

VIBRATION ABSORBER

TYPE RD

This vibration absorber is designed to absorb tensile, shear and pressure loads. In addition, the type RD is a tear-resistant mounting for hanging loads, such as crane tracks. Therefore, it is also ideal for ceiling and wall installations. We offer 6 sizes for use from 300N–13'000N per unit. The natural frequency of the elements is 9–29Hz depending on the size. They are mostly used for subcritical mounting applications.

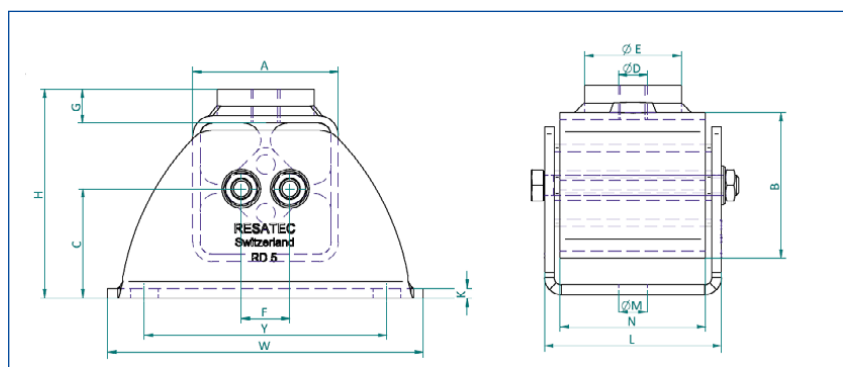
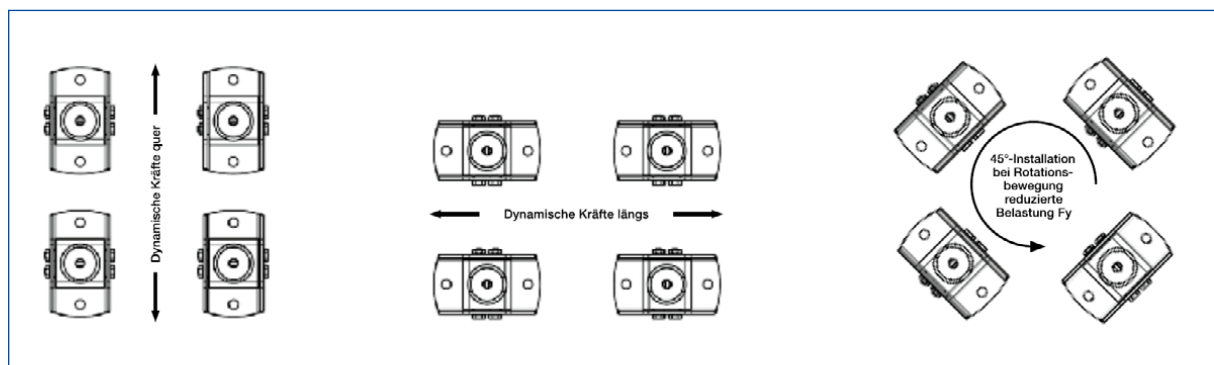
Natural frequency machine < natural frequency type RD

If subcritical bearing arrangements are present, a damper of solid construction with low deflection is usually selected. This dampens shocks and impacts from slow-running machines such as punches, crushers and mixers. With this type of mounting, the isolating effect cannot be calculated. This must be determined by before/after tests.

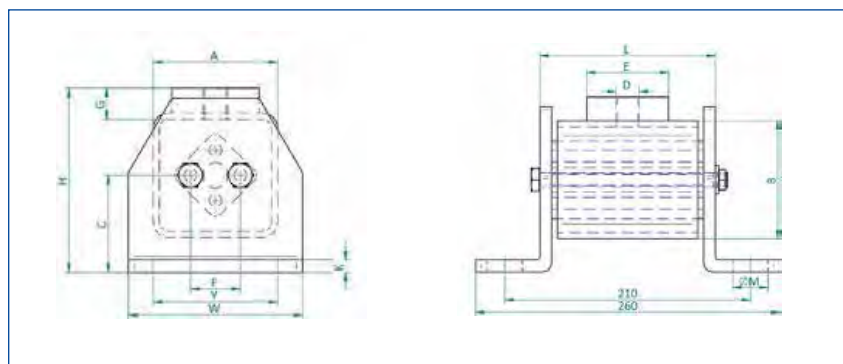
CAUTION: A result in the resonance range (natural frequency damper = excitation frequency) must be avoided at all costs, as this can lead to uncontrolled oscillation and destruction of the plant.



Installation guideline



size 4-7



size 8

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Dimensions / Material

type	A	B	C	D	E	F	G	H	K	L	øM	N	W	Y	weight	material		
																kg	housing	core profil
RD 3	32	32	26	M10	20	9	8	49	3	51	9-5	40	80	55	0.300	steel S235JR	aluminium	steel S235JR with powder coating
RD 4	45	45	35	M10	30	12	13	68	3.5	62	9.5	50	100	75	0.660			
RD 5	60	60	43	M12	40	20	14	84	4	73	11.5	60	130	100	1.330			
RD 6	75	75	53	M12	45	25	18.5	106	5	100	14	80	155	120	2.780			
RD 7	80	80	67	M16	60	35	22	127	6	122	18	100	190	140	4.310			
RD 8	80	80	67	M16	60	35	22	127	6	122	18	100	190	140	4.310			

Load values

type	load			natural frequency	
	X/Z min.	X/Z max.	Y max.	F min.	F max.
	N	N	N	Hz	Hz
RD 3	300	900	180	29	22
RD 4	580	1700	340	26	15
RD 5	1400	3200	640	27	19
RD 6	2700	5300	1060	14	11
RD 7	4400	8500	1680	14	10
RD 8	6300	13000	2600	12	9

Short-term loads of 2.5 g are permissible in the Z und X axes.

Deflection curves

