

Open Spring Mountings

Type OSB, OS25 & OS50

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This unique range of Open Spring Mountings uses integral rubber end fixing of the springs which set them apart from all other designs. Loose springs and plates are now history and high frequency noise attenuation is provided regardless of whether a rubber seating pad is used or not.

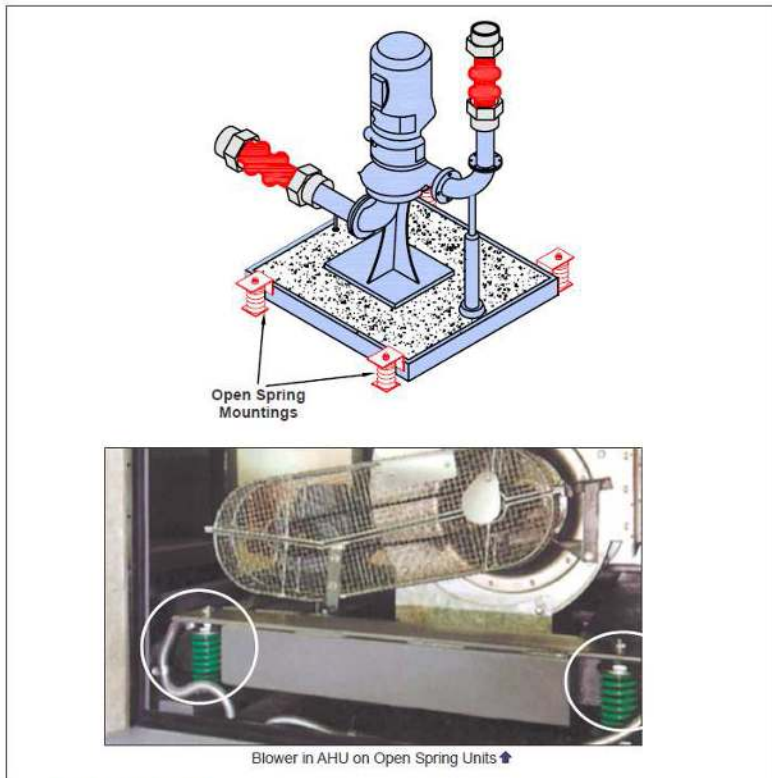
The OS Mountings are widely used to isolate vibration from every conceivable type of rotating and reciprocating machine. Where control of transient motion is required Open Spring Mounting can be used in conjunction with our Viscous Dampers Type SFD.

DESIGN FEATURES

- Unique expanding rubber end fixing of springs (Patent applied for) which also provides high frequency attenuation.
- Nominal 20, 25 & 50 mm deflection colour coded springs with 50% overload capacity.
- Can be bolted to supporting structure or free standing on 6mm thick ribbed rubber pad.
- Fully height adjustable (OS25 & 50).
- Zinc plated metals.
- No snubbing gives maximum efficiency.

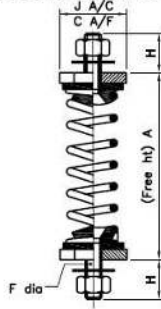
TYPICAL APPLICATIONS

- AXIAL AND CENTRIFUGAL FANS
- AIR HANDLING UNITS
- LOW LEVEL PIPEWORK
- WITH INERTIA BASES TYPE IPF FOR PUMPS, GENERATING SETS AND COMPRESSORS ETC.

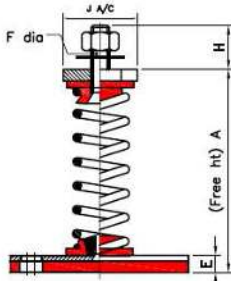


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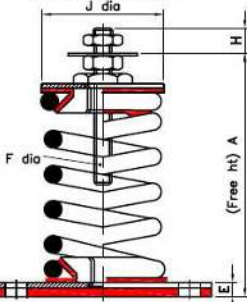
OSB20/10-OSB15/100



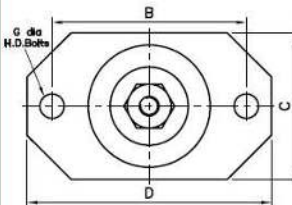
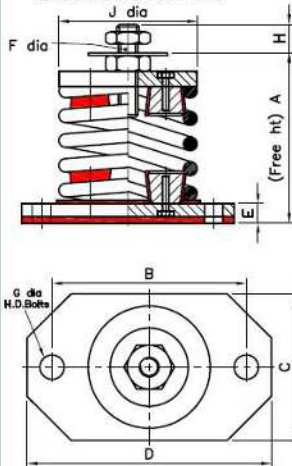
OSB20/10-OSB15/100



OS25/30-OS50/500



OS25/650-OS50/1300



TECHNICAL CHARACTERISTICS

CODE NO.	COLOUR CODE	RATED LOAD (kgs)	DEFLECTION AT RATED LOAD (mm)	DIMENSIONS (mm)							Max. Wt. (kg)		
				A	B	C	D	E	F	G		H	J
OSB20/10	Purple	10	20	68	-	32	-	-	M8	-	18	37	0.15
OSB20/15	Yellow	15	20										
OSB20/20	Grey	20	20										
OSB20/40	Green	40	20										
OSB20/70	Red	70	20										
OSB15/100	Blue	100	15	69	57	38	76	5	M8	M6	18	37	0.2
OSS20/10	Purple	10	20										
OSS20/15	Yellow	15	20										
OSS20/20	Grey	20	20										
OSS20/40	Green	40	20										
OSS20/70	Red	70	20	115	85	70	110	10	M10	M8	20	57	0.9
OSS15/100	Blue	100	15										
OS25/30	Yellow	30	25										
OS25/60	Green	60	30										
OS25/100	Blue	100	25										
OS25/160	White	160	25	152	110	90	140	11	M16	M12	27	76	2.6
OS25/250	Red	230	25										
OS25/200	Red	200	25										
OS25/300	Purple	300	25										
OS25/400	Grey	400	25										
OS25/500	Orange	500	25	180	110	90	140	11	M16	M12	27	76	2.4
OS25/600	Brown	600	25										
OS25/700	Orange/Black*	700	25										
OS25/800	Brown/Black	800	25										
OS50/100	Yellow	100	50										
OS50/200	Green	200	50	175	165	130	200	18	M20	M16	42	127	7.5
OS50/300	Blue	300	50										
OS50/400	White	400	50										
OS50/500	Red/Black*	500	50										
OS25/650	Yellow	650	26										
OS25/850	Green	850	27	225	210	150	250	18	M24	M16	51	152	14.0
OS25/1050	Blue	1050	26										
OS25/1250	White	1250	26										
OS25/1300	Red	1300	27										
OS25/1600	Purple	1600	75										
OS25/2000	Grey	2000	26	240	210	150	250	18	M20	M16	42	127	13.0
OS25/2300	Brown	2300	29										
OS50/510	Black/Purple	510	51										
OS50/760	Black/Grey	760	51										
OS50/1000	Black/Orange	1000	50										
OS50/1300	Black/Brown	1300	53										

* Internal nested spring

Installation Notes

- ✦ Ribbed rubber seating pads should always be used when the mounting is seated on concrete or other rough surfaces.
- ✦ When using height adjuster at least 3 full threads should be left protruding below the upper plate.
- ✦ All connections to the mounted equipment must include flexible sections offering the maximum practical flexibility to ensure that isolation efficiency is not impaired, also to avoid possible failure of the connections.
- ✦ DO NOT use Open Spring Mountings for external applications without independent restraints.
- ✦ For further applications where control of transient motion is required, e.g. during start up and run down of large machines, additional mass and viscous dampers may be necessary.

Spring Deflection

Spring stiffness is linear over its actual working range therefore, the actual deflection for a given load can be calculated as follows:

$$\text{Actual Deflection (mm)} = \frac{\text{Actual Load (Kg)}}{\text{Rated Load (Kg)}} \times \text{Rated Deflection (mm)}$$

For more detailed information and technical assistance, please contact our Applications Engineering Group.

In the interest of continual development and improvement, the company reserves the right to make modifications to these details without notice