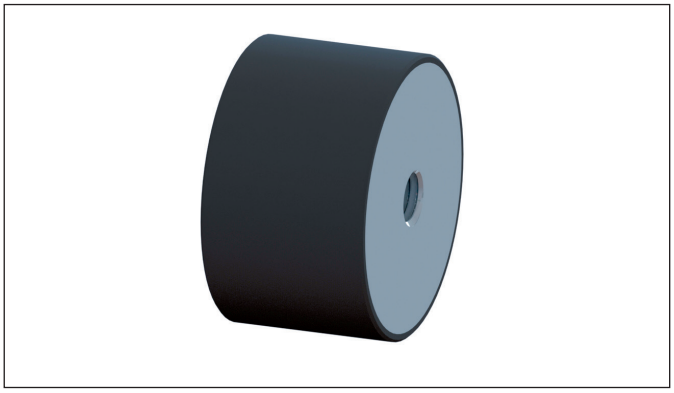
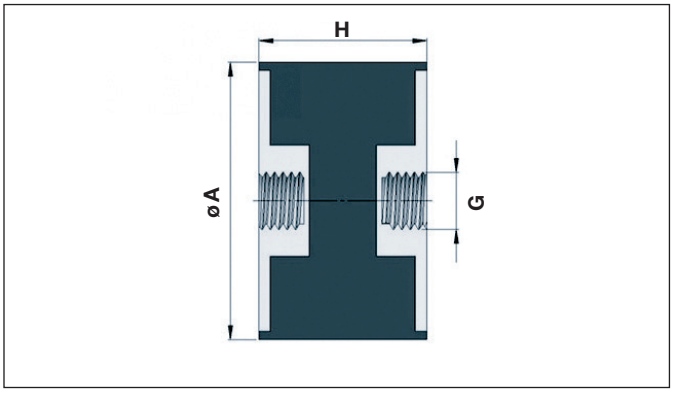
Rubber-Metal Buffer Type C

with internal thread 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

ø A	H	G	Shore	Pressure Stress		Shear Stress	
				Spring rate cz	max. rated load	Spring rate cz	max. rated load
mm	mm		A	N/mm	F max. *in N	N/mm	F max. *in N
15	15	M4	65	140	155	50	58
			55	85	100	30	45
			45	35	45	16	25
20	20	M6	65	185	390	27	150
			55	115	280	17	85
			45	50	95	12	55

ø A	H	G	Shore	Pressure Stress		Shear Stress	
				Spring rate cz	max. rated load	Spring rate cz	max. rated load
mm	mm		A	N/mm	F max. *in N	N/mm	F max. *in N
20	25	M6	65	180	380	25	140
			55	110	260	17	80
			45	50	90	12	50
25	20	M6	65	300	450	60	210
			55	145	260	40	135
			45	115	165	23	70
25	25	M6	65	220	500	60	200
			55	140	300	38	130
			45	110	145	20	65
25	30	M6	65	185	480	35	145
			55	110	295	20	120
			45	70	140	10	30
30	20	M8	65	650	885	110	360
			55	410	550	70	220
			45	240	310	40	130
30	25	M8	65	575	760	70	250
			55	370	640	40	155
			45	220	290	20	95
30	30	M8	65	530	690	65	220
			55	360	600	50	150
			45	210	280	30	90
30	40	M8	65	220	610	60	180
			55	140	380	35	110
			45	80	220	20	70
40	30	M8	65	880	1060	140	370
			55	550	660	80	230
			45	320	390	50	130
40	40	M8	65	370	990	80	530
			55	230	620	50	330
			45	140	360	30	190
50	30	M10	65	1680	1520	220	480
			55	1050	950	140	300
			45	620	560	80	180
50	40	M10	65	660	1570	140	750
			55	410	980	80	470
			45	240	580	50	280
50	45	M10	65	540	1470	85	780
			55	340	910	50	480
			45	200	530	30	300
50	50	M10	65	360	1380	70	600
			55	220	860	40	380
			45	130	410	25	220
60	30	M12	65	1700	4900	200	1090
			55	1100	2600	130	670
			45	540	1280	70	340
70	45	M10	65	1200	4720	165	2150
			55	700	2995	95	1045
			45	310	1200	55	600

ø A	H	G	Shore	Pressure Stress		Shear Stress	
				Spring rate cz	max. rated load	Spring rate cz	max. rated load
mm	mm		A	N/mm	F max. *in N	N/mm	F max. *in N
75	40	M12	65	2100	7600	430	2780
			55	1400	4260	270	1730
			45	900	2600	160	1090
75	50	M12	65	980	3620	190	1540
			55	610	2010	120	960
			45	370	1180	70	560
75	55	M12	65	950	3100	170	1280
			55	590	1800	100	730
			45	350	1190	60	460
100	40	M16	65	3100	10100	490	2550
			55	1900	5700	220	2000
			45	1000	3500	120	1010
100	55	M16	65	2950	9440	400	2300
			55	1750	5400	200	1800
			45	1080	3200	110	980
100	60	M16	65	1360	4900	250	2100
			55	850	3060	150	1310
			45	500	1800	90	770
100	75	M16	65	1350	4800	230	2000
			55	800	3000	140	1150
			45	450	1750	80	700
125	55	M16	65	4010	20150	505	4000
			55	2500	13500	300	3000
			45	1390	8150	170	1600
125	60	M16	65	3850	19200	500	3500
			55	2450	12800	280	2800
			45	1220	8400	165	1500
125	75	M16	65	3200	16500	400	2600
			55	1950	10500	245	2450
			45	910	8190	140	1300
150	50	M20	65	– *	– *	– *	– *
			55	– *	– *	– *	– *
			45	– *	– *	– *	– *
150	50	M16	65	– *	– *	– *	– *
			55	– *	– *	– *	– *
			45	– *	– *	– *	– *
150	55	M20	65	6600	33000	660	9900
			55	4300	20000	420	6300
			45	2190	10500	220	3300
150	55	M16	65	6600	33000	660	9900
			55	4300	20000	420	6300
			45	2190	10500	220	3300
150	60	M16	65	6000	30000	650	9750
			55	3950	18200	410	6150
			45	2010	9450	220	3000
150	60	M20	65	6000	30000	650	9750
			55	3950	18200	410	6150
			45	2010	9450	220	3000

ø A	H	G	Shore	Pressure Stress		Shear Stress	
				Spring rate cz	max. rated load	Spring rate cz	max. rated load
mm	mm		A	N/mm	F max. *in N	N/mm	F max. *in N
150	75	M16	65	2610	14480	415	5390
			55	1630	9050	250	3370
			45	960	5320	150	1980
150	75	M20	65	2610	14480	415	5390
			55	1630	9050	250	3370
			45	960	5320	150	1980
200	100	M20	65	3250	30200	460	10460
			55	2030	18900	290	6540
			45	1190	11100	170	3850

* 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.