

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

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

APPLICATIONS

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

FEATURES

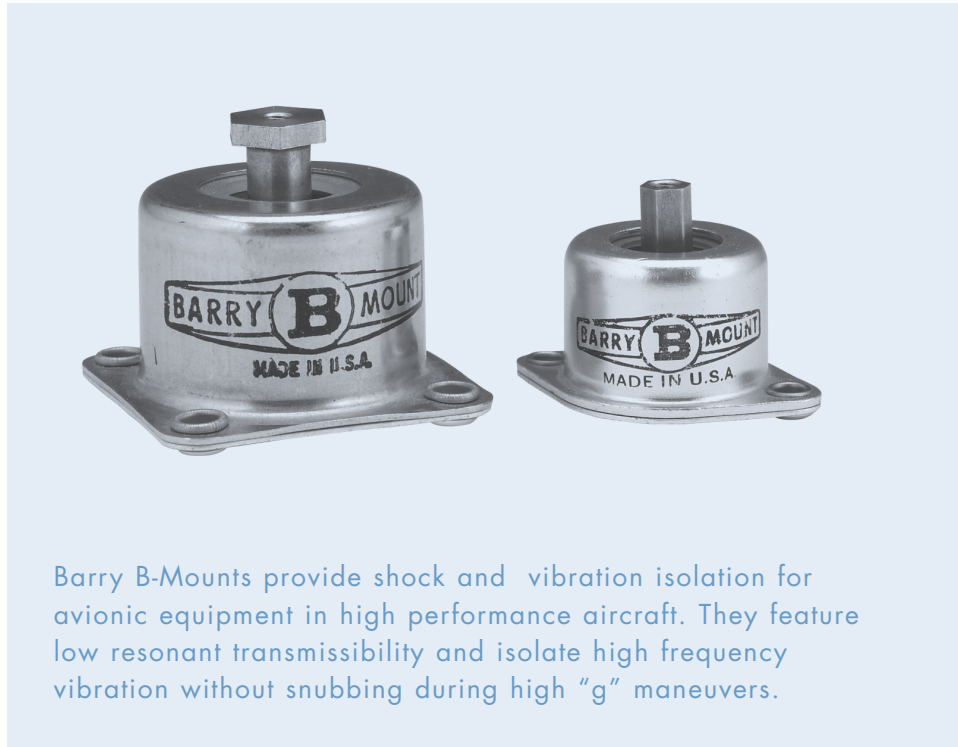
- Low resonant transmissibility
- Metal spring with friction damping
- All-attitude mounting
- Aluminum or stainless steel outer cup and core
- Fail safe construction
- Axial to radial stiffness of 1:1

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



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.

Specifications

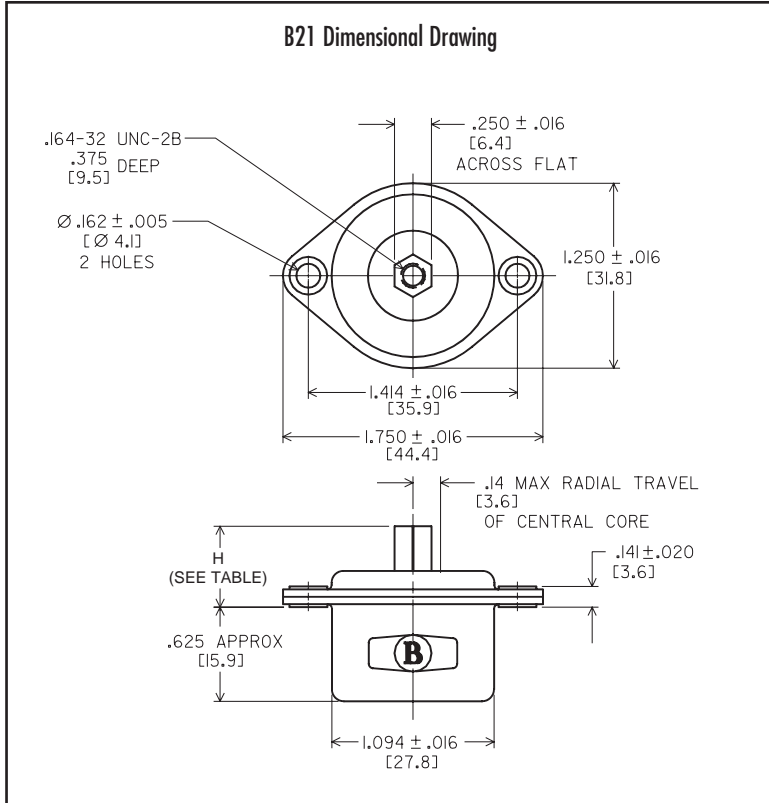
• Natural Frequency	15-30 Hertz
• Transmissibility at resonance	3.0 Max.
• Resilient Element	Friction damped spring
• Standard Materials	Varies w/model
• Weight	See Tables

Environmental Data

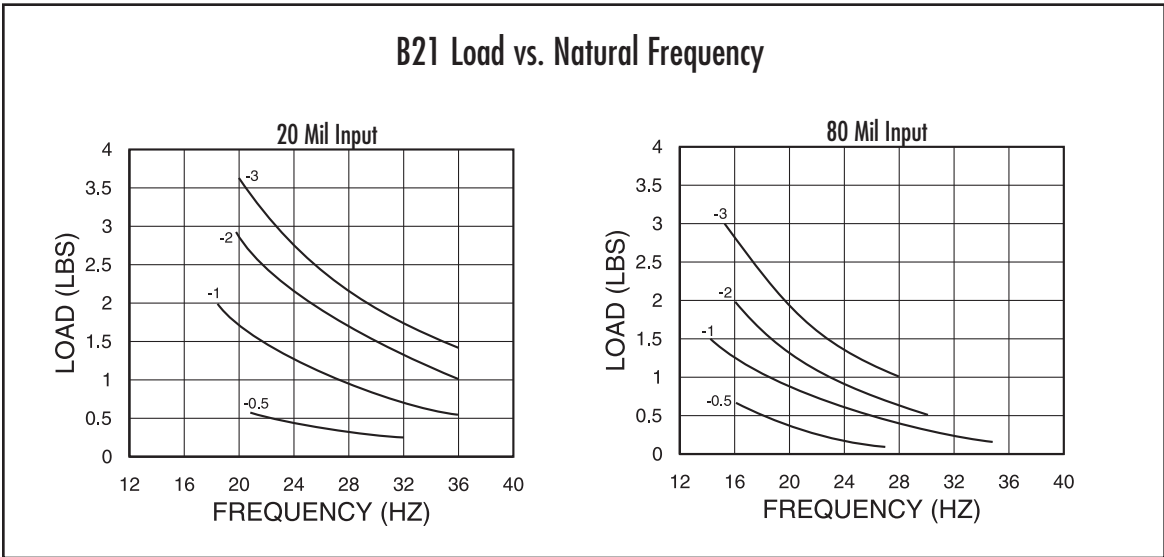
- Operating temperature range -85°F to +250°F (-65°C to +120°C).
- Meets strength, corrosion resistance and environmental requirements of MIL-E-5272, MIL-E-5400 and MIL-STD-810.

B-MOUNT SERIES: B21

Dimensions & Performance Characteristics

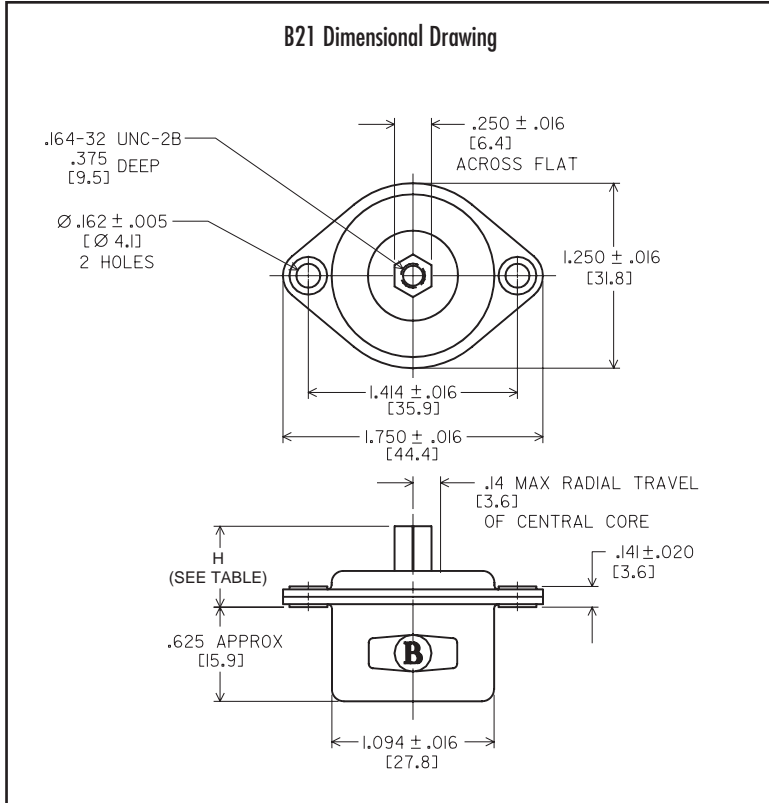


B21 SERIES "H" DIMENSION	
Compressed	.266
Approx. Free	.547
Max. Extended	.813

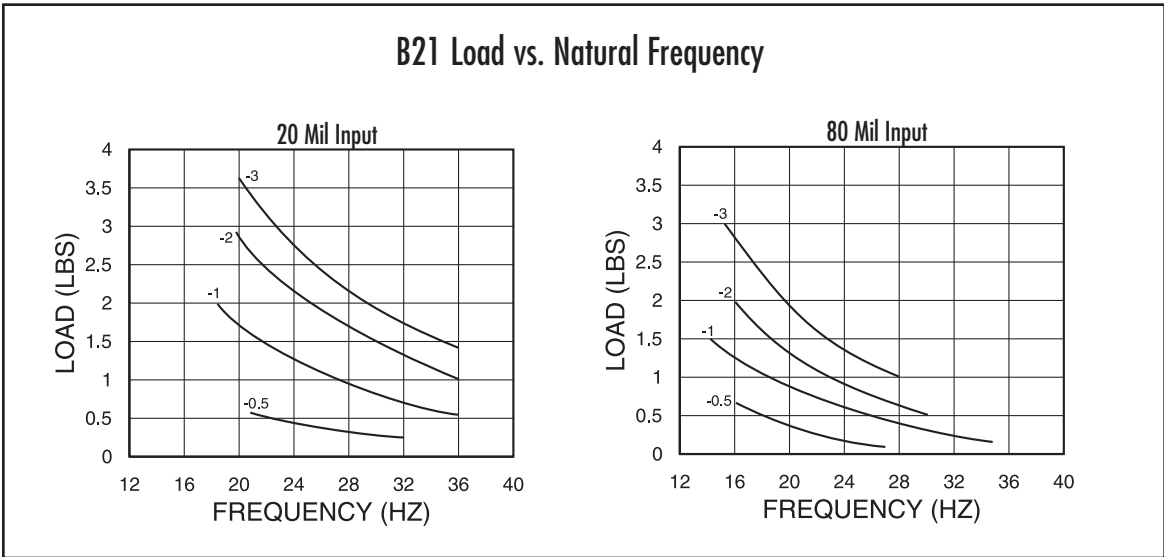


B-MOUNT SERIES: B21

Dimensions & Performance Characteristics

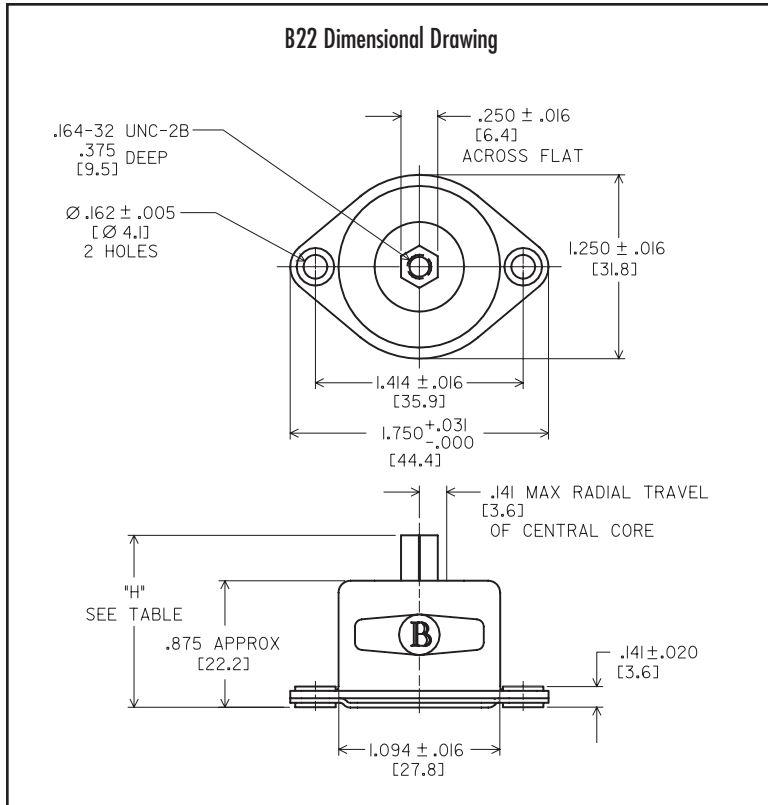


B21 SERIES "H" DIMENSION	
Compressed	.266
Approx. Free	.547
Max. Extended	.813

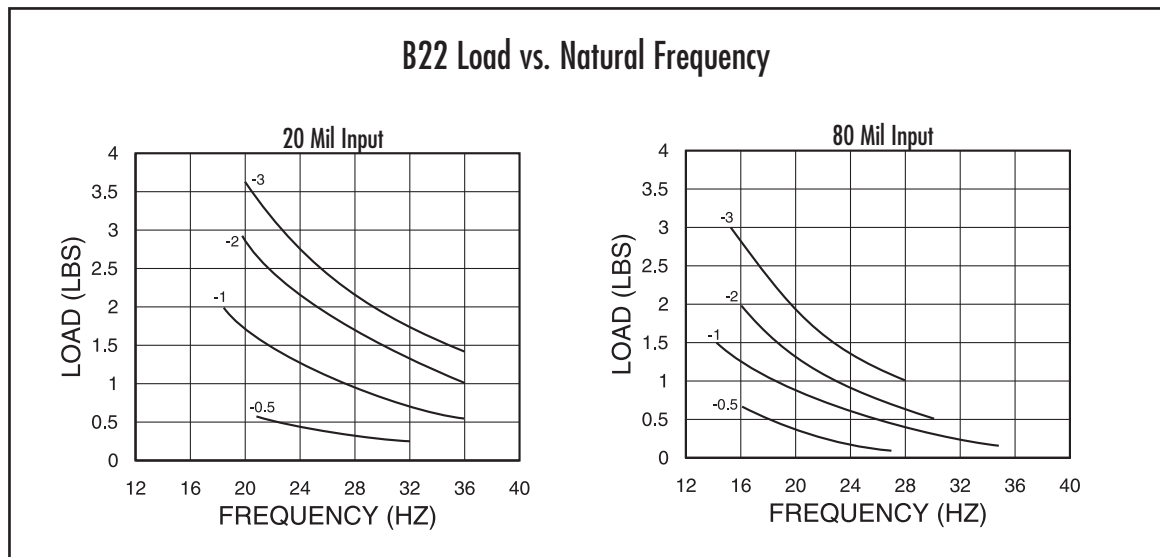


B-MOUNT SERIES: B22

Dimensions & Performance Characteristics

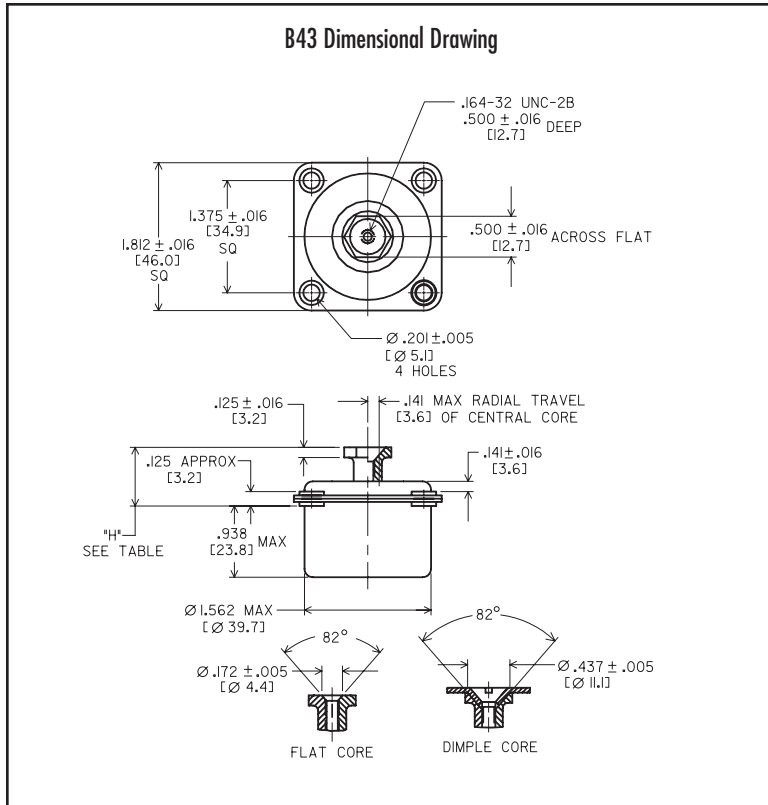


B22 SERIES "H" DIMENSION	
Compressed	.891
Approx. Free	1.172
Max. Extended	1.438

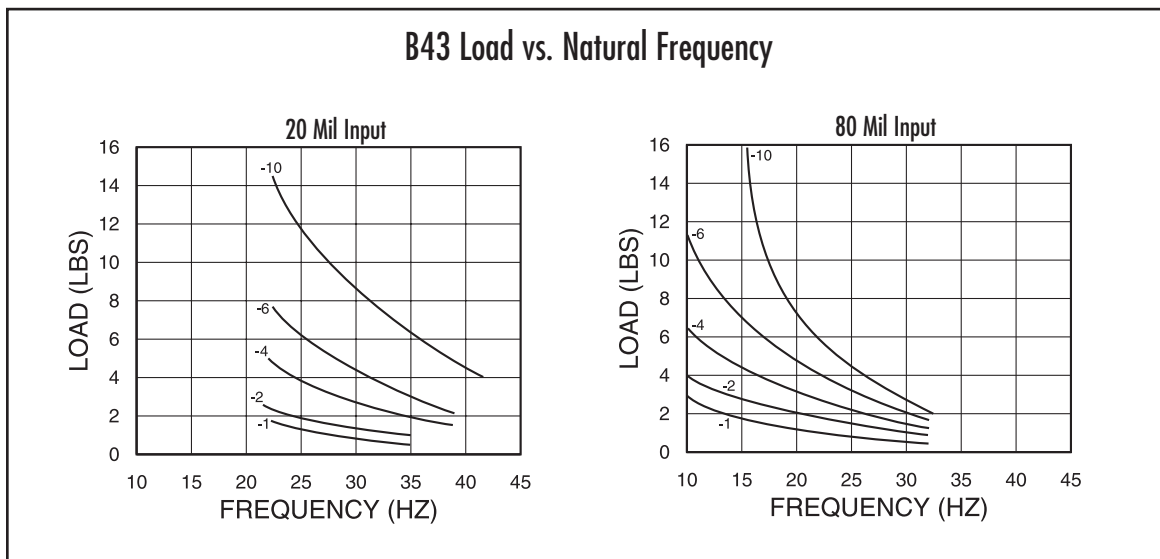


B-MOUNT SERIES: B43

Dimensions & Performance Characteristics

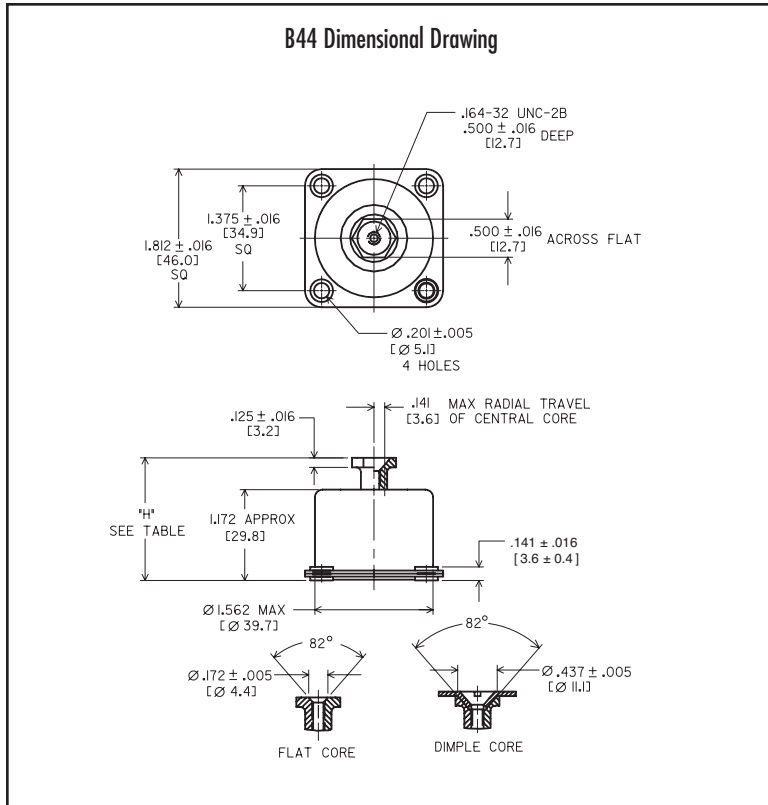


B43 SERIES "H" DIMENSION	
Compressed	.344
Approx. Free	.672
Max. Extended	.953

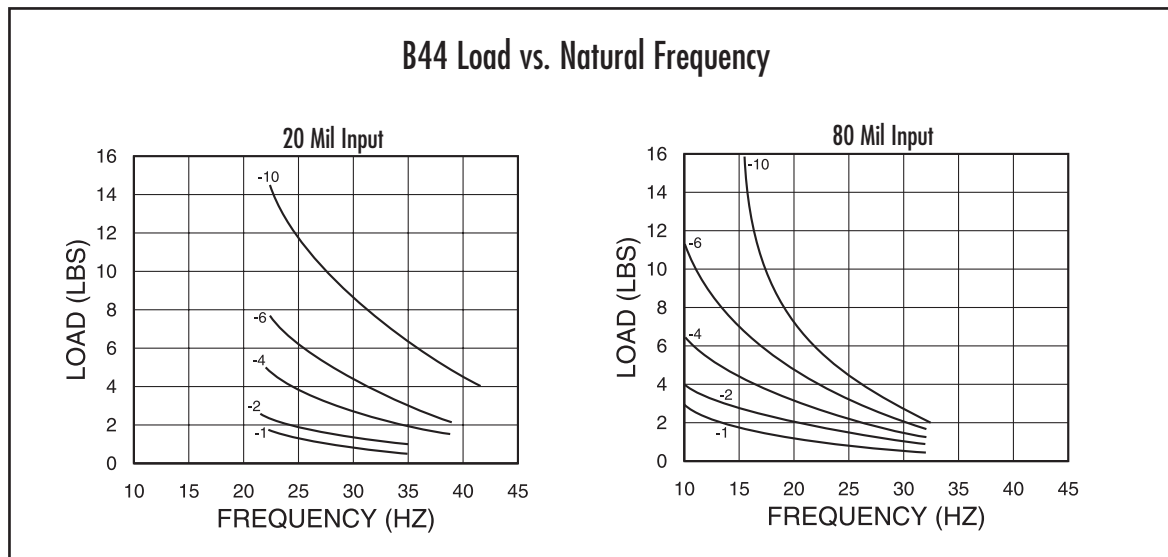


B-MOUNT SERIES: B44

Dimensions & Performance Characteristics

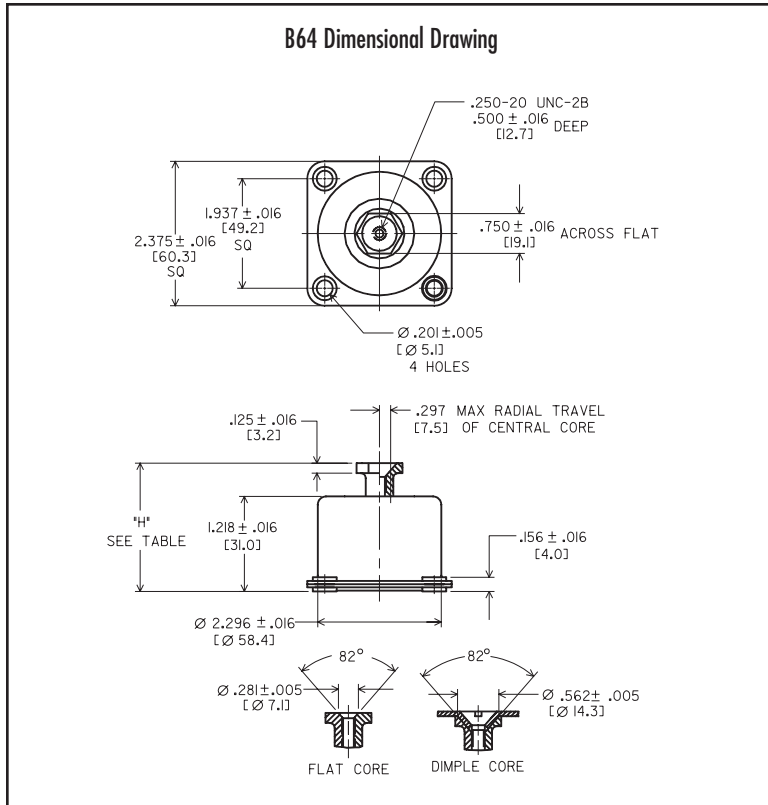


B44 SERIES "H" DIMENSION	
Compressed	1.328
Approx. Free	1.578
Max. Extended	1.858

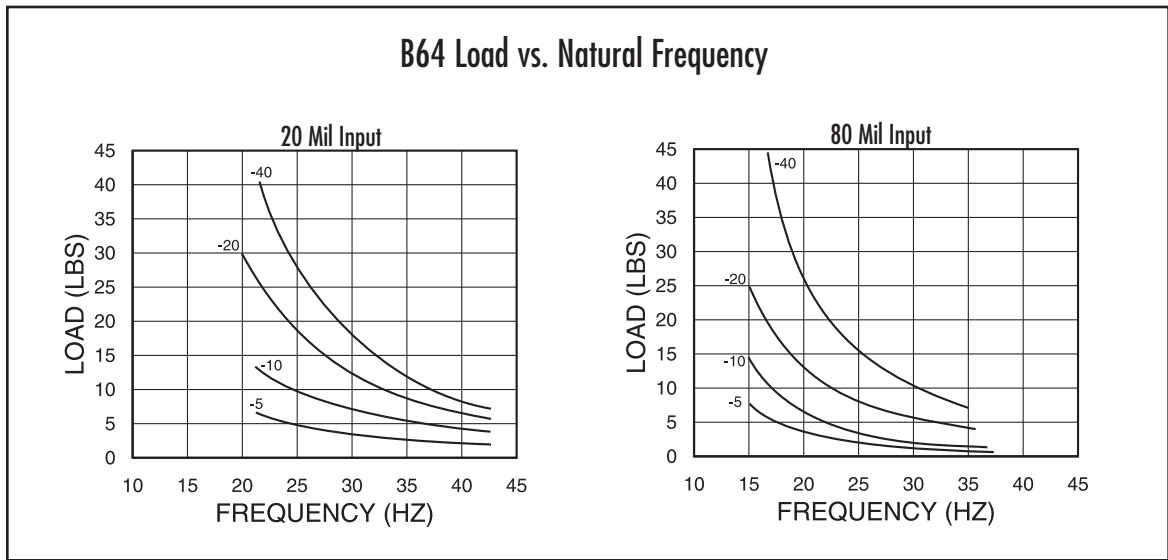


B-MOUNT SERIES: B64

Dimensions & Performance Characteristics



B64 SERIES "H" DIMENSION	
Compressed	1.312
Approx. Free	1.531
Max. Extended	1.828



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.

B64 Series Core				
Designation	Core Material	Core Thread	Core C'Sink ø	
BA	SST	COARSE	0.562	Dimple
CA	SST	COARSE	0.281	Flat
DA	SST	FINE	0.562	Dimple
EA	SST	FINE	0.281	Flat
BB	ALUM	COARSE	0.562	Dimple
CB	ALUM	COARSE	0.281	Flat
DB	ALUM	COARSE	0.562	Helicoil/Flat
EB	ALUM	FINE	0.281	Flat
FB	ALUM	FINE	0.652	Dimple

B43 & B44 Series Cores				
Designation	Core Material	Core Thread	Core C'Sink ø	
BB	SST	COARSE	0.437	Dimple
CB	SST	COARSE	0.172	Flat
DB	SST	COARSE	0.437	Dimple
EB	SST	COARSE	0.172	Flat
BC	ALUM	COARSE	0.437	Dimple
CC	ALUM	COARSE	0.172	Flat
DC	ALUM	COARSE	0.437	Dimple
EC	ALUM	COARSE	0.172	Flat

