



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318

(952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com

Visit our Website: www.acousticalsurfaces.com

We Identify and S.T.O.P. Your Noise Problem

Spring Isolators

For Maximum Isolation Control

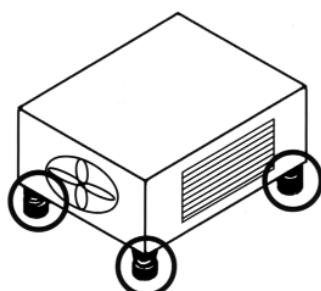
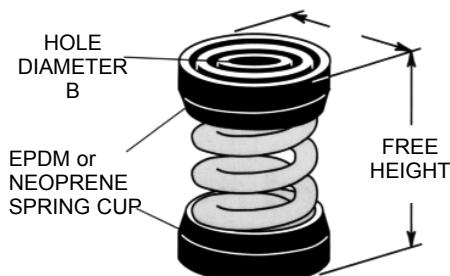
Virtually eliminate structurally transmitted noise and vibration by installing equipment on Spring Isolators. Properly selected and installed spring isolators offer the greatest assurance that destructive vibration and noise will be eliminated or greatly reduced.

Spring isolators should be installed where maximum vibration and noise control is needed. They are most frequently required on upper building levels and on equipment located near inhabited areas with rotational speeds below 1200 RPM.

When installing equipment on very wide vibration sensitive building spans it may be necessary to select isolators with even higher deflection than shown in this guide in order to cancel the effect of the spans deflection or "sag". The isolator selected must have a static deflection at least three times greater than the floor span deflection to insure minimum effective vibration control.

One inch deflection springs have a minimum deflection of 3/4"; two inch deflection springs have a minimum deflection of 1-1/2". This minimum deflection allows for 25% error in equipment weight and is normally exceeded.

IMF Simple Spring Mounts



Simple spring mounts work best for indoor applications on lightweight equipment that does not have to be level and does not need to be bolted down.

IMF 1" DEFL. NO-ADJUSTMENT SPRING MOUNTS*

Type & Size	Rated Capacity (lbs)	Rated Defl (in)	Mount Constant (lbs/in)	Spring Color/Stripe	Dimensions (inches)	Free Height (in)
IMF-X-23	23	1.30	18	Brown		
IMF-X-33	33	1.10	30	Red		
IMF-X-54	54	1.20	45	White		
IMF-X-76	76	1.02	73	Black		
IMF-X-113	113	1.00	113	Yellow	2	7/16
IMF-X-130	130	1.00	130	Purple		
IMF-X-175	175	1.00	175	Silver		
IMF-X-210	210	1.00	210	Blue		
IMF-A-12	12	1.00	12	Red		
IMF-A-18	18	1.00	18	Gray	21/8	7/16
IMF-A-25	25	1.00	25	Orange		
IMF-A-45	45	1.60	28	Blue		
IMF-A-75	75	1.50	50	Orange		
IMF-A-125	125	1.33	94	Brown	21/8	7/16
IMF-A-200	200	1.15	174	Black		
IMF-A-310	310	1.00	310	Yellow		
IMF-A-400	400	1.00	400	Green		
IMF-A-510	510	1.00	510	Red	21/8	7/16
IMF-A-625	625	1.00	625	White	21/8	7/16
						31/2
						33/8
						33/4

*3/4" minimum deflection

IMF 2" DEFL. NO-ADJUSTMENT SPRING MOUNTS*

Type & Size	Rated Capacity (lbs)	Rated Defl (in)	Mount Constant (lbs/in)	Spring Color/Stripe	Dimensions (inches)	Free Height (in)
IMF-B-20	20	2.40	8	Tan		
IMF-B-26	26	2.18	12	White/Blue		
IMF-B-35	35	2.20	16	Purple		
IMF-B-50	50	2.20	24	White/Red		
IMF-B-65	65	2.10	31	Brown	23/4	7/8
IMF-B-85	85	2.10	40	White/Black		5
IMF-B-115	115	2.00	57	Silver		
IMF-B-150	150	2.00	75	Orange		
IMF-B2-210	210	2.12	99	Silver		
IMF-B2-290	290	2.00	144	Blue	23/4	7/8
IMF-B2-450	450	2.00	224	Tan		53/8

*11/2" minimum deflection

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