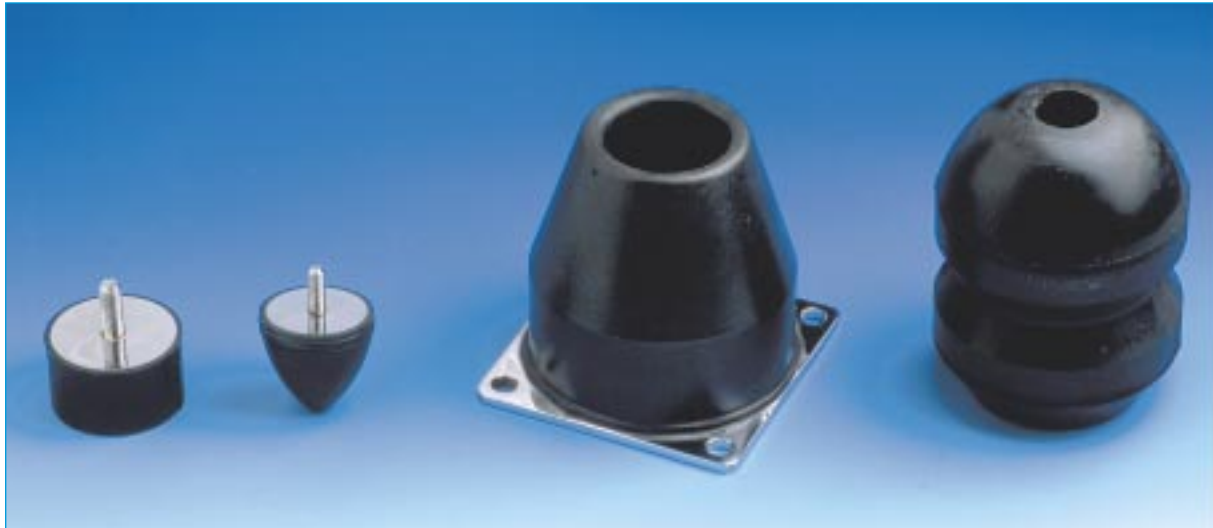


STOPS

See : Supports and
Bump stops



Cylindrical stop

Conical progressive
stop

LEVAFLEX progressive
stop

EVIDGOM stop

DESCRIPTION

There are several types of stops :

- Cylindrical or DIABOLO stops.
- Conical progressive stops.
- LEVAFLEX progressive stops with central cavity.
- EVIDGOM stops.

OPERATION

The design of the PAULSTRA elastic stops gives the following basic characteristics :

- Highly deformable allowing high energies to be absorbed.
- Progressive absorption of energy due to the carefully designed shape.

Advantages :

- By comparison with rigid stops, PAULSTRA elastic stops are quiet and avoid hammering and deterioration of equipment.

Recommendations :

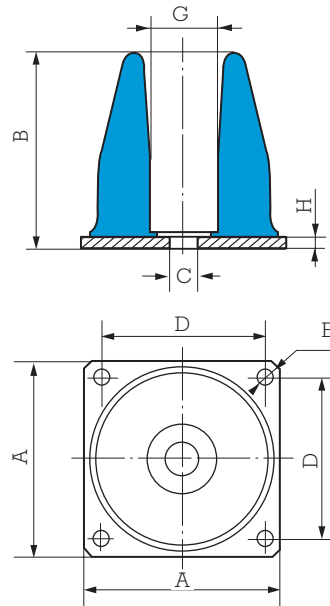
- The stops must be fitted so that, on impact, the axis of the stop is perpendicular to the contact surface.
- On impact, the external diameter of the stop increases : this must be allowed for when fixing.

LEVAFLEX PROGRESSIVE STOPS

Reference	A mm	B mm	Ø C mm	D mm	Ø E mm	Ø G mm	H mm	Weight g
514085	85	85	8.5	69	8.5	20	5	600
514110	110	110	12.5	90	8.5	30	6	1200
514130	130	130	19	106	11	40	6	2000
514160	160	160	23	132	11	45	8	3000
514200	200	200	28	168	13	60	10	7000

See current price list for availability of items.

Repetitive shocks			Exceptional shock energy Joules	Reference hardness
Energy Joules	Corresponding deflection mm	Reaction daN		
170	40	1200	500	514085/60
280	40	1700	850	514085/75
330	50	1800	1000	514110/60
550	50	3400	1500	514110/75
600	65	2800	1800	514130/60
650	60	3000	1900	514130/75
1050	75	4500	3000	514160/60
1200	90	4000	3600	514200/60
1300	70	6000	3900	514160/75
2200	85	7800	6600	514200/75



EVIDGOM STOPS

Repetitive shocks			Exceptional shock energy Joules	Reference hardness
Energy Joules	Corresponding deflection mm	Reaction daN		
31	30	190	95	810644
100	50	580	300	810645
110	45	600	330	810666
180	67	750	540	810642
350	75	1250	1050	810653
360	65	1400	1100	810655
400	85	1500	1200	810669
300	70	900	--	810784
600	75	1625	--	810775
1050	90	2375	--	810776
2500	90	5500	--	810733/60
7100	150	11000	--	810732/60
9500	200	9500	--	810731/60
13000	130	18000	--	810732/75
17500	175	19000	--	810731/75
21000	200	25000	--	810735/60
29000	250	35000	--	810734/60
41000	200	70000	--	810735/75
50000	250	55000	--	810734/75

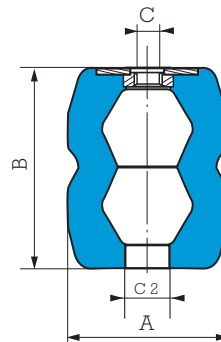


Fig. 1

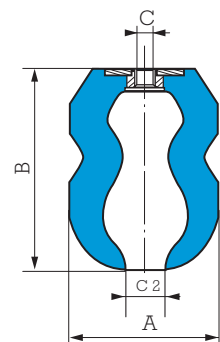


Fig. 2

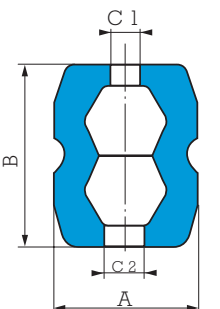


Fig. 3

Stop reference	Fig.	All rubber Evidgom reference	Ø A mm	B mm	Ø C	Ø C ₁ mm	Ø C ₂ mm	Ø D mm	Ø A under load mm
810642	1	810022	85	120	M16	20	30	--	114
810644	1	810004	55	55	M10	14	14	--	72
810645	2	810035	66	93	M16	20	14	--	100
810653	1	810023	100	130	M16	20	30	--	140
810655	1	810025	110	132	M16	20	30	--	142
810666	2	810046	76	90	M16	20	14	--	98
810669	2	810029	110	150	M16	20	30	--	155
810731	3	--	250	400	6 X M24	70	70	150	360
810732	3	--	250	315	6 X M24	70	70	150	380
810733	3	--	250	230	6 X M24	70	70	150	370
840734	3	--	350	500	6 X M24	85	85	196	445
810735	3	--	350	395	6 X M24	85	85	196	500
810775	1	810015	155	150	M16	25	40	--	202
810776	1	810016	188	180	M24	40	30	--	256
810784	1	810014	125	140	M16	30	25	--	168

NOTE : The values are given for test conditions with an impact speed of 1 m/s. Consult us for speeds that are much higher.

DEFLECTION CURVES AND ENERGY VALUES FOR PROGRESSIVE, LEVAFLEX AND EVIDGOM STOPS (Pages 61 and 62)

