

Diabolo Buffers Type D

Elastic diabolo-shaped rubber buffer with male fixing, designed to absorb shocks, limit travel and reduce forces transmitted to the supporting structure.



The **AMC-MECANOCAUCHO® Type D Male Diabolo Buffers** are elastic rubber elements designed to **absorb shocks and limit the travel of moving parts or equipment**.

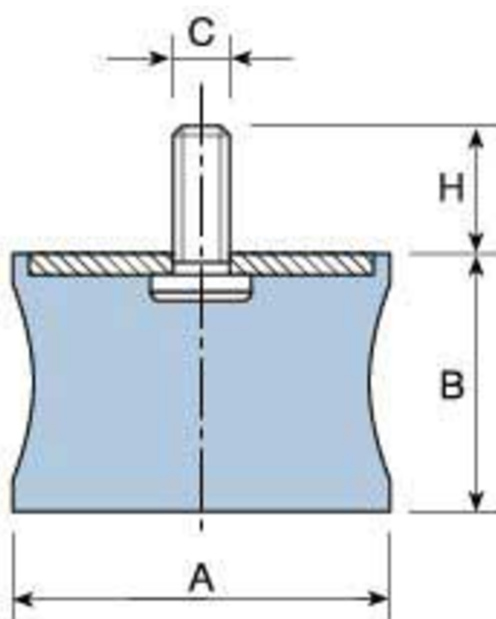
Their **diabolo-shaped geometry** allows significant rubber deformation under compression. This characteristic provides **progressive absorption of impact energy** and helps reduce the forces transmitted to the supporting structure compared with a rigid stop.

The use of rubber also helps to **reduce shock and noise at the end of travel**, whilst protecting mechanical components against repeated contact.

Featuring a **male threaded fixing**, Type D Diabolo Buffers are particularly suitable for **industrial machinery, mobile equipment, mechanisms, doors and systems subjected to repeated impacts or movements**.

Drawings

F.3 / F.7 / F.1 / F.2 / F.4 / F.8 / F.5 / F.6



Type	Code	A(mm)	B(mm)	C(mm)	H(mm)	Weight(kg)	Static Load Max (daN)	Maximum Total Load (N)	Dynamic Deflection (mm)	Static Deflection (mm)
F.3	114001	30	23	M-8	20	0.032	40	900	9	5
F.7	114002	44	42	M-8	20	0.07	50	1000	10	6
F.1	114003	60	44	M-8	20	0.116	40	1000	10	4
F.2	114004	60	44	M-8	20	0.131	75	2000	12	5,5
F.4	114005	60	60	M-10	25	0.221	150	3500	15	8
F.8	114006	60	31	M-10	25	0.135	100	2750	14	3,5
F.5	114007	80	70	M-14	35	0.504	300	8000	16	9,5
F.6	114008	95	70	M-16	45	0.725	400	10000	18	9,5

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.

