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HVAC

SOLUTIONS
FOR



**NOISE, SHOCK, VIBRATION, DAMPER CONTROL
AND DUCTING ACCESSORIES**

**MANUFACTURING EXPORTERS & IMPORTERS OF AIR CONDITIONING
& REFRIGERATION PARTS & EQUIPMENTS**

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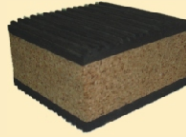
Grindbeck Gujrat Cork & Rubber Pvt. Ltd.
An ISO:9001:2000 Company

Sole Distributor Anti Vibration Pads

Anti Vibration Pads are suitable for noise break in HVAC&R simple field installation where no bolting is required and non critical vibration conditions exists. Made from combination of High Quality Rubber Polymers, Cork & Galvanized steel plate. Alternate height Ribs to provide extended load range. Available in different versions having a working range from 15 to 55 lbs/sq.in. Applications Pumps, Motors, Air-

Cork Rubber Mounting Pad (CRMP)

Rubber Cork Rubber Pad
Available in Thickness of 7/8", 1" & 2",



Rubber Mounting Pad (RMP & ERMP)

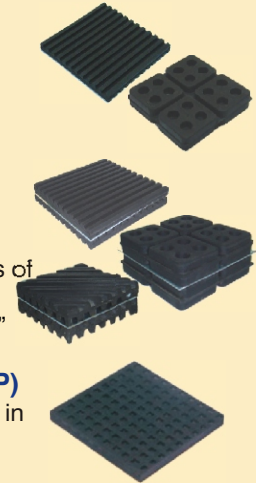
Available in Thickness of 10.35mm & 16mm,

Steel Rubber Mounting Pad (SRMP, SRMP1 & SERMP)

Rubber Sheet separated by steel load distribution plate Available in Thickness of Available in Thickness of 23.50mm & 33.50mm, Sizes 6" x 6", 5" x 5", 4" x 4"

Square Cell Mounting Pad (SCMP)

Available in 6" x 6" x 1/2" Can be used in multiples to increase the height .



Hangers

CONSTRUCTION:

- * Polyester Coated Steel Frame tested to 5x rated load other steel parts are zinc plated.
- * Colour coded steel springs with nominal deflections upto 50 mm, laterally stable with 50% overload capacity.
- * Rubber inserts for high frequency attenuation to prevent drop-rod contacting hanger frame.
- * 15 angular misalignment capacity.

FEATURES:

- * Prevention of transmission of vibration from suspended equipment to building structure. * For Effective control of sound vibration. * For effective control of low & high frequency vibration. * Isolation of ducts & pipes close to mechanical equipments.

Neoprene Hangers (Type WUNH)

MODEL	Rated Cap.		Rated Def.		Durometer or Hardness	Color Code	H	W	L	NH	RHR
	kgs	lbs	mm	inch							
WUNH A-25	25	55	2.0	0.08	65 + 5	Black	72	51	57	38	M12
	-50	110	3.3	0.13		Green					
	-100	220	7.6	0.30		Red					
B-100	100	220	4.5	0.18	65=5	Black	114	51	100	55	To
	-150	330	6.1	0.24		Green					
	-200	440	7.4	0.29		Red					
	-300	660	10.2	0.40		White					
C-350	350	770	10.0	0.39	60±5	Green	114	51	100	55	M18
	-500	1100	13.1	0.52		Red					
	-600	1320	15.2	0.60		White					
	-750	1650	18.0	0.71		Yellow					
D-1000	1000	2200	12.8	0.50	65±5	Yellow	159	65	122	62	M20
E-2000	2000	4400	11.7	0.46	65±5	Yellow	172	65	155	69	M24



Spring Hangers (Type WSH)

MODEL	Rated Cap.		Rated Def.		Spring Color Code	L	W	H	SH	RHR
	Kgs.	Lbs.	Mm	Inch						
WSH 20/10	10	22	20	13.16	PURPLE	55	40	100	54	M8/M10
WSH 20/15	15	33	20	13.16	YELLOW					
WSH 20/20	20	44	20	13.16	GREY					
WSH 20/40	40	88	20	13.16	GREEN					
WSH 20/70	70	154	20	13.16	RED					
WSH 15/100	100	220	15	5 / 8"	BLUE					



Spring Hangers (Type WUSH)

MODEL	Rated Cap.		Rated Def.		Mount Constant		Spring			L	W	H	SH	RHR
	Kgs.	Lbs.	Mm	Inch	Kg./Mm	Lbs./Inch	Color Code	OD	HT					
WUSH-A-10	10	22	25	1	0.4	22	GREY	44	76	88	51	135	94	M10
WUSH-A-25	25	55	25	1	1.0	55								
WUSH-A-50	50	110	25	1	2.0	110								
WUSH-A-100	100	220	25	1	4.0	220								
WUSH-A-150	150	330	25	1	6.0	330	YELLOW	60	105	121	51	178	120	M12
WUSH-B-100	100	220	25	1	4.0	220	GREEN							
WUSH-B-150	150	330	25	1	6.0	330	BROWN							
WUSH-B-200	200	440	25	1	8.0	440	WHITE							
WUSH-B-300	300	660	25	1	12.0	600	ORANGE							
WUSH-B-400	400	880	25	1	16.0	880	BLUE							



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Neoprene Hangers (Type WNM)

MODEL	Rated Cap.		Rated Def.		L	W	H	SH	RHR
	Kgs.	Lbs.	Mm	Inch					
WNM	50-100	110-220	3.3-7.6	0.13-0.30	63	47	70	40	M 10

Duct Mounts

Available in 43 mm Dia 31 mm Dia

CONSTRUCTION & FEATURES :

Resilient rubber grommet with steel load distribution cups and extended sleeve. Acts as acoustic separator between suspension bracket of light equipment load rating upto 220lbs (100Kg) per mount. * Duct Mounts are supplied as a complete wet which include line rubber grommet and two zinc plated steel cups * Sound Level can take a maximum



Cast Iron Housed Spring Mount (1" Deflection Type WCSM)

SPECIFICATION

Type WCSM spring isolators consist of high deflection, color coded stable springs assembled into plated, telescoping cast iron housing complete with 0.25" (6mm) thick neoprene friction pads beneath the housing and an adjusting and leveling bolt as a part of the top assembly.

MOUNTINGS

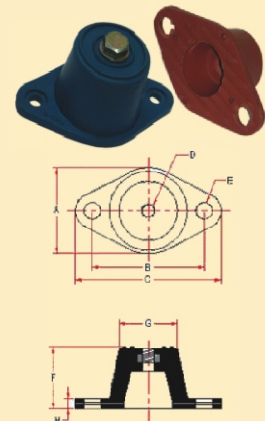
Type WCSM spring isolators provide an excellent solution to trouble some and complicated vibration problems. These units perform when the establishing of low natural frequencies is required, and are specially designed for critical areas where the floors are light materials such as thin concrete, start-up and shut-down and prevention of contact between the projections of the upper part and lower steel casting shall be

MODEL	Rated Cap.		Rated Def.		Mount Constant		Color Code	Spring		L	W	H	a	b	Adjustment Bolt		
	kgs	lbs	mm	inch	kg/mm	lbs/inch		OD	HT						External	Internal	
WCSM-A-10	10	22	25	1	0.4	22	Grey	44	76	146	56	103	120	8	M10X75/	M10X75/	
	-25	25	55	258	1	1.0	55										Orange
	-50	50	110	25	1	2.0	110										Red
	-100	100	220	25	1	4.0	220										Blue
	-150	150	330	25	1	6.0	330										Yellow
WCSM-B-100	100	220	25	1	4.0	220	Green	60	105	212	74	136	172	12	M12X75/	M12X75/	
	-150	150	330	25	1	6.0	330										Brown
	-200	200	440	25	1	8.0	440										White
	-300	300	660	25	1	12.0	660										Orange
	-400	400	880	25	1	16.0	880										Blue
	WCSM-C-100	100	220	25	1	4.0	220										Grey
-200		200	440	25	1	8.0	440	White									
-350		350	770	25	1	14.0	770	Black									
-500		500	1100	25	1	20.0	1100	Green									
-600		600	1320	25	1	24.0	1320	Orange									
-750		750	1650	25	1	30.0	1650	Black									
-1000		1000	2200	25	1	40.0	2200	Yellow									
-1200		1200	2640	25	1	48.0	2640	Red									



Rubber in Shear Mount (Turret Rubber Mount)

ISOLATOR MODEL	MAX LOAD (Kgs)	MAX LOAD (lbs)	DEFLECTION	ISOLATOR DIMENSIONS (inches)								Colour Code
				A	B	C	D	E	F	G	H	
FMD-A-1	13.61	30	1/2	1 3/4	2 3/8	3 1/8	5/16	11/32	1 1/4	1 3/8	3/16	BLUE
FMD-A-2	18.14	40	1/2									RED
FMD-A-3	31.75	70	1/2									GREEN
FMD-A-4	52.16	115	1/2									BLACK
FMD-B-1	58.97	130	1/2	2 3/8	3	3 7/8	3/8	11/32	1 3/4	1 3/4	7/32	BLUE
FMD-B-2	74.84	165	1/2									RED
FMD-B-3	106.59	235	1/2									GREEN
FMD-B-4	170.10	375	1/2									BLACK
FMD-E-1	90.70	200	1/2	2 3/8	3 1/8	4	3/8	1/2	2	1 3/4	1/4	BLUE
FMD-E-2	136.08	300	1/2									RED
FMD-E-3	181.44	400	1/2									GREEN
FMD-E-4	225.80	500	1/2									BLACK
FMD-F-1	340.19	750	1/2	3 5/8	4 3/4	5 7/8	1/2	9/16	3 1/2	2 3/4	3/8	BLUE
FMD-F-2	453.59	1000	1/2									RED
FMD-F-3	680.39	1500	1/2									GREEN
FMD-F-4	997.90	2200	1/2									BLACK



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Flexible Connector

MODEL	SIZE (INCHES)	LENGTH (L) (INCHES)	(D) (INCHES)	(F) (INCHES)	AXIAL COMPRESSION (INCHES)	AXIAL ELONGATION (INCHES)	TRANSVERSE DEFLECTION (INCHES)	ANGULAR DEFLECTION (deg)	OPERATING PRESSURE (psig)	BURST PRESSURE (psig)	VACCUUM RATING (inches Hg)	TEMP. RANGE (F)	TEMP. RANGE (C)
FCS-12	1 1/4	6	1.58	2.72	1/2	3/8	1/2	15°	215	700	29	14-158	-10-70
FCS-15	1 1/2	6	1.58	2.72	1/2	3/8	1/2	15°	215	700	29	14-158	-10-70
FCS-20	2	6	2.05	3.39	1/2	3/8	1/2	15°	215	850	29	14-158	-10-70
FCS-25	2 1/2	6	2.68	4.18	1/2	3/8	1/2	15°	216	850	29	14-158	-10-70
FCS-30	3	6	3.00	4.57	1/2	3/8	1/2	15°	215	850	29	14-158	-10-70
FCS-40	4	6	4.06	5.91	5/8	3/8	1/2	15°	215	850	29	14-158	-10-70
FCS-50	5	6	5.04	7.09	5/8	3/8	1/2	15°	215	850	29	14-158	-10-70
FCS-60	6	6	5.99	8.23	5/8	3/8	1/2	15°	215	850	29	14-158	-10-70
FCS-80	8	6	7.64	10.24	5/8	3/8	1/2	15°	215	850	29	14-158	-10-70



Open Spring Mount (Type WOSM)

Construction:

Open type spring Mounts with springs assembled in cups Feature extra deep cups and extended base, providing the maximum achievable stability for unhooused mounts. Built-in leveling arrangement and neoprene acoustic base pad provided. Suitable for any installation where mounted equipment is not subject to horizontal thrust or wind pressure. Springs are designed according to British Standard Bs 1726 (Part 1) and recommendations made by SAE (US)

Standard Deflection:

Isolations are available with spring deflections of 25 mm and 50 mm at rated load as standard. Higher deflection available on application

Application:

- 1) Axial and Centrifugal Fans
- 2) Air handling Units
- 3) Low Level Pipe Works
- 4) With Base type IPF for Pumps
- 5) Generating Sets and Compressors
- 6) Vibration proofing for Pumps
- 7) Blowers & Fans



MODEL	Rated Cap.		Rated Def.		Mount Constant		Spring			L	W	H	a	b	Bolt	
	Kgs.	Lbs.	Mm	Inch	Kg./Mm	Lbs/Inch	Color Code	OD	HT						Adjustment	Cap Screw
WOSM-A-50	50	110	25	1	2.0	110	RED	44	76	90	57	112	775	10	M16x60?	M10X25?
WOSM-A-100	100	220	25	1	4.0	220	BLUE									
WOSM-A-150	150	330	25	1	6.0	330	YELLOW	60	105	133	71	149	104	13	M20x60?	M12X40?
WOSM-B-200	200	440	25	1	8.0	440	WHITE									
WOSM-B-300	300	660	25	1	12.0	660	ORANGE									
WOSM-B-400	400	880	25	1	16.0	880	BLUE									
WOSM-C-500	500	1100	25	1	20.0	1100	GREEN	73	105	152	84	149	123	13	M20x90?	M12X40?
WOSM-C-600	600	1320	25	1	24.0	1320	ORANGE									
WOSM-C-750	750	1650	25	1	30.0	1650	BLACK									
WOSM-C-1000	1000	2200	25	1	40.0	2200	YELLOW									
WOSM-C-1200	1200	2640	25	1	48.0	2640	RED									

Neoprene Mount (Type WUNM)

CONSTRUCTION :

The Minimum static deflection neoprene mounting is 0.3" (8mm). As one piece molded neoprene with encapsulated metal inserts. it provides corrosion protection and friction pads both top and bottom so they need not to be bolted to the floor Bolt holes if required shall be provided for these areas.

MODEL	Rated Cap.		Rated Def.		Durometer or Hardness	Color Code	L	W	H	a	b	c	d	RHR
	Kgs.	Lbs.	Mm	Inch										
WUNM-A-25	25	55	2.5	0.10	65 + -5	BLACK	81	41	37	70	11	30	6	M8
WUNM-A-50	50	110	4.1	0.16	65 + -5									
WUNM-A-100	100	220	8.5	0.33	65 + -5									
WUNM-B-150	150	330	9.0	0.35	60 + -5	RED	102	57	46	89	13	45	6	M10
WUNM-B-200	200	440	10.8	0.43	60 + -5									
WUNM-B-300	300	660	14.4	0.57	60 + -5									
WUNM-C-350	350	770	11.5	0.45	70 + -5	WHITE	140	84	66	127	13	65	7	M12
WUNM-C-500	500	1100	15.0	0.59	70 + -5									
WUNM-C-600	600	1320	17.4	0.69	70 + -5									
WUNM-C-750	750	1650	20.1	0.79	70 + -5	YELLOW	159	100	66	146	13	85	8	M12
WUNM-D-1000	1000	2200	14.1	0.56	70 + -5									
WUNM-E-2000	2000	4400	15.0	0.59	70 + -5									



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