- Navy Mounts



V MOUNT SERIES

Features

- Low natural frequency (9-10 Hertz)
- Long, dependable service life
- Off-the-shelf availability
- Proven durability

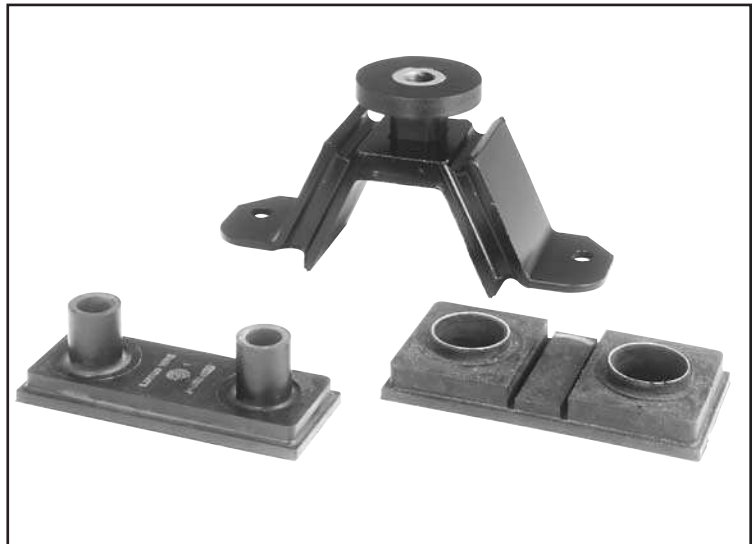
Benefits

- Improved ride comfort
- Prevents mechanical noise transmission
- Ensures drivetrain alignment
- Eliminates minor shake
- Superior V-mount isolation

Load Range

- 3 load ratings from 5 - 20 lbs. per mount

Engine mounts isolate vibration, absorb shock and attenuate noise due to structure-borne vibrations.



Barry V-Spring Engine mounts isolate vibration, absorb shock and attenuate noise due to structure-borne vibration. These mounts feature uniquely tuned stiffnesses to achieve optimum performance and ride comfort.

Applications

- Class 6,7,8 truck engines
- Bus engines
- Off-highway vehicle engines
- On & off-highway vehicle cabs

NATURAL FREQUENCY	9-10 Hertz
TRANSMISSIBILITY AT RESONANCE	8:1
RESILIENT ELEMENT	Natural rubber (Neoprene Optional)
STANDARD MATERIALS	High strength steel
WEIGHT	4.3 lbs. (w/snubber)

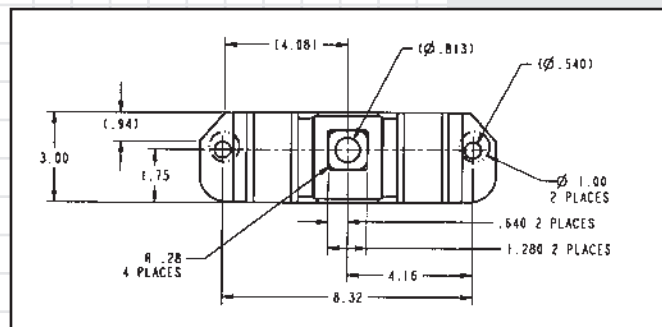
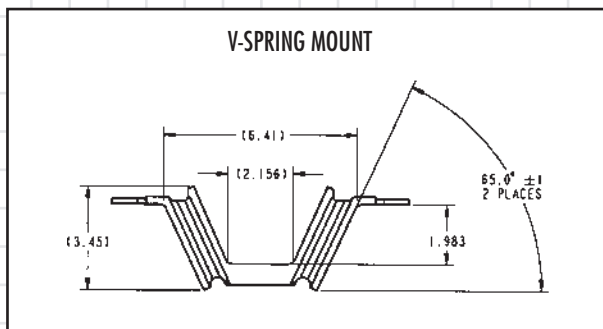
Environmental Data

- Natural rubber elastomer has an operating temperature range of -30°C to +70°C.
- Neoprene elastomer has an operating temperature range of -30°C to +70°C.

V Mount Series

Dimensions & Performance Characteristics

LOAD & STIFFNESS CHARACTERISTICS										
Part #	Load Range		Vertical Deflection		Nominal Static Characteristics					
	lbs.	N	in.	mm	Vertical		Lateral		Longitudinal	
					lbs./inch	N/mm	lbs./inch	N/mm	lbs./inch	N/mm
27330-1	1,150-1,400	5,110-6,220	.10"	2.5	13,000	2,280	6,500	1,140	19,500	342
27330-2	950-1,200	4,220-5,330	.11"	2.9	9,400	1,650	4,700	825	14,000	2,457



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SUSPENSION PIN/BUSHING ASSEMBLY

Features

- Rugged crimped construction
- High load capacity
- Tight tolerance
- High compression elastomer

Benefits

- Eliminates need for lubrication
- Extra long service life
- Withstands high impact shock and $\pm 7^\circ$ torsional rotation
- Provides vibration, shock and noise attenuation

Load Range

- 2,000 lbs. to 4,500 lbs. per pin

Significantly extends service life of suspension components in vehicular applications.



Barry Suspension Pin/Bushing Assembly is designed and constructed for maintenance free and consistent service life. These superior parts will outlast the predicted life of modern heavy-duty leaf spring suspension in vehicular applications.

Applications

- Medium & Heavy-Duty Truck/
Tractor Front & Rear Suspension
Assemblies

RESILIENT ELEMENT	Natural Rubber
STANDARD MATERIALS	High Strength Steel
WEIGHT	2.5 lbs.

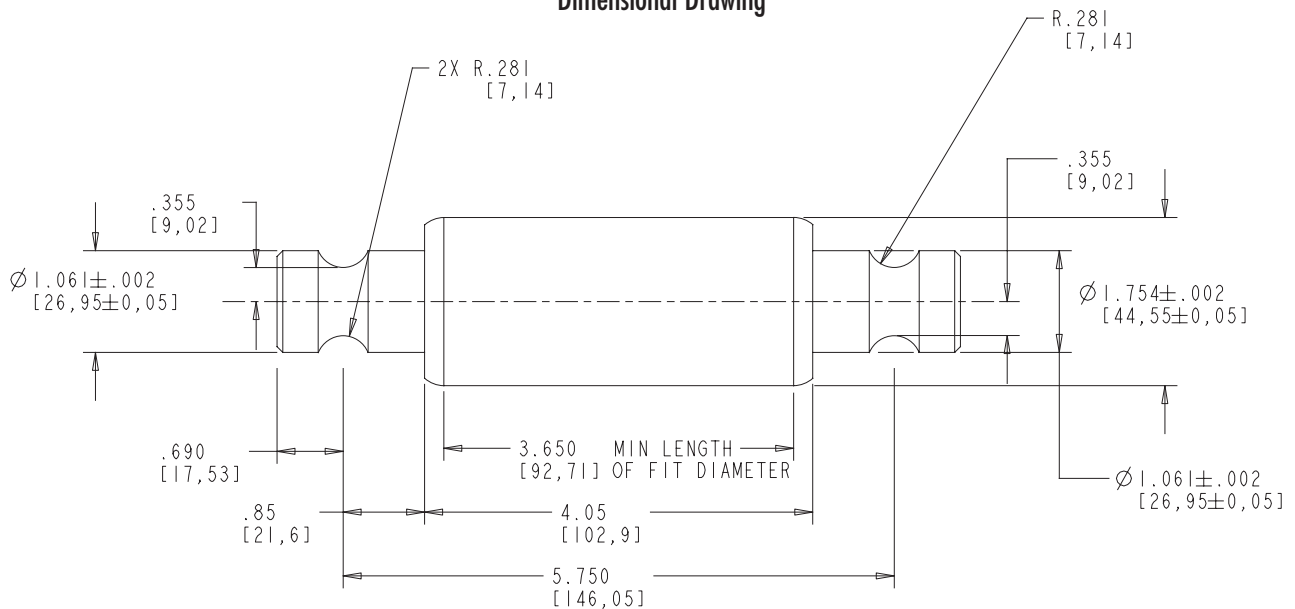
Environmental Data

- Natural Rubber elastomer has an operating temperature range of -25°F to $+160^\circ\text{F}$
(-30°C to $+70^\circ\text{C}$)

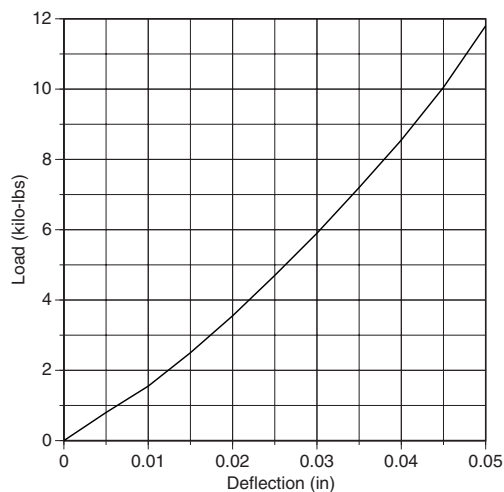
Suspension Pin/Bushing Assembly

Dimensions & Performance Characteristics

SUSPENSION PIN/BUSHING ASSEMBLY
Dimensional Drawing



SUSPENSION PIN/BUSHING ASSEMBLY
Radial Load vs. Deflection



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MARINE MOUNT SERIES

Features

- Mechanically captive
- Resilient elements of oil-resistant Neoprene
- Corrosion resistant exposed metal parts
- Off-the-shelf availability
- Easy to install
- Proven durability
- Height adjustability

Benefits

- Improved ride comfort
- Significantly reduces mechanical noise transmission
- Able to transmit propeller thrust longitudinally along mount
- Superior isolation at start-up and low RPMs

Load Range

- 4 versions with 17 load ratings from 39 - 1,980 lbs. per mount



Effective reduction of noise and vibration of internal combustion diesel engines in marine installations.



Barry Controls Marine Mounts are designed to provide effective noise and vibration isolation of marine engines up to, but not limited to, 1,000 hp.

Applications

- Marine Diesel Engines
- Pumps
- Compressors
- Generator Sets

One of the most important features of Barry Controls Marine Mounts is their ability to isolate vibration while transmitting full propeller thrust, efficiently isolating engine noise and vibration from the hull of the vessel.

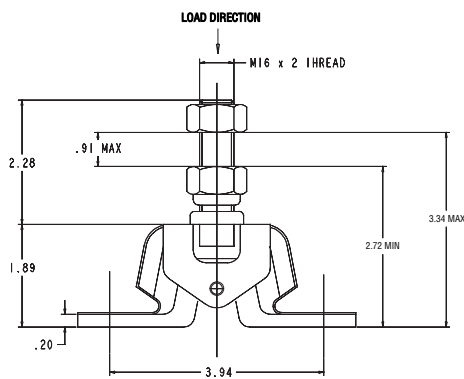
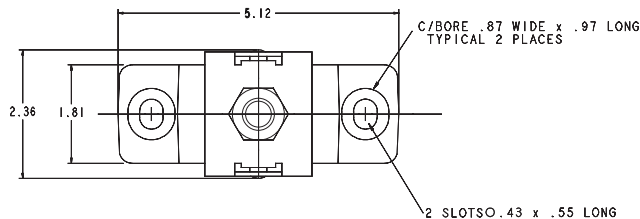
This improves the reliability of equipment, and provides unmatched occupant comfort, particularly during start up or while at low RPMs.

Environmental Data

- Neoprene elastomer has an operating temperature range of -20°F to +180°F (-30°C to +85°C) and is resistant to oils, salt spray, ozone and oil-based solvents.

Marine Mount Series (F50)

Dimensions & Performance Characteristics



F50 Marine Mounts are compact, captive marine isolators designed to support lightweight loads from 39-380 lbs. per mount.

They provide effective noise and vibration isolation of marine engines up to 250 horsepower.

NATURAL FREQUENCY	10-16 Hertz
TRANSMISSIBILITY AT RESONANCE	8:1
RESILIENT ELEMENT	Neoprene
STANDARD MATERIALS	Corrosion resistant steel & Aluminum
WEIGHT	1.65 lbs.

PART #	LOAD RANGE (lbs.)								MINIMUM LOAD (lbs.)	MAXIMUM LOAD (lbs.)
	30	60	90	120	150	200	300	400		
F50-1-1	↔								39	99
F50-1-2	↔								60	160
F50-1-3	↔								90	231
F50-1-4	↔								121	300
F50-1-5	↔								160	380



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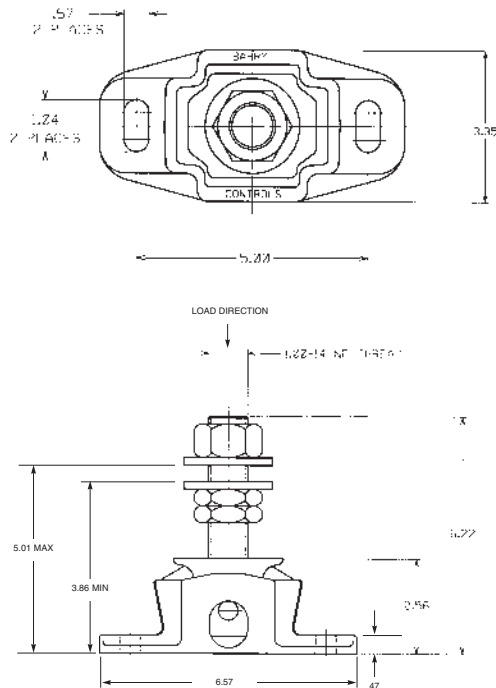
For technical, design, or application assistance, call toll free:

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Marine Mount Series (27166)

Dimensions & Performance Characteristics

NOTE: SEE BELOW FOR 3/4 STUD INFORMATION



27166 Marine Mounts are compact, captive marine isolators designed to support light to medium loads from 138-750 lbs. per mount.

They provide effective noise and vibration isolation of marine engines up to 400 horsepower.

NATURAL FREQUENCY	10-16 Hertz
TRANSMISSIBILITY AT RESONANCE	8:1
RESILIENT ELEMENT	Neoprene
STANDARD MATERIALS	Corrosion resistant steel & Aluminum
WEIGHT	4.25 lbs.

PART #	LOAD RANGE (lbs.)								MINIMUM LOAD (lbs.)	MAXIMUM LOAD (lbs.)
	0	100	200	300	400	500	600	700	800	
27166-4*	↔								138	225
27166-7+	↔								190	350
27166-6	↔								300	500
27166-3	↔								450	750

* Order Part #27166-8 for 3/4" stud and adjustability from 4.82 max to 3.51 min.

+ Order Part #27166-9 for 3/4" stud and adjustability from 4.82 max to 3.51 min



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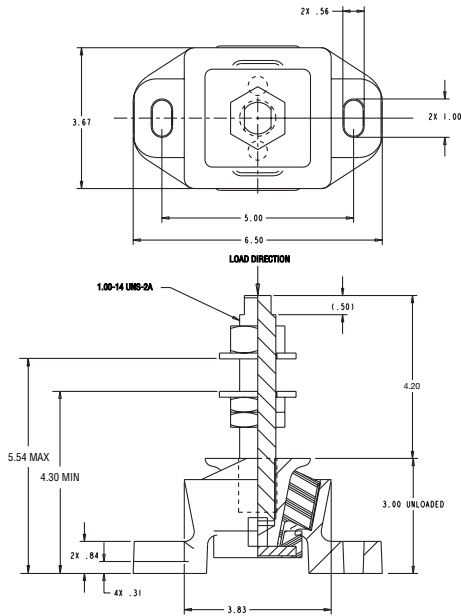
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Marine Mount Series (27391)

Dimensions & Performance Characteristics



27391 Marine Mounts are compact, captive marine isolators designed to support medium loads from 125-1000 lbs. per mount.

They provide effective noise and vibration isolation of marine engines up to 500 horsepower and are ideal for V-drive applications.

NATURAL FREQUENCY	8-14 Hertz
TRANSMISSIBILITY AT RESONANCE	8:1
RESILIENT ELEMENT	Neoprene
STANDARD MATERIALS	Corrosion resistant steel & Aluminum
WEIGHT	6.15 lbs.

PART #	LOAD RANGE (lbs.)					MINIMUM LOAD (lbs.)	MAXIMUM LOAD (lbs.)
	125	250	500	750	1,000		
27391-2	↔					125	275
27391-3	↔					250	500
27391-4	↔					350	750
27391-5	↔					500	1,000



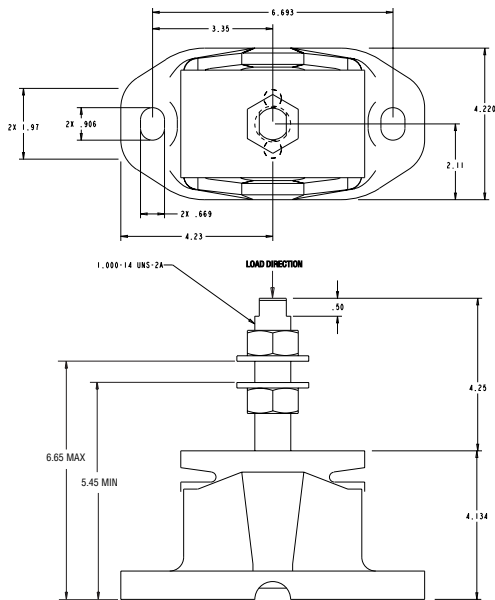
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Dimensions & Performance Characteristics



27458 Marine Mounts are compact, captive marine isolators designed to support medium to heavy loads from 350-1,980 lbs. per mount.

They provide effective noise and vibration isolation of marine engines up to 1,000 horsepower and are ideal for V-Drive applications.

NATURAL FREQUENCY	10-16 Hertz
TRANSMISSIBILITY AT RESONANCE	8:1
RESILIENT ELEMENT	Neoprene
STANDARD MATERIALS	Corrosion resistant steel & Aluminum
WEIGHT	10.6 lbs.

PART #	LOAD RANGE (lbs.)	MINIMUM LOAD (lbs.)	MAXIMUM LOAD (lbs.)
	<div> <div>300</div> <div>500</div> <div>1,000</div> <div>1,500</div> <div>2,000</div> </div>		
27458-2		350	814
27458-3		506	1,056
27458-4		726	1,430
27458-5		880	1,980



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NAVY MOUNT SERIES

Features

- Rugged Construction
- Corrosion Resistant
- Navy Designed & Approved

Benefits

- Reduces transmission of vibration from equipment to hull structure
- Provides effective reduction of structure-borne noise

Load Range

- Several designs with load ratings from 15 lbs to 10,000 lbs per mount

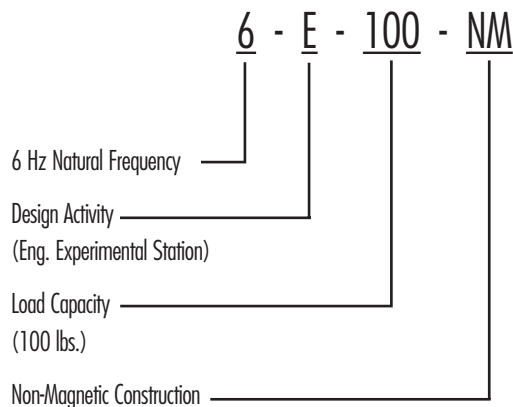
Navy mounts are U.S. Navy developed and QPL approved mounts commonly known as Portsmouth, EES and Mare Island mounts for use in mounting power generating equipment. These mounts resist high impact shipboard shocks and prevent structure-borne noise.

Applications

- Mounting of power generating equipment in marine applications

Part Numbering Systems

- Natural Frequency is the numerical prefix of the Navy type number and indicates the axial natural frequency of the mount when loaded to its specified capacity.
- Design Activity is the single letter following the numerical prefix:
M = Mare Island Naval Shipyard, P = Portsmouth Naval Shipyard,
E = Engineering Experimental Station, B = NAVSHIPS.
- Capacity is the numbers following the design activity designation and indicates the maximum rated capacity of the mount in pounds.
- Metal Member: If non-magnetic construction is required, NM should be added to the end of the Navy Mount part number. Suffix "H" denotes natural rubber only (5,000 and 10,000 lbs. mounts).



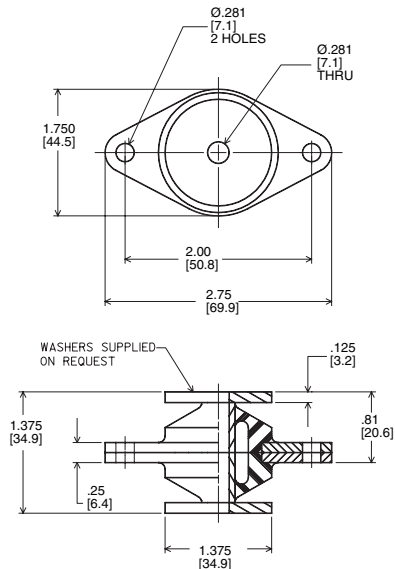
Environmental Data

- Naval mounts are fully qualified to the following military specifications: MIL-M-19379 (10M/11M Series) MIL-M-17191 (15P Series), MIL-M-17508 (6E and 7E Series), MIL-M-21649 (5M10000) and MIL-M-19863 (5B5000H).

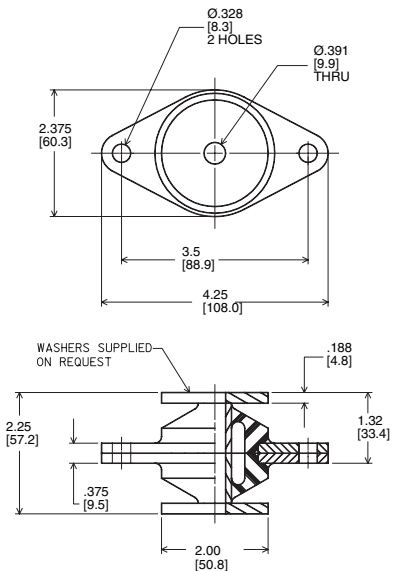
Navy Mount Series (Mare Island Mounts)

Dimensions & Performance Characteristics

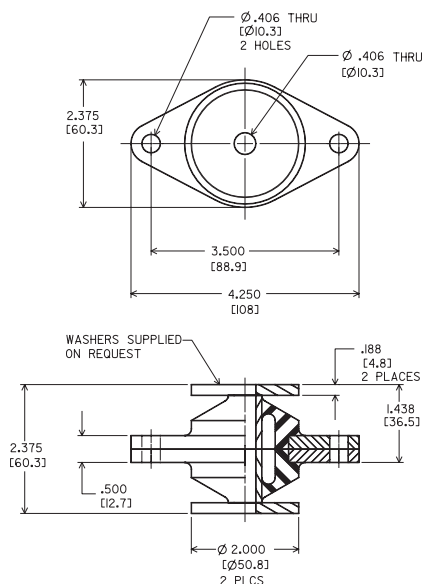
NAVY MOUNT 31110-2



NAVY MOUNT 31110-1



NAVY MOUNT 31111-1



Part #	Navy Type #	Capacity (lbs)	Natural Frequency	Weight
31110-2	11M15	15	11 Hz	1 lb.
31110-1	11M25	25	11 Hz	1 lb.
31111-1	10M50	50	10 Hz	1 lb.
31114-1	6E100	100	6 Hz	2.8 lbs.
31115-1	7E450	450	7 Hz	4.5 lbs.
31114-3	6E900	900	6 Hz	18 lbs.



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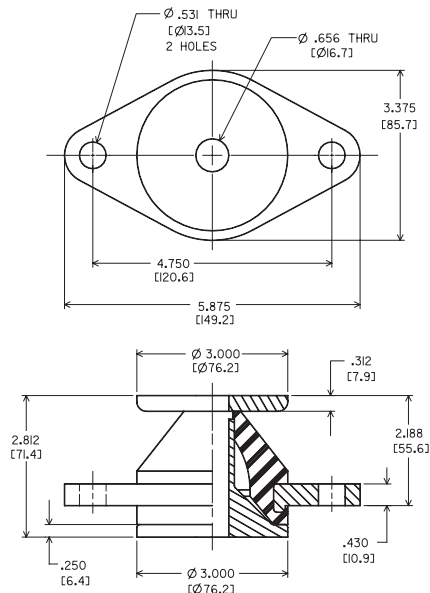
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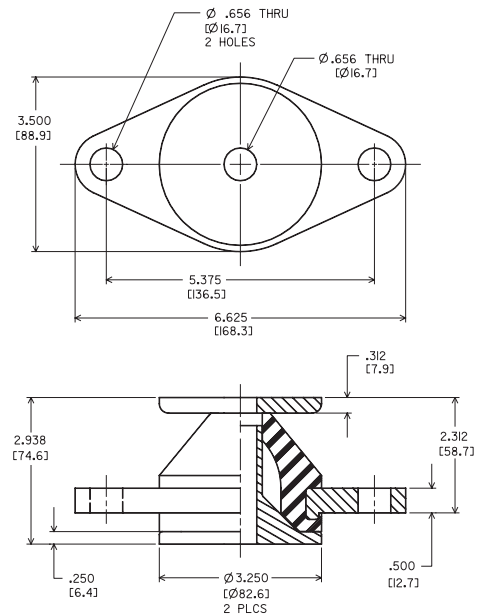
Navy Mount Series (EES Machinery Mounts)

Dimensions & Performance Characteristics

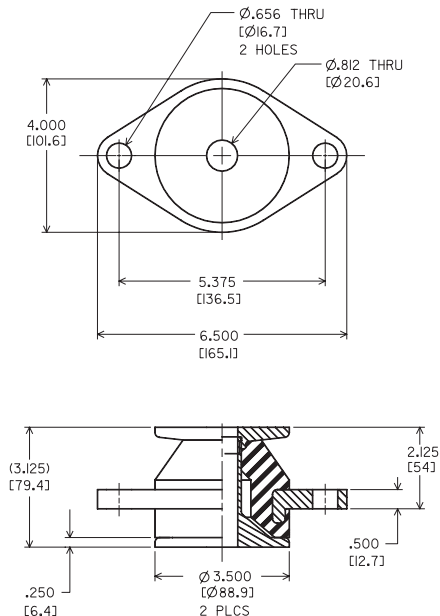
NAVY MOUNT 31114-1



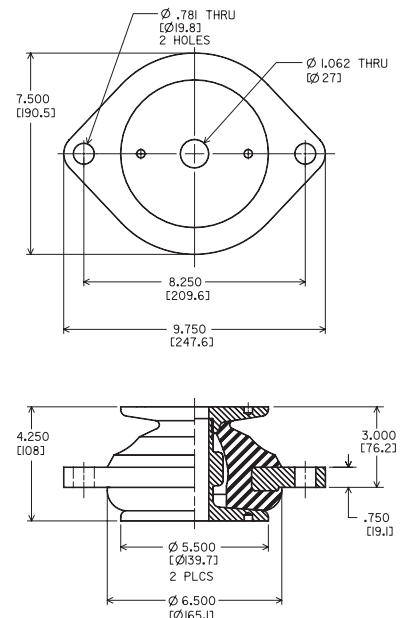
NAVY MOUNT 31114-2



NAVY MOUNT 31115-1



NAVY MOUNT 31114-3



Barry Controls
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Dimensions and data are subject to change without notice.

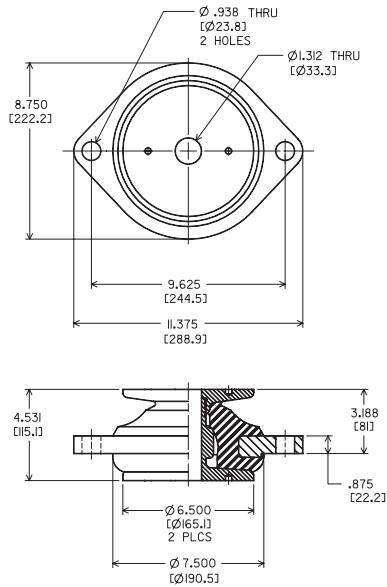
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Navy Mount Series (EES Machinery Mounts & 5B5000H)

Dimensions & Performance Characteristics

NAVY MOUNT 31114-4

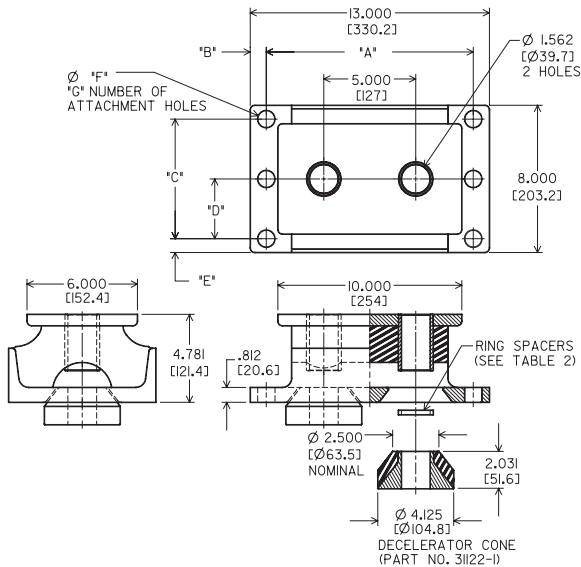


Part #	Navy Type #	Capacity (lbs)	Natural Frequency	Weight (lbs.)
31114-4	6E2000	2000	6 Hz	28.6

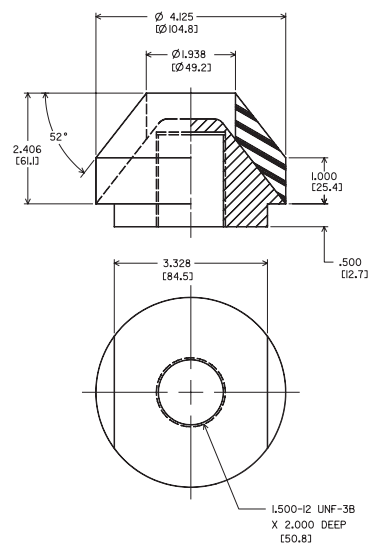
All Parts of Type 31120 have 5000 lb capacity and 5 Hz Natural Frequency

Part #	A	B	C	D	E	F
31120-1-0	-	-	-	-	-	-
31120-1-4	10.75	1.125	5.75	-	1.125	1.281
31120-1-6	11.25	.875	6.5	3.25	.75	.906

Part Numbers 31120-1-0 through 31120-1-6
Navy Type Number 5B5000H



Part Number 31121-1
Auxiliary Snubber for P/N 31120-1



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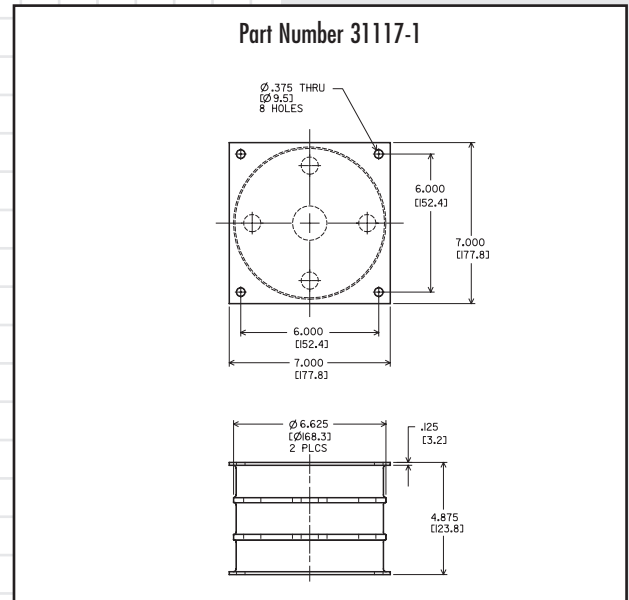
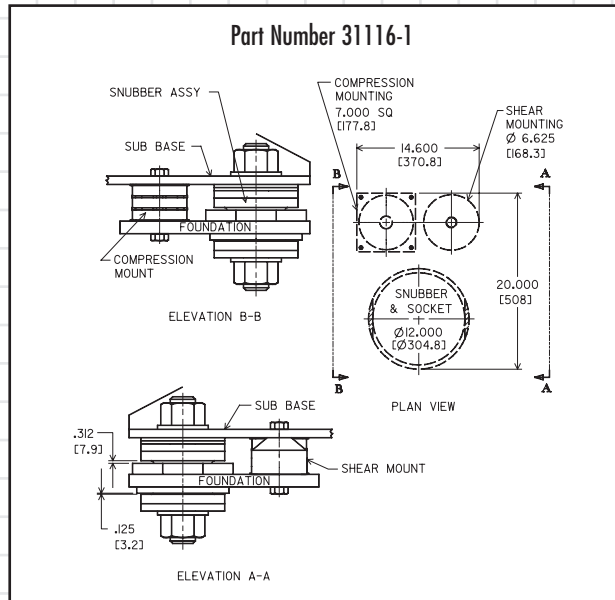
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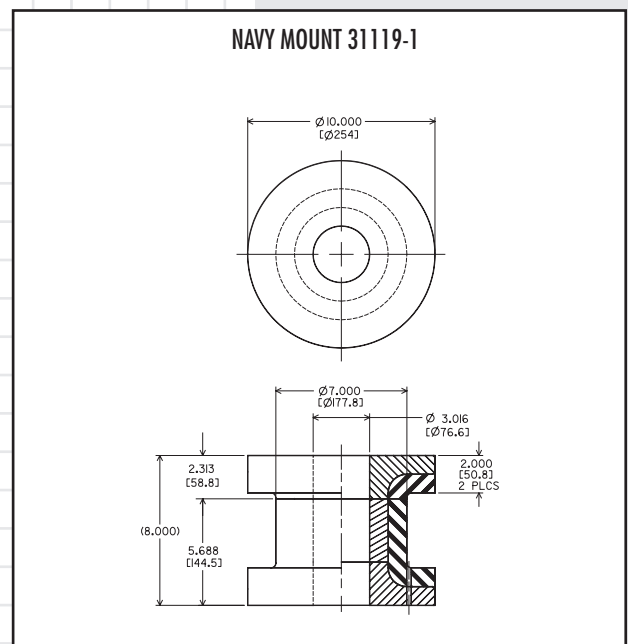
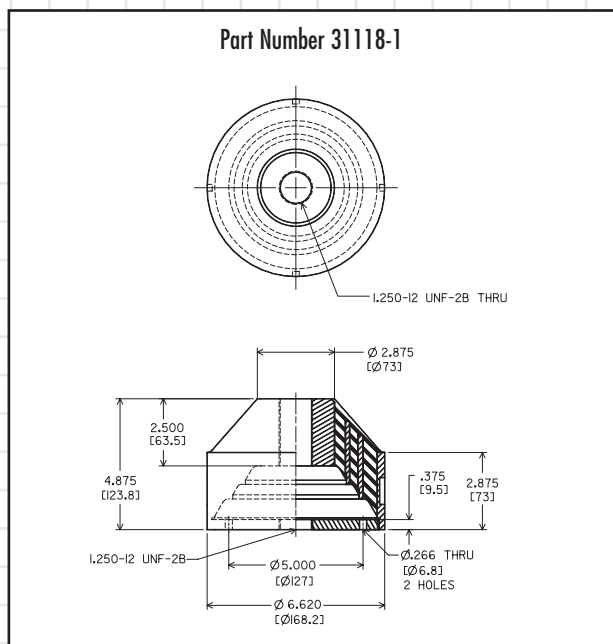
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Navy Mount Series (5M10000H)

Dimensions & Performance Characteristics

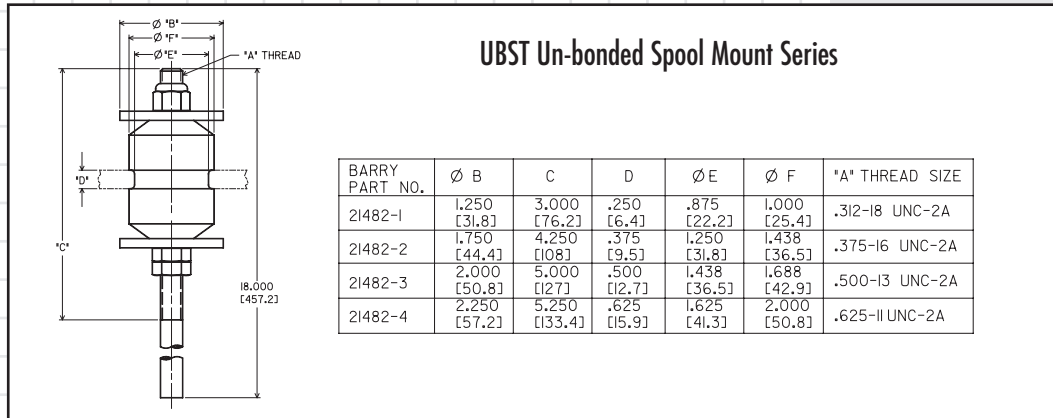


Part #	Navy Type #	Description	Load Rating	Natural Frequency	Weight
31116-1	5M10000H	Complete Assembly	10000 lbs for complete assembly	5 Hz for complete assembly	98.5 lbs.
31117-1	5M10000H	Compression Element			13.2 lbs.
31118-1	5M10000H	Shear Element			14.1 lbs.
31119-1	5M10000H	Snubber Element			71.1 lbs

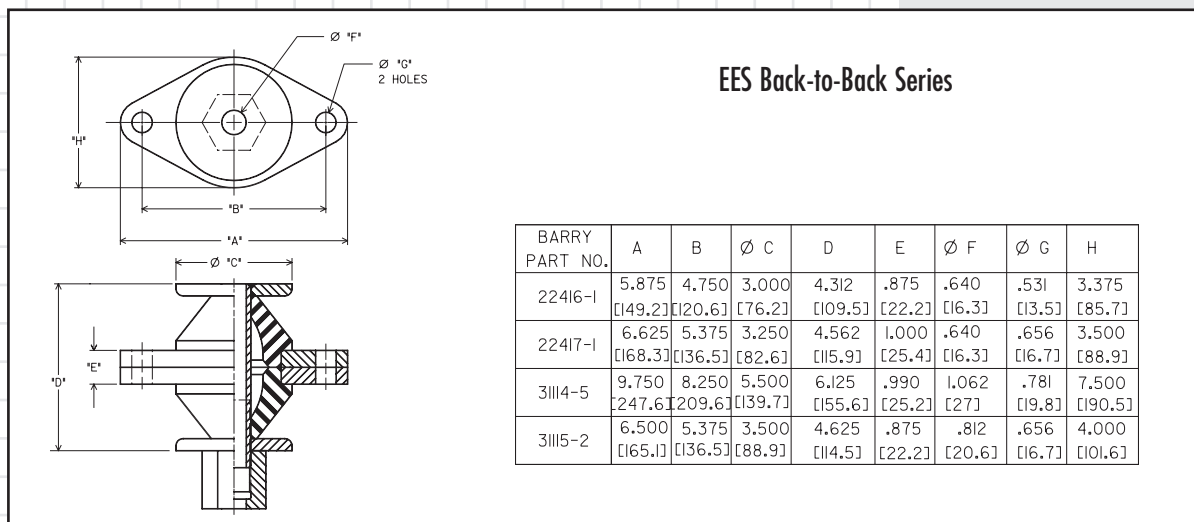


Navy Mount Series (UBST and EES Back-to-back Mounts)

Dimensions & Performance Characteristics



Part #	Navy Type #	Capacity (lbs)
21482-1	UBST-15	15
21482-2	UBST-50	50
21482-3	UBST-100	100
21482-4	UBST-200	200
22416-1	6E100BB	100
22417-1	6E150BB	150
31114-5	6E900BB	900
31115-2	7E450BB	450

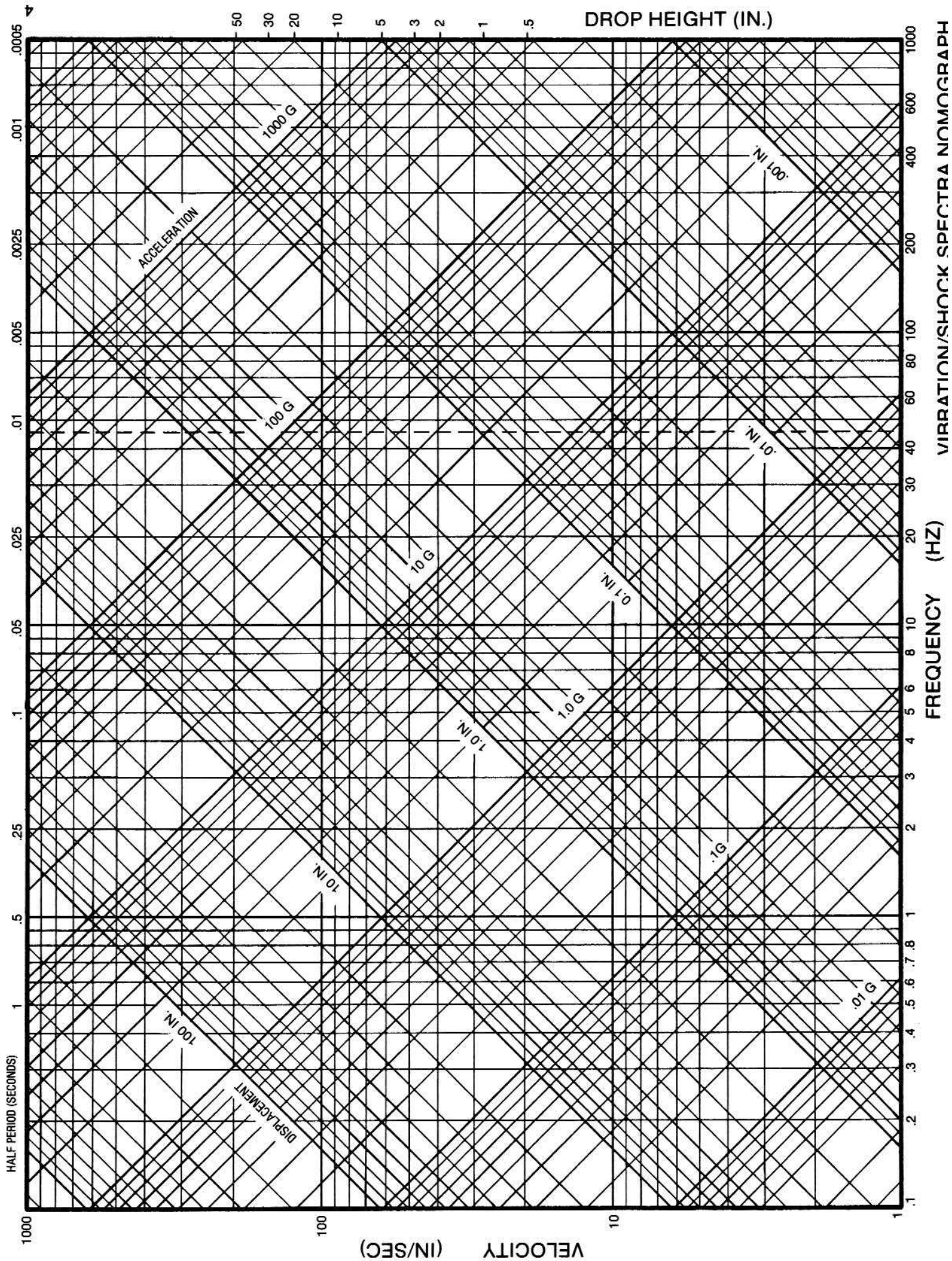


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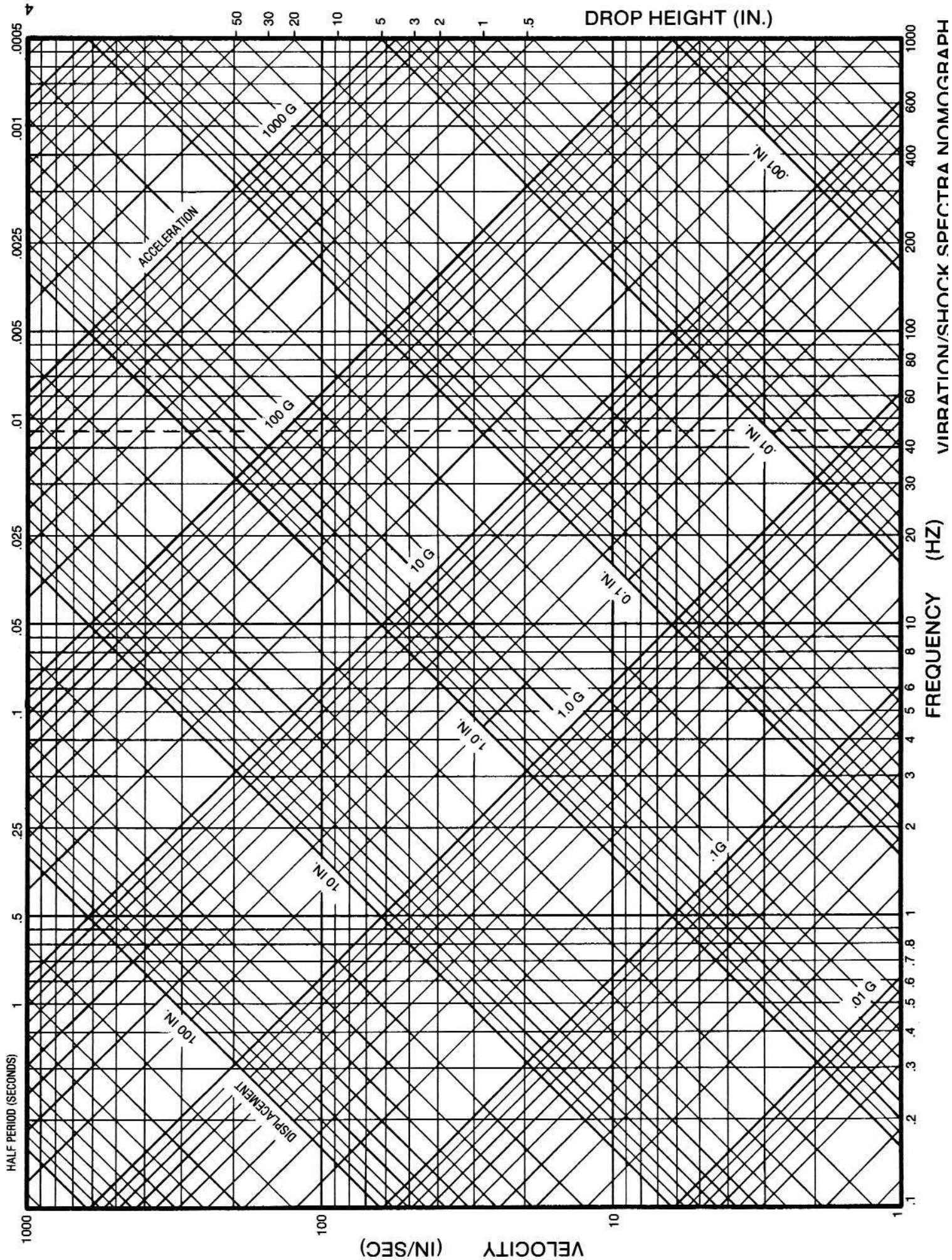
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Notes



Notes