CYLINDRICAL STUD MOUNT SERIES

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

APPLICATIONS

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

FEATURES

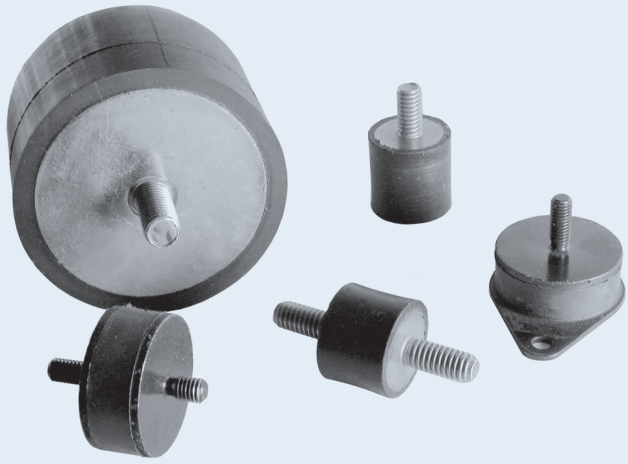
- Low-cost
- Axial to radial stiffness of 5:1
- Compact, low-profile design

BENEFITS

- Compact size minimizes required mounting space
- Mounting permitted at any angle

LOAD RANGE

- Load ratings to 260 lbs. per mount



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.

Specifications

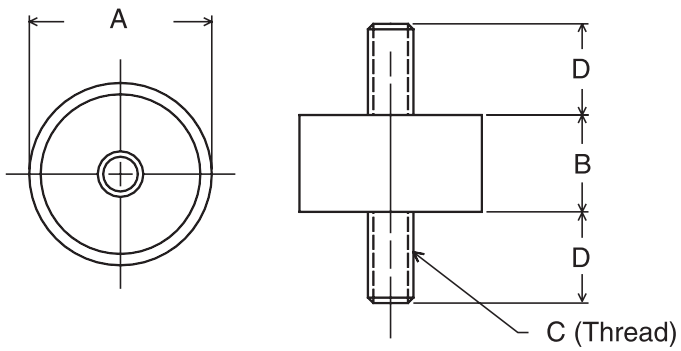
• Natural Frequency	7-28 Hertz
• Transmissibility at resonance	8:1
• Resilient Element	Neoprene & Natural Rubber
• Standard Materials	Low carbon steel

Environmental Data

- Neoprene elastomer has an operating temperature range of -20°F to +180°F (-30°C to +82°C) and is resistant to oils, most solvents and ozone.
- Natural Rubber elastomer has an operating temperature range of -40°F to +180°F (-40°C to +82°C).
- Other materials are available on special order to meet specific operating characteristics.

Dimensions

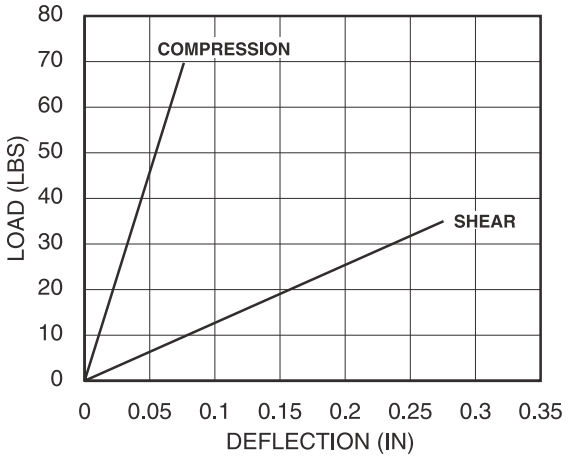
Double Stud (Male/Male) Series
Dimensional Drawing (Inches)



					Compression		Shear		
Part #	A	B	C	D	Max. Load (lbs.)	Natural Frequency (Hz)	Max. Load (lbs.)	Natural Frequency (Hz)	Material
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
A22-172	1.000	0.750	0.250-20	0.625	90.0	14.0	50.0	10.0	Neoprene
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

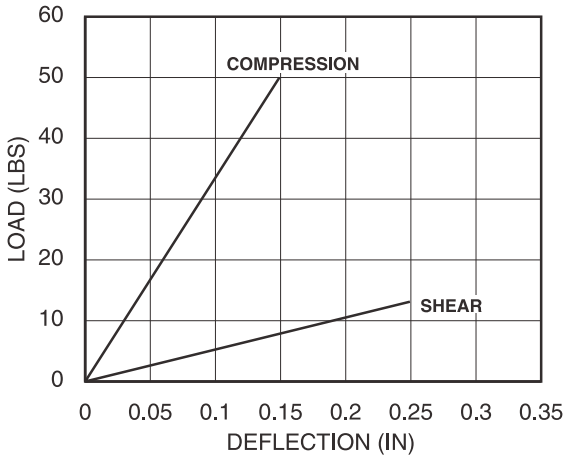
Performance Characteristics

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	30.0

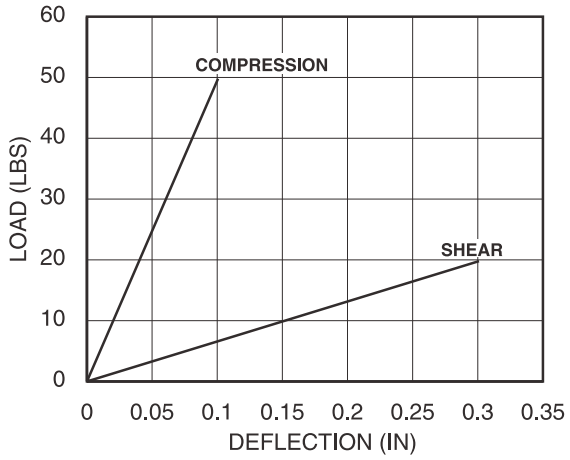
A23-141 Load vs Deflection



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

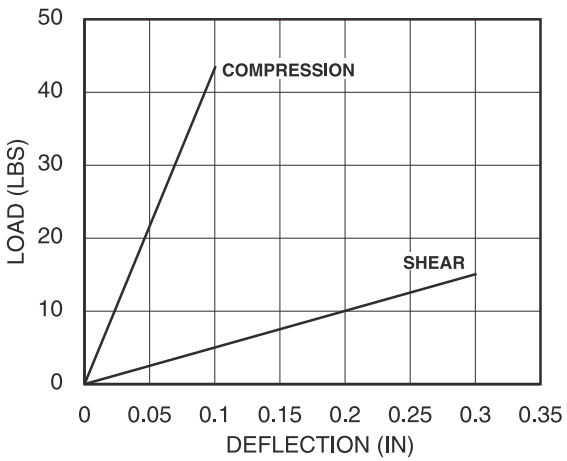
Performance Characteristics

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

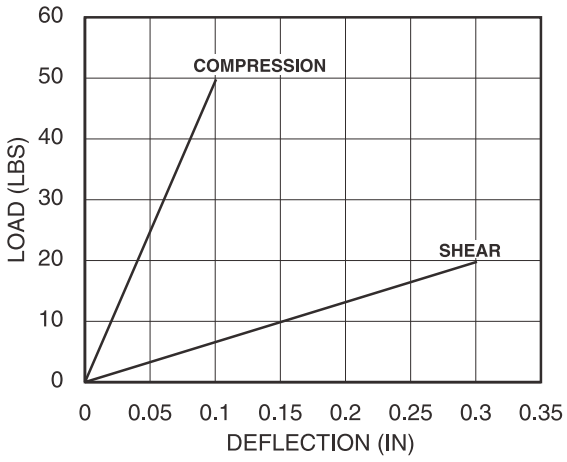
A22-131 Load vs Deflection



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

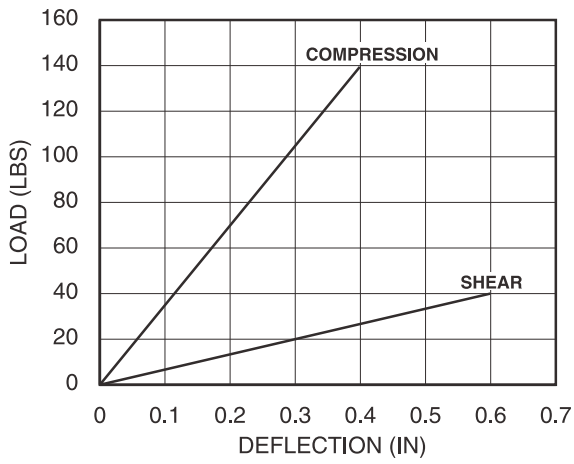
Performance Characteristics

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	17.0
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

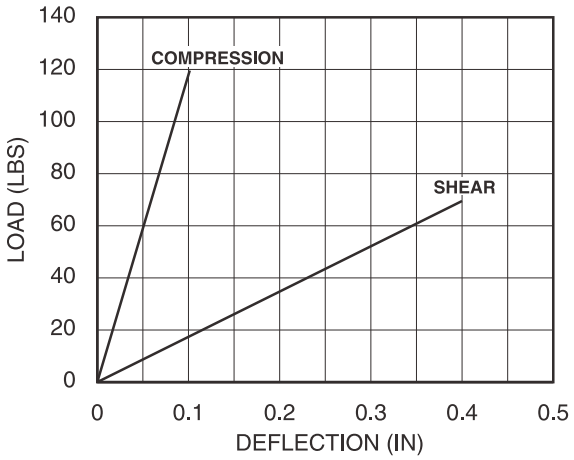
A34-141 Load vs Deflection



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

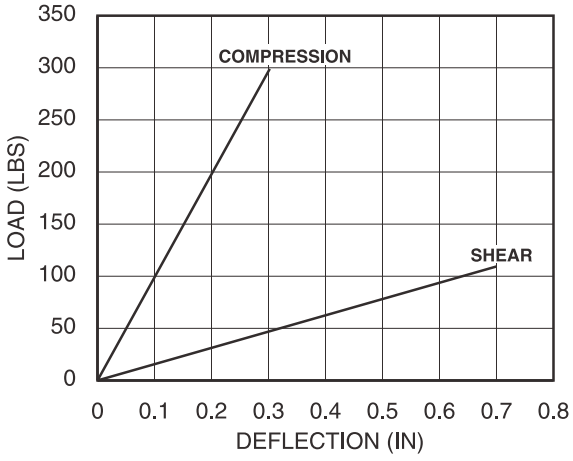
Performance Characteristics

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

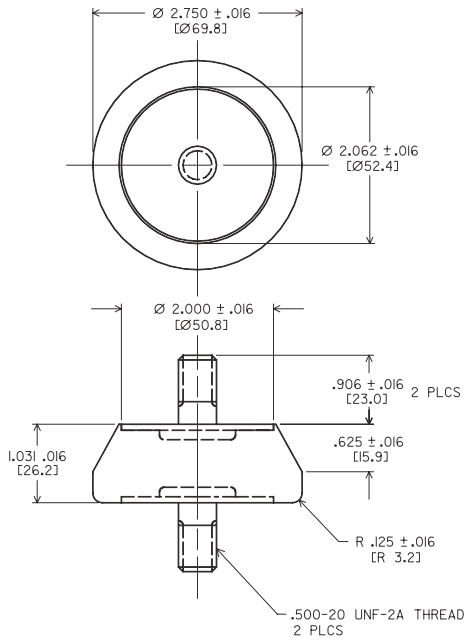
A43-151 Load vs Deflection



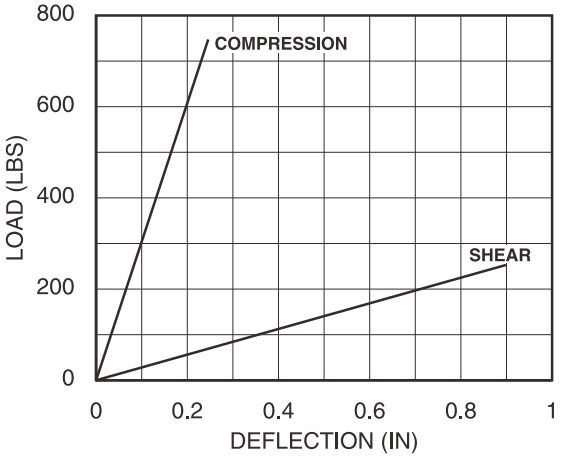
Static Load (lbs.)	Natural Frequency (Hertz)
IN SHEAR	
32.0	7.5
24.0	8.0
16.0	10.0
12.0	12.0
10.0	13.0
6.0	17.0
4.0	20.0
IN COMPRESSION	
96.0	10.0
68.0	12.0
48.0	13.0
32.0	17.0
24.0	20.0

Dimensions & Performance Characteristics

G05-141 CYLINDRICAL STUD MOUNT
Dimensional Drawing



G05-141 Load vs Deflection

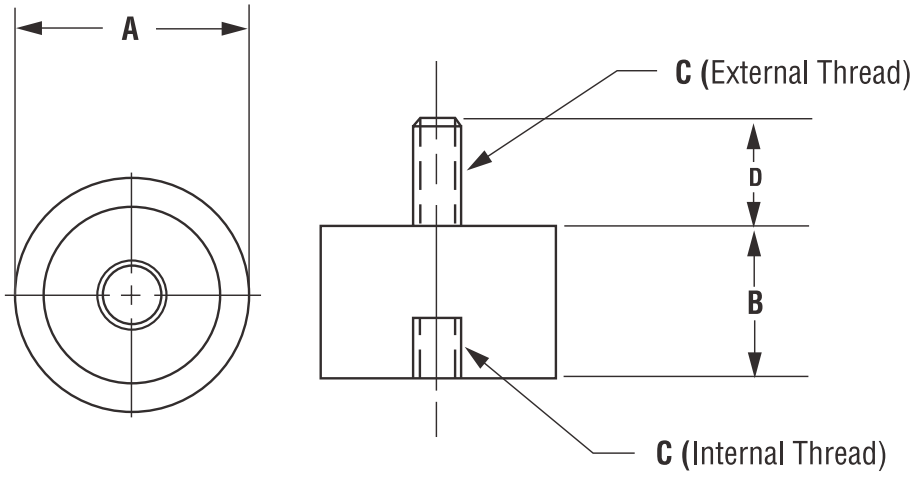


Static Load (lbs.) IN SHEAR	Natural Frequency (Hertz)
70.0	6.0
60.0	7.5
45.0	8.0
35.0	10.0
30.0	12.0
19.0	13.0
17.0	17.0
9.0	20.0
IN COMPRESSION	
260.0	10.0
190.0	12.0
140.0	13.0
90.0	17.0
60.0	20.0
24.0	30.0

Performance Characteristics

STUD/INSERT (MALE/FEMALE) SERIES

Dimensional Drawing (Inches)

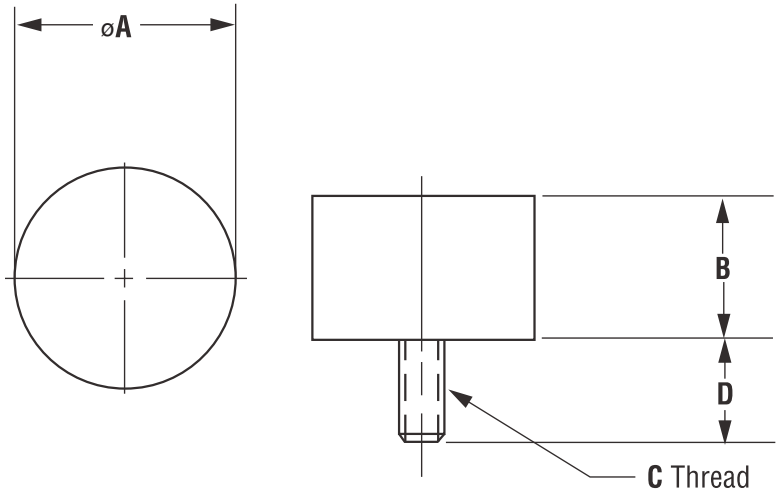


					Compression		Shear		
Part #	A	B	C	D	Max. Load (lbs.)	Natural Frequency (Hz)	Max. Load (lbs.)	Natural Frequency (Hz)	Material
27052-01	0.438	0.438	#6-32	0.250	4.0	13.5	1.0	12.0	Natural Rubber
27052-02	0.438	0.438	#8-32	0.250	4.0	13.5	1.0	12.0	Natural Rubber
27052-07	0.563	0.500	#10-32	0.375	8.0	19.0	2.0	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

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