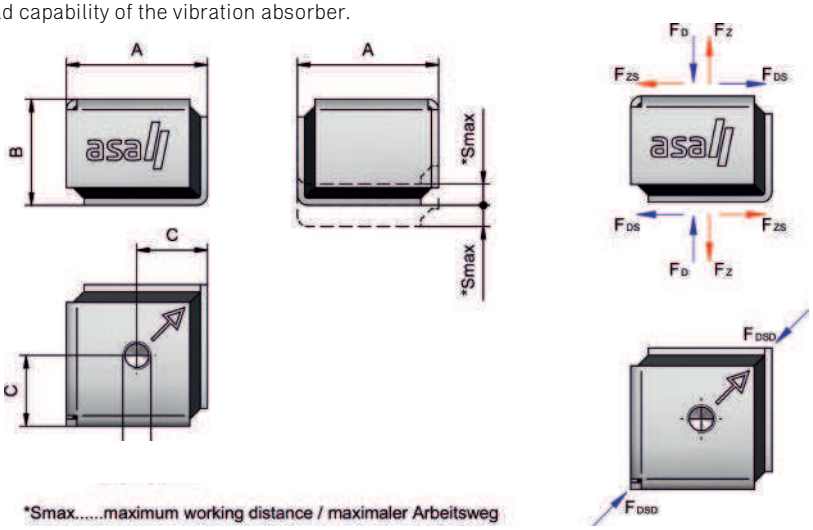
Vibration Absorber
MDGQ Absorber

The ***asa*** rubber vibration absorbers are rubber metal connected parts to absorb impact loads on components as protection and to extent the life time. The patented solution is especially equipped for highest shear loads. An assembly system controlled by arrows on the metal parts helps to optimize and raise the load capability of the vibration absorber.



Dimensions

order number	description	A	B	C	M	Smax	shore degree	weight
		[mm]	[mm]	[mm]		[mm]		[kg]
MDGQ403008IIKI00	40x40x30 M8	40	30	20	M8 x 10	± 3	45 ± 5	0,127
MDGQ504510IIKI00	50x50x45 M10	50	45	25	M10 x 12	± 6	55 ± 5	0,280
MDGQ755512IIKI00	75x75x55 M12	75	55	37,5	M12 x 15	± 8	55 ± 5	0,659
MDGQ1007516IIKI00	100x100x75 M16	100	75	50	M16 x 16,5	± 9	65 ± 5	1,920

Load Capacities, Maximum Static Loads

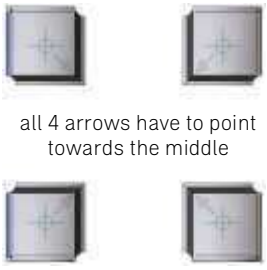
order number	description	compression F_D	tension F_Z	compression/shear F_{DS}	tension/shear F_{ZS}	compression/shear diagonal F_{DSD}
		[N]	[N]	[N]	[N]	[N]
MDGQ403008IIKI00	40x40x30 M8	800	250	700	350	950
MDGQ504510IIKI00	50x50x45 M10	2000	1450	1550	1500	2250
MDGQ755512IIKI00	75x75x55 M12	4250	2250	2600	2200	3850
MDGQ1007516IIKI00	100x100x75 M16	11700	8800	6900	6350	8350

Spring Rates

order number	description	compression C_D	tension C_Z	compression/shear C_{DS}	tension/shear C_{ZS}	compression/shear diagonal C_{DSD}
		[N/mm]	[N/mm]	[N/mm]	[N/mm]	[N/mm]
MDGQ403008IIKI00	40x40x30 M8	267	83	233	117	317
MDGQ504510IIKI00	50x50x45 M10	333	241	258	250	375
MDGQ755512IIKI00	75x75x55 M12	531	281	325	275	481
MDGQ1007516IIKI00	100x100x75 M16	1301	982	770	709	932

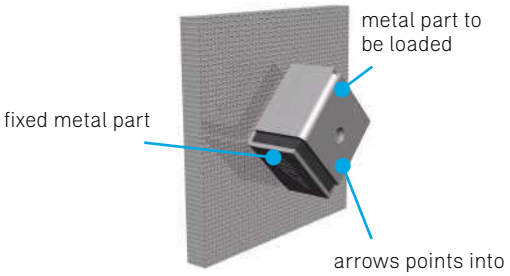
Assembly Instructions

assembly of 4 vibration absorbers:



all 4 arrows have to point towards the middle

best mounting position:



Please read product application reference sheet, before installation.

Material

metal	zinc coated
elastomer	natural rubber
working temperature range	-30°C to +70°C

Options

stainless steel type	500 hrs tested according DIN EN ISO 9227-NSS (salt spray test)