CYLINDRICAL STUD MOUNT SERIES

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

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

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.

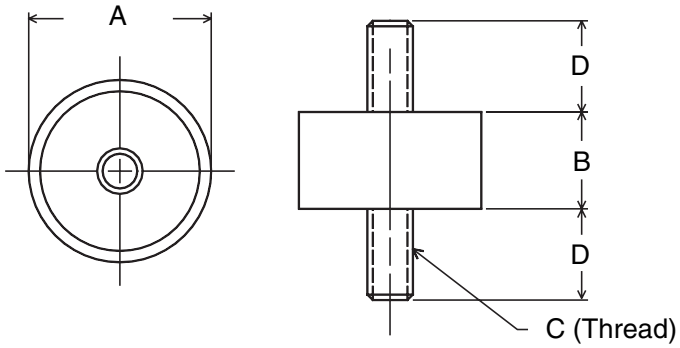
BARRY CONTROLS®
THE STEADY FORCE IN SHOCK & VIBRATION ISOLATION

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

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
A22-071	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

BARRY CONTROLS®

THE STEADY FORCE IN SHOCK & VIBRATION ISOLATION

Dimensions and data are subject to change without notice.

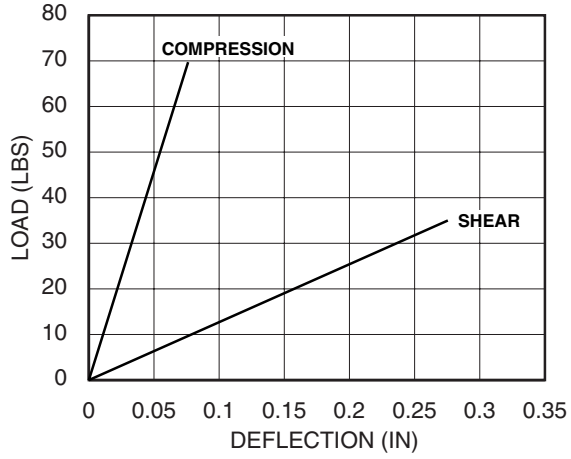
For technical, design, or application assistance, call toll free: 1-800-BARRY MA

Barry Controls
40 Guest Street • Brighton, MA 02135-9105 • (617) 787-1555 • Fax (617) 787-7807

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

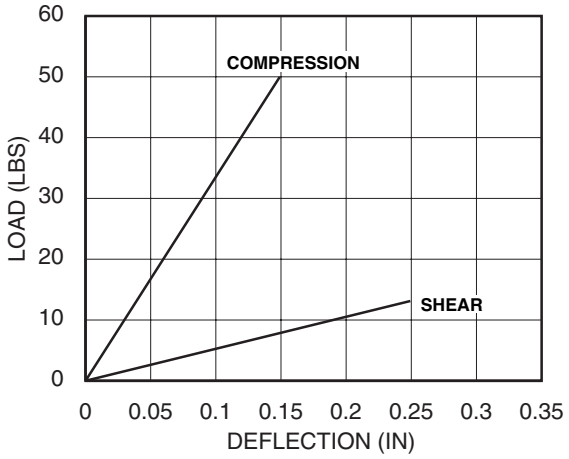
Performance Characteristics

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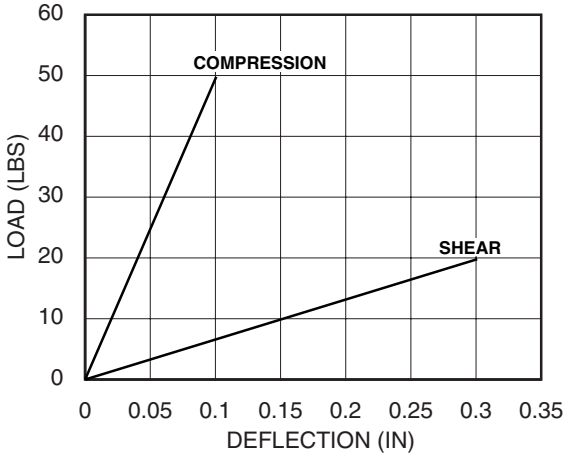
Cylindrical Stud Mounts:Double Stud (Male/Male) Series

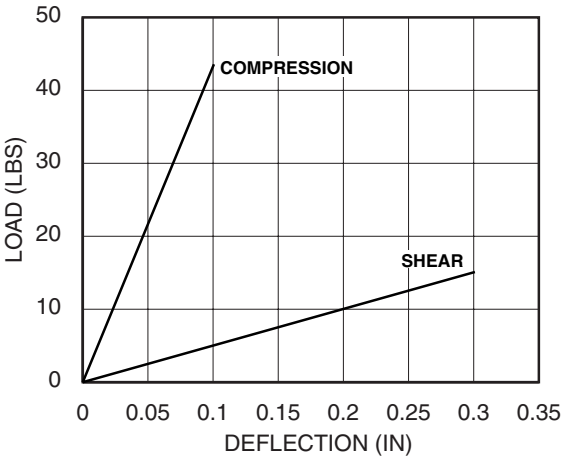
Performance Characteristics

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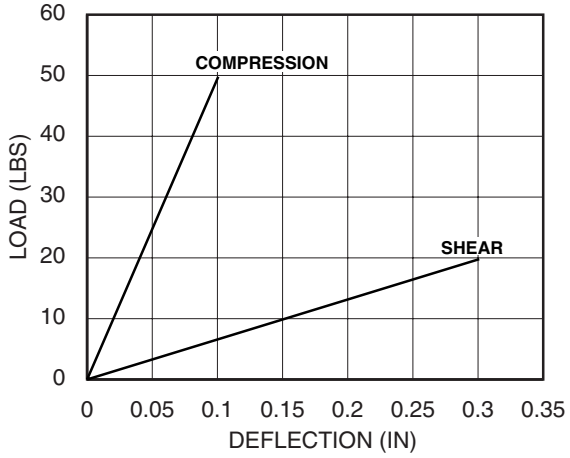
Cylindrical Stud Mounts:Double Stud (Male/Male) Series

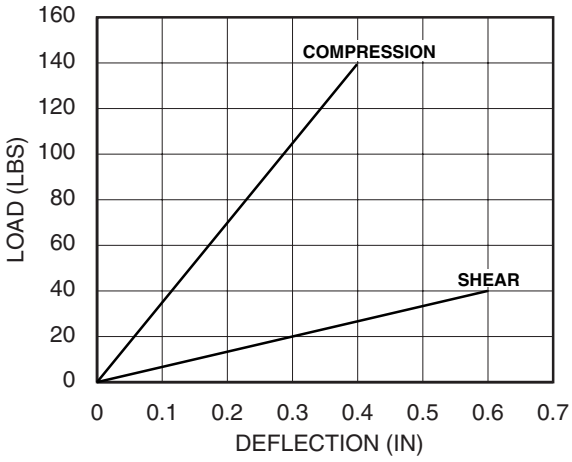
Performance Characteristics

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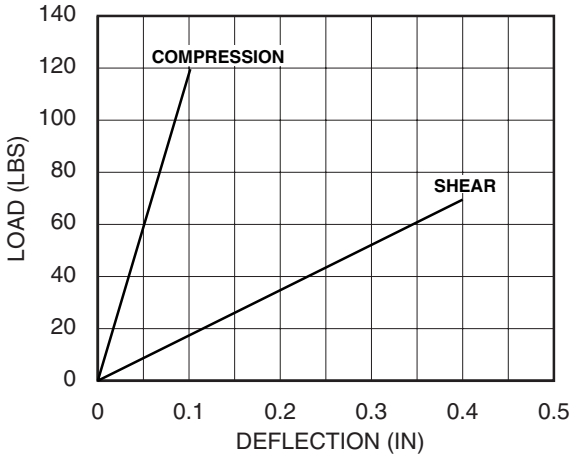
Cylindrical Stud Mounts:Double Stud (Male/Male) Series

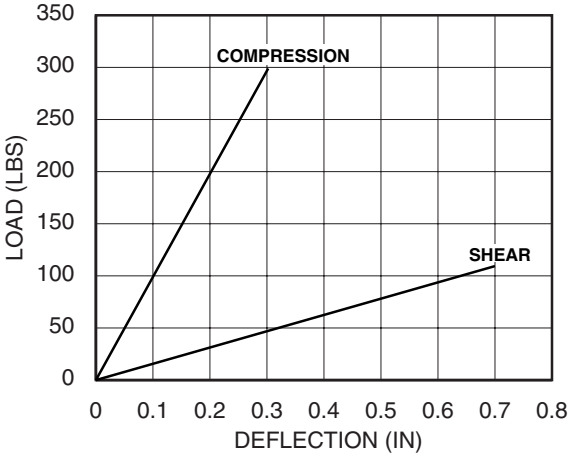
Performance Characteristics

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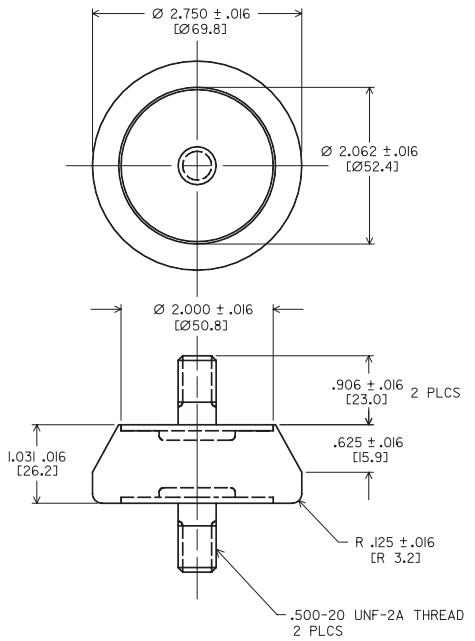
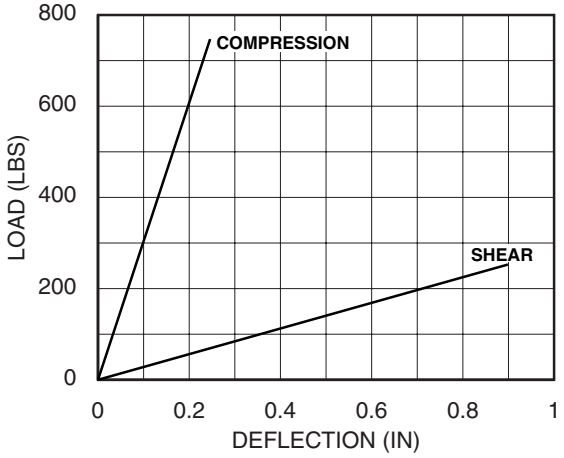
Double Stud (Male/Male) Series (G05-141)

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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