

Connection Technology MDGQ silent blocks











Innovation

Have you ever seen a company searching for bad technical solutions?

As a global technology group with its different technical categories we have a wide spreaded demand of technical solutions and products in the markets. When we find out that we are using an average solution or not even finding an appropriate product, we start developing it on our own!

The connection technology product group is therefore a collection of solved problems and completes a lack of technology at different markets and applications. Take a look at our systems and solutions and get in contact for any new possible project development!











- ✓ higher shear loads! low shear loads
- ✓ long duration! short life time









Example Rubber Vibration Absorbers:

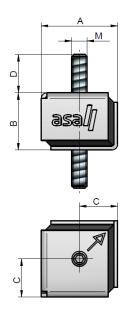
This example shows the difference between the use of 8 cylindrical rubber shock absorbers compared to 4 of our new shock absorbers.

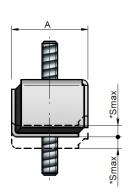
- On the left picture you can see the necessary use of 8 conventional absorbers support a ~26kg unit. This configuration has still limited shear load capability followed by a short duration.
- The right picture shows a replacement of the 8 units with only 4 of our absorbers with the new design. This configuration allows even higher shear loads. As a result we reduce costs and raise the life time of the product at the same time.

Vibration Absorber MDGQ / Type A



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	А	В	С	D	М	Smax	shore	tightening torque	weight
		[mm]	[mm]	[mm]	[mm]		[mm]		[Nm]	[kg]
MDGQ403008AAK	Vibration Absorber 40 type A Kit	40	30	20	25 ±1	M8	± 3	45 ±5	6	0,16
MDGQ504510AAK	Vibration Absorber 50 type A Kit	50	45	25	33 ±1,5	M10	± 6	55 ±5	12	0,38
MDGQ755512AAK	Vibration Absorber 75 type A Kit	75	55	37,5	35 ±1,5	M12	± 8	55 ±5	20	0,75
MDGQ1007516AAK	Vibration Absorber 100 type A Kit	100	75	50	45 ±1,5	M16	± 9	65 ±5	50	2,10

for more information, see page 6

Material

absorber housing	zinc coated
threaded pin	stainless steel
elastomer	natural rubber
working temperature range	-30°C to +80°C

Options

stainless steel type	MDGQ403008AAWK	



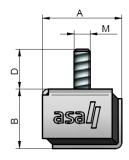
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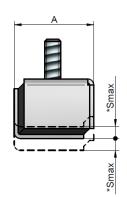
^{*}Smax.....maximum working distance

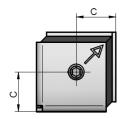
Vibration Absorber MDGQ / Type B



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.







^{*}Smax....maximum working distance

Dimensions

order number	description	А	В	С	D	М	Smax	shore	tightening torque	weight
		[mm]	[mm]	[mm]	[mm]		[mm]		[Nm]	[kg]
MDGQ403008AIK	Vibration Absorber 40 type B Kit	40	30	20	25 ±1	M8	± 3	45 ±5	6	0,14
MDGQ504510AIK	Vibration Absorber 50 type B Kit	50	45	25	33 ±1,5	M10	± 6	55 ±5	12	0,30
MDGQ755512AIK	Vibration Absorber 75 type B Kit	75	55	37,5	35 ±1,5	M12	± 8	55 ±5	20	0,70
MDGQ1007516AIK	Vibration Absorber 100 type B Kit	100	75	50	45 ±1,5	M16	± 9	65 ±5	50	2,00

for more information, see page 6

Material

absorber housing	zinc coated
threaded pin	stainless steel
elastomer	natural rubber
working temperature range	-30°C to +80°C

Options

stainless steel type	MDGQ403008AIWK	

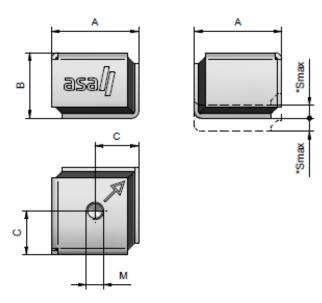


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Vibration Absorber MDGQ / Type C



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.



*Smax.....maximum working distance

Dimensions

order number	description	А	В	С	М	Smax	weight
		[mm]	[mm]	[mm]		[mm]	[kg]
MDGQ403008IIK	Vibration Absorber 40 Kit	40	30	20	M8 x 10	± 3	0,13
MDGQ504510IIK	Vibration Absorber 50 Kit	50	45	25	M10 x 12	± 6	0,28
MDGQ755512IIK	Vibration Absorber 75 Kit	75	55	37,5	M12 x 15	± 8	0,66
MDGQ1007516IIK	Vibration Absorber 100 Kit	100	75	50	M16 x 16,5	± 9	1,90

for more information, see page 6

Material

metal	zinc coated
elastomer	natural rubber
working temperature range	-30°C to +80°C

Options

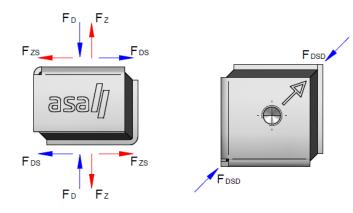
stainless steel type MDGQ403008IIWK



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Vibration AbsorberLoad 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]
MDGQ403008IIK	Vibration Absorber 40 Kit	800	250	700	350	950
MDGQ504510IIK	Vibration Absorber 50 Kit	2000	1450	1550	1500	2250
MDGQ755512IIK	Vibration Absorber 75 Kit	4250	2250	2600	2200	3850
MDGQ1007516IIK	Vibration Absorber 100 Kit	11700	8800	6900	6350	8350

Spring Rates

order number	description	compression $C_{ extsf{D}}$	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]
MDGQ403008IIK	Vibration Absorber 40 Kit	267	83	233	117	317
MDGQ504510IIK	Vibration Absorber 50 Kit	333	241	258	250	375
MDGQ755512IIK	Vibration Absorber 75 Kit	531	281	325	275	481
MDGQ1007516IIK	Vibration Absorber 100 Kit	1301	982	770	709	932

Assembly Instructions

assembly of 4 vibration absorbers::



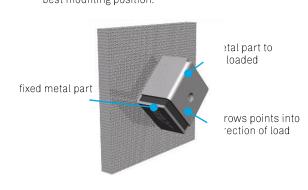


all 4 arrows have to point towards the middle





best mounting position:



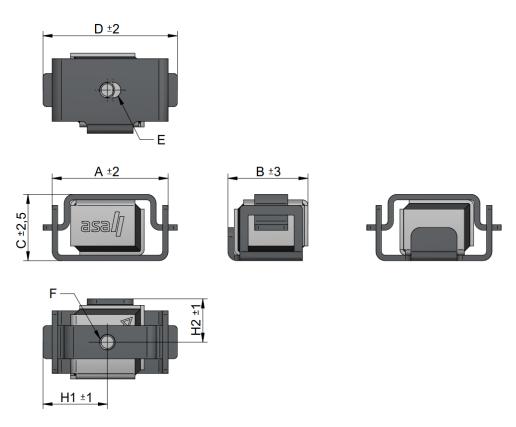
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Vibration Absorber

MDGQ with Safe-lock system



The MDGQ safe-lock system is a configuration to equip our unique multi-axial vibration absorber design with a break-safe mechanical lock for applications with high safety regulations. The main advantages of our MDGQ absorbers with safe-lock option remain unchanged: best vibration absorption of impact loads on components with only 2 connection points, as well as the special ability to handle 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	А	В	С	D	Е	F	H1	H2	weight
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
MDGQ403008IISK	Vibration Absorber 40 type C-S	63	43,5	36	73	Ø8,5x11,5	Ø8,5	35	23,5	0,25
MDGQ504510IISK	Vibration Absorber 50 type C-S	87,8	55	54	109,8	Ø10,5x16,5	Ø10,5	51,8	30	0,59
MDGQ755512IISK	Vibration Absorber 75 type C-S	118,8	79,3	64	149,8	Ø12,5x20,5	Ø12,5	70,8	41,8	1,26

Performance

load capacities, maximum static loads

see data page 6

Material

metal	stainless steel
absorber housing	steel / zinc coated
elastomer	natural rubber
working temperature range	-30°C to +80°C

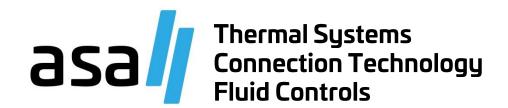
Options

stainless steel type	MDGQ403008IIWSK
multiaxial damper Type A	MDGQXXXXXXAASK
multiaxial damper Type B	MDGQXXXXXXAISK



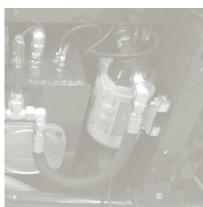


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be different. make a difference.











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