

AMC MECANOCAUCHO® BUFFERS

DESCRIPTION

The rigid buffers used as ends of stroke or to check moving parts give rise to very high stresses at the time of the impact and therefore to rapid deterioration, accompanied by an often unacceptable noise, particularly when these impacts are repeated periodically.

The elastic buffers get rid of these drawbacks completely, as they are soundproofed with rubber.

The single buffer is a flat surface of rubber and therefore responds immediately to impact, without over-extending the stroke of the moving organ.

The progressive buffer has a conical form in the rubber, and therefore makes contact on a progressive surface, which increases with crushing. The action is more gradual and is particularly good for a considerable absorption of energy, without a prohibitive instant stress.

OPERATION AND ASSEMBLY

The elastic buffers can be used in these two possibilities:

- **As actual buffers:** The impact takes place as an end of stroke, taking into account the maximum deflection the stop may give.
- **As elastic mounts.** When installed as elastic mounts, the buffers may be screwed to the base of the machine so that its flat surface rests directly on the floor or ground.

TECHNICAL CHARACTERISTICS

The elastic buffers are made with a compound of rubber which permits major deformations with notable absorptions of energy.

They can be made with high-damping rubber to order. The absorption of energy is performed thus, irreversibly and opposes the rebound phenomenon.

ADVANTAGES

- Easy to install in all cases.
- Great efficacy when used as mount or as buffer.
- Possibility of moving the 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.

APPLICATIONS

As buffers: In any case for limiting a flexible element.

- End of stroke of spring or damper.
- End of stroke of cranes and hoists.
- Setting of fragile material in packings.



SIMPLE BUFFERS

AMC

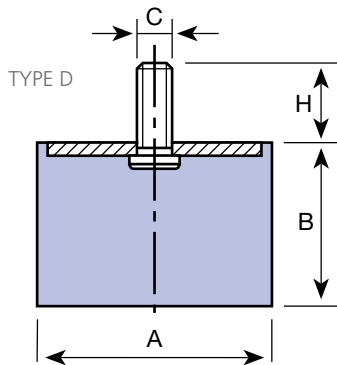
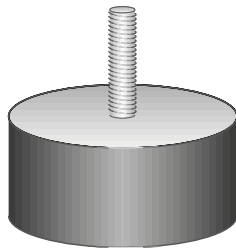
MECANOCAUCHO®

TYPE D

APPLICATIONS

As buffers: In any case for limiting a flexible element.

- End of stroke of spring or damper.
- End of stroke of cranes and hoists.
- Setting of fragile material in packings.



Type	Code	A (mm.)	B (mm.)	C	H (mm.)	COMPRESSION LOAD Max. daN	COMPRESSION DEFLECT. mm.
SIMPLE BUFFERS AMC 12-25	110001	12,5	10	M5	10	12	2
	110002	12,5	15	M5	10	10	3
	110003	12,5	20	M5	10	8	3,5
	110004	16	10	M5	12	20	1,5
	110005	16	15	M5	12	20	3
	110006	16	20	M5	12	15	4
	110007	16	25	M5	12	15	5
	110008	20	8,5	M6	16,5	40	1,5
	110009	20	15	M6	16,5	35	4
	110010	20	20	M6	16,5	30	5
	110011	20	25	M6	16,5	30	5,5
	110012	20	30	M6	16,5	25	7
	110091	25,5	10	M6	18	80	2
	110092	25,5	15	M6	18	60	3,5
	110093	25,5	20	M6	18	55	4,5
	110094	25,5	25	M6	18	50	6
	110095	25,5	30	M6	18	50	8
	110013	25,5	10	M8	20	80	2
	110014	25,5	15	M8	20	60	3,5
110015	25,5	19	M8	20	55	4,5	
110016	25,5	22	M8	20	50	5,5	
110017	25,5	25	M8	20	50	6	
110018	25,5	30	M8	20	50	8	
110019	25,5	40	M8	20	50	10	
SIMPLE BUFFERS AMC 30-50	110020	30	15	M8	20	90	3
	110021	30	22	M8	20	80	5
	110101	30	25	M8	20	75	6,5
	110022	30	30	M8	20	70	8
	110023	30	40	M8	20	60	9
	110112	40	20	M8	20	160	5
	110113	40	25	M8	20	150	6
	110114	40	28	M8	20	150	6
	110115	40	30	M8	20	150	6
	110116	40	35	M8	20	120	8
	110117	40	40	M8	20	120	10
	110118	40	45	M8	25	120	11
	110024	40	20	M10	25	160	5
	110110	40	25	M10	25	150	6
	110025	40	28	M10	25	150	6
	110111	40	30	M10	25	150	6
	110026	40	35	M10	25	120	8
	110027	40	40	M10	25	120	10
	110028	40	45	M10	25	120	11
	110121	50	20	M10	25	300	5
110029	50	25	M10	25	300	6	
110122	50	30	M10	25	275	7	
110030	50	35	M10	25	250	8	
110123	50	40	M10	25	210	10	
110031	50	45	M10	25	190	11	
110124	50	50	M10	25	170	11	
110032	50	60	M10	25	150	11	
SIMPLE BUFFERS AMC 60-95	110033	60	25	M10	25	400	6
	110034	60	36	M10	25	300	9
	110035	60	45	M10	25	250	11
	110036	60	60	M10	25	200	12
	110037	70	35	M10	25	450	8
	110038	70	50	M10	25	350	11
	110039	70	60	M10	25	300	12
	110040	70	70	M10	25	300	14
	110041	75	25	M12	30	650	7
	110042	75	40	M12	30	500	9
	110043	75	45	M12	30	500	10
	110044	75	55	M12	30	450	11
	110045	80	30	M14	35	950	7
	110046	80	40	M14	35	600	9
	110047	80	50	M14	35	550	10
110048	80	55	M14	35	550	11	
110049	80	70	M14	35	500	13	
110050	80	75	M14	35	450	14	
110051	95	40	M16	45	1200	8	
110052	95	55	M16	45	1000	11	
110053	95	60	M16	45	800	12	
110054	95	75	M16	45	700	13	
SIMPLE BUFFERS AMC 105-150	110055	105	50	M16	45	1200	9
	110056	105	75	M16	45	1000	13
	110057	105	100	M16	45	800	16
	110058	120	50	M16	45	1500	9
	110059	120	75	M16	45	1200	13
	110060	120	200	M16	45	1000	16
	110062	130	50	M16	45	1600	9
	110063	130	75	M16	45	1450	13
	110064	130	200	M16	45	1200	16
	110065	150	50	M20	50	1800	9
110066	150	75	M20	50	1650	13	
110067	150	200	M20	50	1400	16	

SIMPLE BUFFERS

AMC

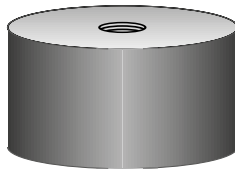
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TYPE E

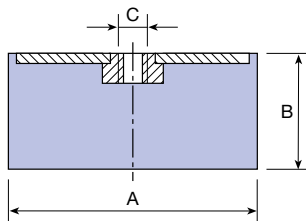
APPLICATIONS

As buffers: In any case for limiting a flexible element.

- End of stroke of spring or damper.
- End of stroke of cranes and hoists.
- Setting of fragile material in packings.



TYPE E



Type	Code	A (mm.)	B (mm.)	C	COMPRESSION LOAD Max. daN	COMPRESSION DEFLECT. mm.
SIMPLE BUFFERS TYPE E 12-25	111001	12,5	10	M5	12	2
	111002	12,5	15	M5	10	3
	111003	12,5	20	M5	8	3,5
	111004	16	10	M5	20	1,5
	111005	16	15	M5	20	3
	111006	16	20	M5	15	4
	111007	16	25	M5	15	5
	111008	20	8,5	M6	40	1,5
	111009	20	15	M6	35	4
	111010	20	20	M6	30	5
	111011	20	25	M6	30	5,5
	111012	20	30	M6	25	7
	111091	25,5	10	M6	80	2
	111092	25,5	15	M6	60	3,5
	111093	25,5	20	M6	55	4,5
	111094	25,5	25	M6	50	6
	111095	25,5	30	M6	50	8
	111013	25,5	10	M8	80	2
	111014	25,5	15	M8	60	3,5
111015	25,5	19	M8	55	4,5	
111016	25,5	22	M8	50	5,5	
111017	25,5	25	M8	50	6	
111018	25,5	30	M8	50	8	
111019	25,5	40	M8	50	10	
SIMPLE BUFFERS TYPE E 30-50	111020	30	15	M8	90	3
	111021	30	22	M8	80	5
	11101	30	25	M8	75	6,5
	111022	30	30	M8	70	8
	111023	30	40	M8	60	9
	111112	40	20	M8	160	5
	111113	40	25	M8	150	6
	111114	40	28	M8	150	6
	111115	40	30	M8	150	6
	111116	40	35	M8	120	8
	111117	40	40	M8	120	10
	111118	40	45	M8	120	11
	111024	40	20	M10	160	5
	111110	40	25	M10	150	6
	111025	40	28	M10	150	6
	111111	40	30	M10	150	6
	111026	40	35	M10	120	8
	111027	40	40	M10	120	10
	111028	40	45	M10	120	11
	111121	50	20	M10	300	5
111029	50	25	M10	300	6	
111122	50	30	M10	275	7	
111030	50	35	M10	250	8	
111123	50	40	M10	210	10	
111031	50	45	M10	190	11	
111124	50	50	M10	170	11	
111032	50	60	M10	150	11	
SIMPLE BUFFERS TYPE E 60-95	111033	60	25	M10	400	6
	111034	60	36	M10	300	9
	111035	60	45	M10	250	11
	111036	60	60	M10	200	12
	111037	70	35	M10	450	8
	111038	70	50	M10	350	11
	111039	70	60	M10	300	12
	111040	70	70	M10	300	14
	111041	75	25	M12	650	7
	111042	75	40	M12	500	9
	111043	75	45	M12	500	10
	111044	75	55	M12	450	11
	111045	80	30	M14	950	7
	111046	80	40	M14	600	9
	111047	80	50	M14	550	10
	111048	80	55	M14	550	11
111049	80	70	M14	500	13	
111050	80	75	M14	450	14	
111051	95	40	M16	1200	8	
111052	95	55	M16	1000	11	
111053	95	60	M16	800	12	
111054	95	75	M16	700	13	
SIMPLE BUFFERS TYPE E 105-150	111055	105	50	M16	1200	9
	111056	105	75	M16	1000	13
	111057	105	100	M16	800	16
	111058	120	50	M16	1500	9
	111059	120	75	M16	1200	13
	111060	120	100	M16	1000	16
	111062	130	50	M16	1600	9
	111063	130	75	M16	1450	13
111064	130	100	M16	1200	16	
111065	150	50	M20	1800	9	
111066	150	75	M20	1650	13	
111067	150	100	M20	1400	16	

PROGRESSIVE BUFFERS AMC MECANOCAUCHO®

APPLICATIONS

As buffers: In any case for limiting a flexible element.

- End of stroke of spring or damper.
- End of stroke of cranes and hoists.
- Setting of fragile material in packings.



TYPE A		Type	Code	A (mm.)	B (mm.)	C	H (mm.)	Load (Kg.)	Energy a 1 m/s Kg. M.	Dynamic Deflection mm.
		T-25	115001	25	19	M8	20	100	0,3	8
T-30	115002	30	30	M6	16	140	0,6	15		
T-40	113025	35	40	M10	25	180	2	20		
T-50	115003	50	50	M8	20	340	3	25		
T-50	115004	50	64	M8	35	370	4	32		
T-50	115005	50	58	M8	20	400	3,7	28		
T-70	115006	72	58	M12	30	550	5	26		

TYPE C		Type	Code	A (mm.)	B (mm.)	C	Load (Kg.)	Energy a 1 m/s Kg. M.	Dynamic Deflection mm.
		T-25	115008	25	19	M8	100	0,3	8
T-30	115009	30	30	M6	140	0,6	15		
T-50	115010	50	50	M8	340	3	25		
T-50	115011	50	64	M8	370	4	32		
T-50	115012	50	58	M8	400	3,7	28		
T-70	115014	72	58	M12	550	5	26		
T-95	115015	95	80	M16	1100	12	37		

TYPE A		Type	Code	A (mm.)	B (mm.)	C	H (mm.)	Load (Kg.)	Energy a 1 m/s Kg. M.	Dynamic Deflection mm.
		T-95	115007	95	80	M16	45	1100	12	37
T - 85	116001	84	52	M12	35	1500	20	20		
T - 120	116002	120	75	M16	45	3000	34	22		
T - 220	116003	220	137	M24	80	15000	250	40		

TYPE C		Type	Code	A (mm.)	B (mm.)	C	Load (Kg.)	Energy a 1 m/s Kg. M.	Dynamic Deflection mm.
		T - 85	116011	84	52	M12	1500	20	20
T - 120	116012	120	75	M16	3000	34	22		
T - 220	116013	220	137	M24	15000	250	40		

DIABOLO BUFFERS AMC MECANOCAUCHO®

APPLICATIONS

As buffers: In any case for limiting a flexible element.

- End of stroke of spring or damper.
- End of stroke of cranes and hoists.
- Setting of fragile material in packings.

TYPE A							Type	Code	A (mm.)	B (mm.)	C	H (mm.)	Static Load max. daN	Dynamic Load max. daN	Dynamic Deflection mm.	Static Deflection mm.
	F.3	114001	30	23	M8	20	40	90	9	5						
F.7	114002	44	42	M8	20	50	100	10	6							
F.1	114003	60	44	M8	20	40	100	10	4							
F.2	114004	60	44	M8	20	75	200	12	5,5							
F.4	114005	60	60	M10	25	150	350	15	8							
F.8	114006	60	31	M10	25	100	275	14	7							
F.5	114007	80	65	M14	35	300	800	16	9,5							
F.6	114008	95	70	M16	45	400	1000	18	9,5							

TYPE C					Type	Code	A (mm.)	B (mm.)	C	Static Load max. daN	Dynamic Load max. daN	Dynamic Deflection mm.	Static Deflection mm.
	F.3	114011	30	23	M8	40	90	9	5				
F.7	114012	44	42	M8	50	100	10	6					
F.1	114013	60	44	M8	40	100	10	4					
F.2	114014	60	44	M8	75	200	12	5,5					
F.4	114015	60	60	M10	150	350	15	8					
F.8	114016	60	31	M10	100	275	14	7					
F.5	114017	80	65	M14	300	800	16	9,5					
F.6	114018	95	70	M16	400	1000	18	9,5					

CYLINDRICAL BUFFERS AMC MECANOCAUCHO®

APPLICATIONS

As buffers: In any case for limiting a flexible element.

- End of stroke of spring or damper.
- End of stroke of cranes and hoists.
- Setting of fragile material in packings.



	Type	Code	A (mm.)	B (mm.)	C	D (mm.)	H (mm.)	Load (Kg.)	DEFLECTION mm.	Energy a 1 m/s Kg. M.
	T - 150	117001	160	125	185	150	13,5	5000	50	125
T - 250	117002	250	208	315	250	14,5	40000	100	1250	