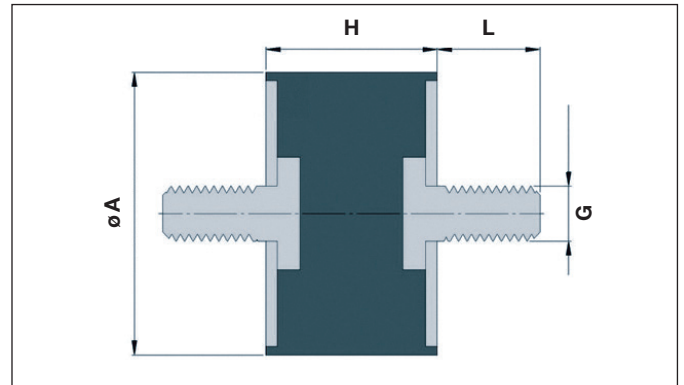
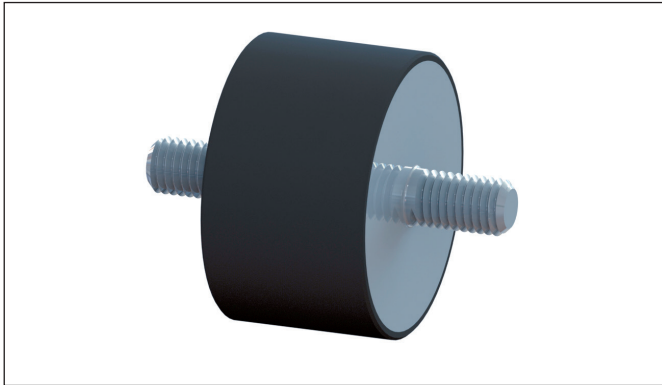


Rubber-Metal Buffer Type A

with threaded bolt on both sides



Product description

Buffers are characterised by their strength and robustness. The wide range of dimensions allows multiple options for usage.

Anwendung

Buffers are particularly suitable for elastic travel limiting and for cushioning impacts on mobile and non-mobile units, machines and generally as stops.

Benefits

- Effective dampening and cushioning of impacts
- Easy to install
- RoHS compliant

Operating temperature

- Natural Rubber (NR): – 50 °C until + 90 °C

Standard quality

Natural Rubber (NR)

Special qualities

- Nitrile-Butadiene Rubber (NBR)
 - Chloroprene Rubber (CR)
 - Fluoro Rubber (FPM)
 - Ethylene-Propylene-Diene-Rubber (EPDM)
 - Polyurethan (PUR)
 - Silicon
 - H-NBR
- More qualities on request

Metal parts

- Steel galvanized or chromated
- Steel blank from a diameter 100 mm upwards
- Alternative support members, e. g. Stainless steel, brass, aluminum, etc. available on request

øA	H	G	L	Shore	Pressure Stress		Shear Stress	
					Spring rate cz	max. rated load	Spring rate cz	max. rated load
mm	mm		mm	A	N/mm	F max. *in N	N/mm	F max. *in N
15	8	M4	13,00	65	420	200	50	55
				55	360	130	30	45
				45	300	70	17	25
15	15	M4	13,00	65	140	150	19	50
				55	80	90	12	30
				45	35	40	6	15

øA	H	G	L	Shore	Pressure Stress		Shear Stress	
					Spring rate cz	max. rated load	Spring rate cz	max. rated load
mm	mm		mm	A	N/mm	F max. *in N	N/mm	F max. *in N
20	15	M6	18,00	65	290	480	50	190
				55	180	300	30	110
				45	110	180	20	70
20	20	M6	18,00	65	180	380	27	130
				55	110	250	17	70
				45	50	90	9	40
20	25	M6	18,00	65	130	300	17	55
				55	80	185	11	40
				45	35	80	6	35
25	10	M6	18,00	65	1600	1400	140	300
				55	1000	900	90	190
				45	600	550	50	110
25	15	M6	18,00	65	500	650	70	280
				55	320	420	45	160
				45	150	190	25	110
25	20	M6	18,00	65	350	740	60	240
				55	220	460	40	150
				45	130	270	20	90
25	25	M6	18,00	65	210	500	32	150
				55	130	300	20	120
				45	60	140	10	60
25	30	M6	18,00	65	185	490	22	140
				55	110	300	14	90
				45	50	140	7	45
30	15	M8	21,00	65	940	1400	110	390
				55	590	880	70	260
				45	340	520	40	150
30	20	M8	21,00	65	570	1200	90	310
				55	360	750	60	210
				45	210	440	30	130
30	25	M8	21,00	65	450	950	70	250
				55	290	600	35	170
				45	150	340	25	110
30	30	M8	21,00	65	260	920	50	180
				55	160	580	30	120
				45	90	310	20	90
30	40	M8	21,00	65	- *	- *	- *	- *
				55	- *	- *	- *	- *
				45	- *	- *	- *	- *
40	20	M8	23,50	65	1100	2640	125	440
				55	620	1650	75	270
				45	300	700	40	220
40	30	M8	23,50	65	510	1850	90	320
				55	320	1150	60	210
				45	190	680	30	180
40	40	M8	23,50	65	320	1600	60	220
				55	200	1000	40	140
				45	120	600	20	120

øA	H	G	L	Shore	Pressure Stress		Shear Stress	
					Spring rate cz	max. rated load	Spring rate cz	max. rated load
mm	mm		mm	A	N/mm	F max. *in N	N/mm	F max. *in N
50	20	M10	28,00	65	2450	5100	240	1200
				55	1500	3200	150	750
				45	900	1900	90	450
50	25	M10	28,00	65	- *	- *	- *	- *
				55	- *	- *	- *	- *
				45	- *	- *	- *	- *
50	30	M10	28,00	65	900	3200	140	1200
				55	550	2000	90	750
				45	330	1200	50	450
50	40	M10	28,00	65	540	2750	100	1250
				55	340	1750	60	750
				45	200	1000	40	450
50	45	M10	28,00	65	430	2520	90	1200
				55	270	1580	50	750
				45	160	930	30	440
50	50	M10	28,00	65	420	2200	60	600
				55	260	1300	37	370
				45	140	710	20	200
60	30	M12	26,00	65	1550	3750	190	1900
				55	950	2380	120	1200
				45	450	1130	60	700
70	45	M10	28,00	65	1100	4300	160	2300
				55	650	2600	90	1100
				45	290	1200	50	600
75	25	M12	37,00	65	4500	12500	400	2800
				55	2800	8000	250	1700
				45	1700	4700	150	1000
75	40	M12	37,00	65	1600	5500	340	2600
				55	1000	3400	210	2300
				45	450	1600	100	1200
75	50	M12	37,00	65	960	6300	170	2500
				55	600	4000	100	1600
				45	350	2300	60	950
75	55	M12	37,00	65	640	4700	120	2100
				55	400	2900	70	1300
				45	240	1700	40	770
100	40	M16	41,00	65	3000	15000	360	4400
				55	1900	9500	220	2800
				45	1100	5600	130	1600
100	55	M16	41,00	65	2000	9600	270	4500
				55	1200	5800	165	3300
				45	550	4100	90	1800
100	60	M16	41,00	65	1400	11000	230	4400
				55	850	6900	140	2800
				45	500	4000	80	1600
100	75	M16	41,00	65	1200	8200	180	3700
				55	700	5000	110	2200
				45	320	2800	60	1200

øA	H	G	L	Shore	Pressure Stress		Shear Stress	
					Spring rate cz	max. rated load	Spring rate cz	max. rated load
mm	mm		mm	A	N/mm	F max. *in N	N/mm	F max. *in N
125	50	M16	41,00	65	- *	- *	- *	- *
				55	- *	- *	- *	- *
				45	- *	- *	- *	- *
125	55	M16	41,00	65	3800	18000	440	6600
				55	2300	11500	270	4000
				45	1200	6700	150	2100
125	60	M16	41,00	65	3200	16000	400	6300
				55	1900	9500	240	3900
				45	900	5800	130	2000
125	75	M16	41,00	65	2100	14000	300	5900
				55	1300	8500	180	3600
				45	600	4200	100	1900
150	50	M16	41,00	65	- *	- *	- *	- *
				55	- *	- *	- *	- *
				45	- *	- *	- *	- *
150	50	M20	41,00	65	- *	- *	- *	- *
				55	- *	- *	- *	- *
				45	- *	- *	- *	- *
150	55	M16	41,00	65	6400	29000	640	8000
				55	3900	18000	400	4800
				45	1900	12000	220	3200
150	55	M20	41,00	65	6400	29000	640	8000
				55	3900	18000	400	4800
				45	1900	12000	220	3200
150	60	M16	41,00	65	5200	27000	570	7400
				55	3200	17000	350	4700
				45	1600	10000	200	2700
150	60	M20	41,00	65	5200	27000	570	7400
				55	3200	17000	350	4700
				45	1600	10000	200	2700
150	75	M16	41,00	65	3400	22000	430	6900
				55	2000	14000	270	4300
				45	950	8000	140	2300
150	75	M20	41,00	65	3400	22000	430	6900
				55	2000	14000	270	4300
				45	950	8000	140	2300
200	100	M20	41,00	65	4200	38000	560	11100
				55	2500	23000	340	6800
				45	1200	14000	190	3700

* No values have been determined / measured yet. The values will be added gradually.

If you need other buffers or other thread sizes than listed, please contact us directly.

Our applied technical advice, either oral, written or through tests is given according to our best knowledge. However, this information is to be considered as non-obligatory instruction, also in terms of any protective rights of a third party, and does not exempt you from testing our product in reference to its suitability for the intended process and purpose. Utilisation, application and processing of the products occur entirely outside of our control and are therefore exclusively your responsibility. However, should a case of liability come into question, it will be limited to all damages in the value of the product which we delivered and you used. By all means, we do warrant the impeccable quality of our products in accordance with our general sales and delivery conditions.