



# Acoustical Surfaces, Inc.

**SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS**

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

## Spring Isolators

### For Maximum Isolation Control

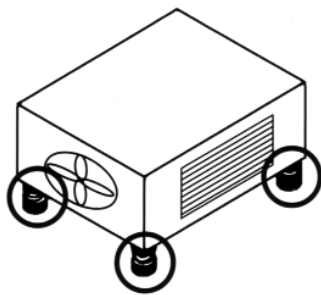
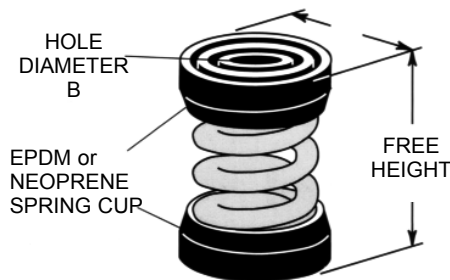
Virtually eliminate structurally transmitted noise and vibration by installing equipment on Spring Isolators. Properly selected and installed spring isolators offer the greatest assurance that destructive vibration and noise will be eliminated or greatly reduced.

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)			
					A	B				
IMF-X-23	23	1.30	18	Brown	2	7/16	23/4			
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						
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				2 1/8	7/16	2 1/4
IMF-A-18	18	1.00	18	Gray						
IMF-A-25	25	1.00	25	Orange						
IMF-A-45	45	1.60	28	Blue	2 1/8	7/16	3 3/8			
IMF-A-75	75	1.50	50	Orange						
IMF-A-125	125	1.33	94	Brown						
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	2 1/8	7/16	3 1/2			
IMF-A-625	625	1.00	625	White						

\*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)
					A	B	
IMF-B-20	20	2.40	8	Tan	2 3/4	7/8	5
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			
IMF-B-85	85	2.10	40	White/Black			
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			
IMF-B2-450	450	2.00	224	Tan			

\*1 1/2" minimum deflection