

Rubber Metal antivibration mounts

SIMPLE BUFFERS TYPE E



Rigid buffers used as end stops or to limit the stroke of moving parts give rise to high impact stresses to structures often causing visible deterioration. This is normally accompanied by unacceptably high noise levels to the human ear, particularly when these impacts are repeated periodically. Rubber buffers eliminate these drawbacks considerably, as they dampen noise and absorb energy. The simple buffer is a flat surface and therefore responds immediately to impact, without over-extending the stroke of the moving part. The progressive buffer has a conical form and therefore makes contact on a progressive basis, increasing deflection with increasing load. This action provides gradual arrest of moving parts, absorbing considerable energy, prohibiting instant high impact stresses.

TECHNICAL CHARACTERISTICS

These buffers are made with a rubber compound permitting major deformations under impact with notable absorptions of energy. They can be made with high-damping rubber to order, however absorption of energy in high damped compound buffers is performed with reduced rebound movement and with slightly higher transfer levels of stress to the structure.

APPLICATIONS

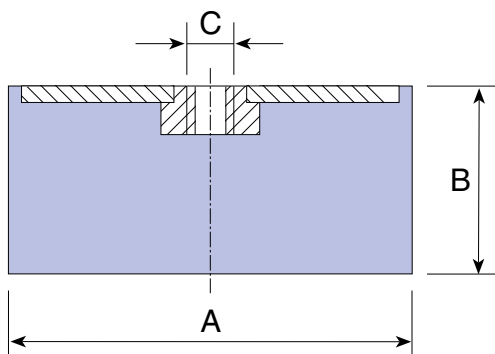
As buffers: In limiting impact stress. • End of stroke of spring or damper. • End of stroke of cranes and hoists. • Supporting fragile material or machinery in packaging applications.



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DRAWINGS



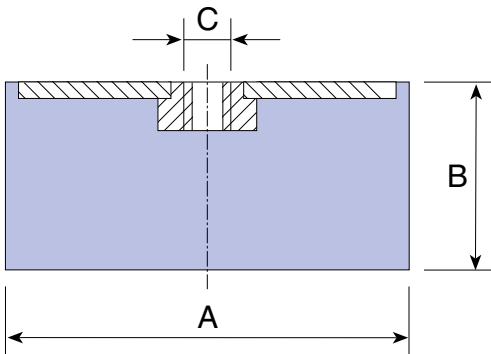
DIMENSIONS

Type	A (mm.)	B (mm.)	C (mm.)	COMPRESSION LOAD Max. daN	COMPRESSION DEFLECT. Mm.	Code
SIMPLE BUFFERS TYPE E 12-25	12,5	10	M-5	12	2	111001
	12,5	15	M-5	10	3	111002
	12,5	20	M-5	8	3,5	111003
	16	10	M-5	20	1,5	111004
	16	15	M-5	20	3	111005
	16	20	M-5	15	4	111006
	16	25	M-5	15	5	111007
	20	8,5	M-6	40	1,5	111008
	20	15	M-6	35	4	111009
	20	20	M-6	30	5	111010
	20	25	M-6	30	5,5	111011
	20	30	M-6	25	7	111012
	25,5	10	M-6	80	2	111091
	25,5	15	M-6	60	3,5	111092
	25,5	20	M-6	55	4,5	111093
	25,5	25	M-6	50	6	111094
	25,5	30	M-6	50	8	111095
	25,5	10	M-8	80	2	111013
	25,5	15	M-8	60	3,5	111014
	25,5	19	M-8	55	4,5	111015
25,5	22	M-8	50	5,5	111016	
25,5	25	M-8	50	6	111017	
25,5	30	M-8	50	8	111018	
25,5	40	M-8	50	10	111019	

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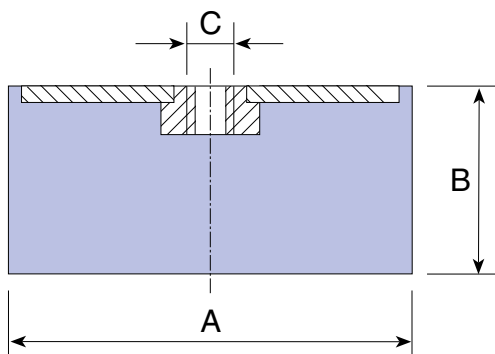
DIMENSIONS

Type	A (mm.)	B (mm.)	C (mm.)	COMPRESSION LOAD Max. daN	COMPRESSION DEFLECT. Mm.	Code
SIMPLE BUFFERS TYPE E 30-50	30	15	M-8	90	3	111020
	30	22	M-8	80	5	111021
	30	25	M-8	75	6,5	111101
	30	30	M-8	70	8	111022
	30	40	M-8	60	9	111023
	40	20	M-8	160	5	111112
	40	25	M-8	150	6	111113
	40	28	M-8	150	6	111114
	40	30	M-8	150	6	111115
	40	35	M-8	120	8	111116
	40	40	M-8	120	10	111117
	40	45	M-8	120	11	111118
	40	20	M-10	160	5	111024
	40	25	M-10	150	6	111110
	40	28	M-10	150	6	111025
	40	30	M-10	150	6	111111
	40	35	M-10	120	8	111026
	40	40	M-10	120	10	111027
	40	45	M-10	120	11	111028
	50	20	M-10	300	5	111121
	50	25	M-10	300	6	111029
	50	30	M-10	275	7	111122
	50	35	M-10	250	8	111030
	50	40	M-10	210	10	111123
	50	45	M-10	190	11	111031
	50	50	M-10	170	11	111124
	50	60	M-10	150	11	111032

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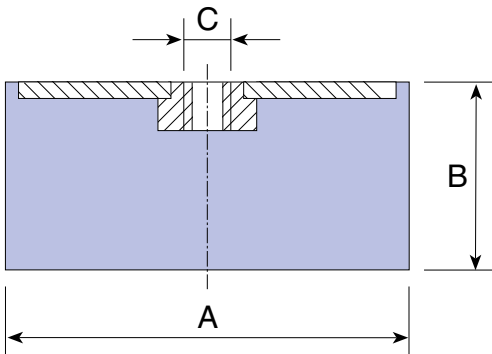
DIMENSIONS

Type	A (mm.)	B (mm.)	C (mm.)	COMPRESSION LOAD Max. daN	COMPRESSION DEFLECT. Mm.	Code
SIMPLE BUFFERS TYPE E 60-95	60	25	M-10	400	6	111033
	60	36	M-10	300	9	111034
	60	45	M-10	250	11	111035
	60	60	M-10	200	12	111036
	70	35	M-10	450	8	111037
	70	50	M-10	350	11	111038
	70	60	M-10	300	12	111039
	70	70	M-10	300	14	111040
	75	25	M-12	650	7	111041
	75	40	M-12	500	9	111042
	75	45	M-12	500	10	111043
	75	55	M-12	450	11	111044
	80	30	M-14	950	7	111045
	80	40	M-14	600	9	111046
	80	50	M-14	550	10	111047
	80	55	M-14	550	11	111048
	80	70	M-14	500	13	111049
	80	75	M-14	450	14	111050
	95	40	M-16	1200	8	111051
	95	55	M-16	1000	11	111052
95	60	M-16	800	12	111053	
95	75	M-16	700	13	111054	

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Type	A (mm.)	B (mm.)	C (mm.)	COMPRESSION LOAD Max. daN	COMPRESSION DEFLECT. Mm.	Code
SIMPLE BUFFERS TYPE E 105-150	105	50	M-16	1200	9	111055
	105	75	M-16	1000	13	111056
	105	100	M-16	800	16	111057
	120	50	M-16	1500	9	111058
	120	75	M-16	1200	13	111059
	120	100	M-16	1000	16	111060
	130	50	M-16	1600	9	111062
	130	75	M-16	1450	13	111063
	130	100	M-16	1200	16	111064
	150	50	M-20	1800	9	111065
	150	75	M-20	1650	13	111066
	150	100	M-20	1400	16	111067

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OPERATION AND ASSEMBLY



These buffers can be used in these two ways: As actual buffers - impact taking place at an end of a stroke, taking into account the maximum deflection the stop has to give. As flexible mounts where the buffers may be screwed to the base of the machine so that its flat surface rests directly on the floor or ground.

ADVANTAGES



; Easy to install . • High efficiency when used as mount or buffer.; Flexibility in moving machines which are not secured to the floor or ground, or of moving the buffers to different points where ends of stroke may be made.