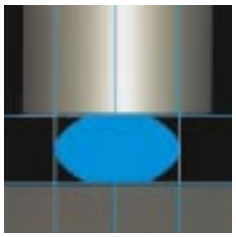


EVIDGOM®

(1) Natural frequency : 2.5 to 7 Hz

DESCRIPTION

The EVIDGOM mounting is formed from two thick conical membranes, joined at their bases to create a highly elastic mounting.
There are three variations :

- All rubber EVIDGOM.
- EVIDGOM with bonded fixing.
- EVIDGOM with a diamond or square mounting plate (fixing plate supplied as a separate kit).

OPERATION

The design of the EVIDGOM mounting gives the following basic characteristics :

- A very high axial elasticity.
- Very low natural frequency (a few Hertz).
- Progressive buffer against shocks or accidental overload.

Advantages :

- As the load/deflection curve has a point of inflection, a suspension may be designed to have a sub-tangent greater than the static deflection.
- The elastomer used provides intrinsic damping with a corresponding ability to absorb energy which gives appreciable advantages over metallic springs.

Recommendations :

- The selection of a low natural frequency (large deflection) must not be allowed to endanger the stability of the suspension (tall equipment).
- In certain cases (use under maximum load) the use of side stops is recommended.

(1) Natural frequencies with max/min loads, see : OPERATING CHARACTERISTICS.

DIMENSIONS

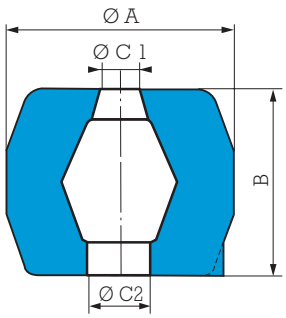


Fig. 1

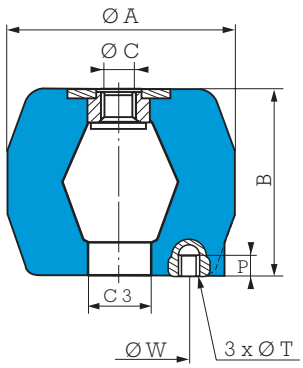


Fig. 2

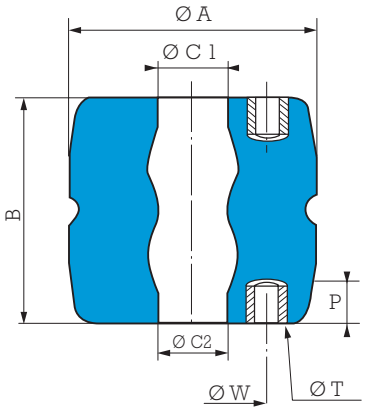
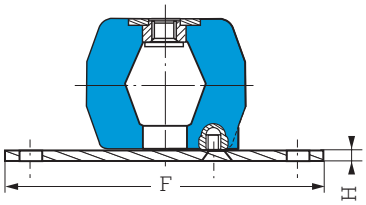


Fig. 3

Ø A mm	B mm	Evidgom reference				Ø C	Ø C_1 mm	Ø C_2 mm	Ø C_3 mm	Ø W mm	Ø T	P mm
		All rubber	Fig.	With fixings	Fig.							
34	25	**810002**	1				8	8				
40	55	**810003**	1				14	14				
50	70	**810005**	1				14	14				
60	40			**810780**	2	M10		25	25	40	M6	6
85	70	**810006**	1	**810766**	2	M16	20	30	30	60	M8	8
95	90	**810008**	1	**810768**	2	M16	20	30	30	60	M8	8
108	90	**810009**	1	**810769**	2	M16	20	30	34	70	M10	10
120	110	**810012**	1				20	30				
140	120	**810013**	1	**810773**	2	M16	25	40	35	70	M10	10
125	140	**810014**	1	**810784**	2	M16	25	30	25	70	M10	10
140	90	**810019**	1	**810779**	2	M16	28	12	28	70	M10	10
140	56	**810020**	1	**810770**	2	M16	30	30	30	70	M10	10
155	150	**810015**	1	**810775**	2	M16	25	30	30	90	M14	14
188	180	**810016**	1	**810776**	2	M24	40	40	40	90	M14	14
250	230	-	-	**810733**	3	-	70	70		150	6 X M24	40
350	290	-	-	**810736**	3	-	85	85		196	8 X M24	40

See current price list for availability of items

Lower fixing plate



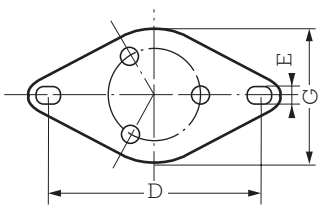


Fig. a

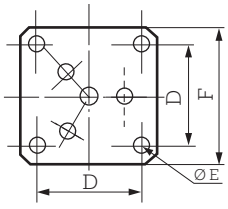


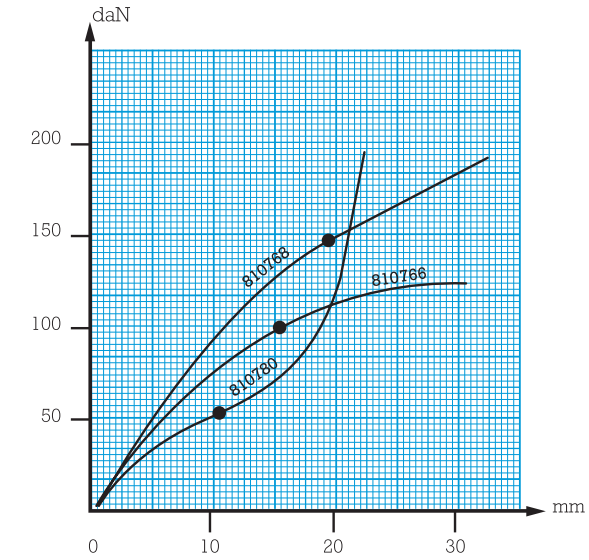
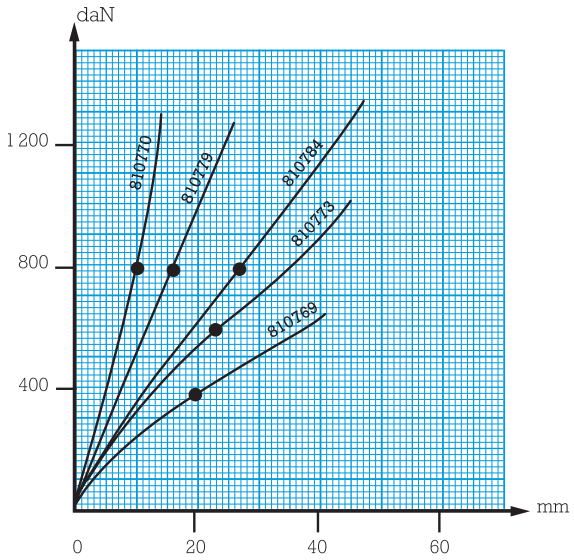
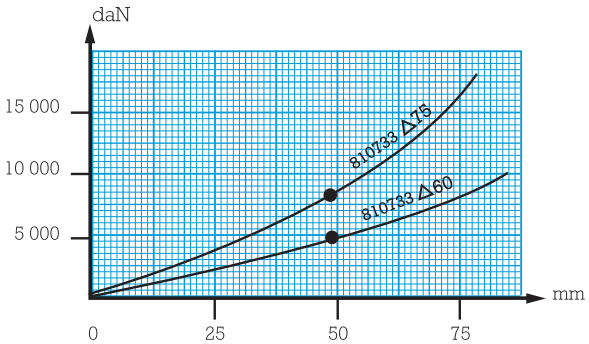
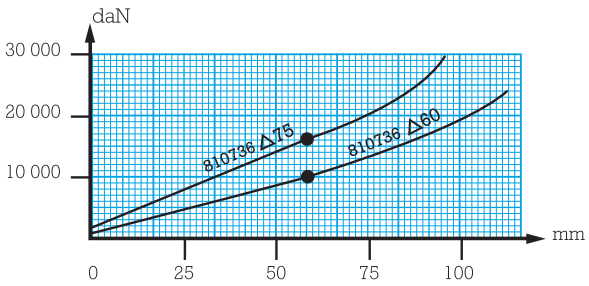
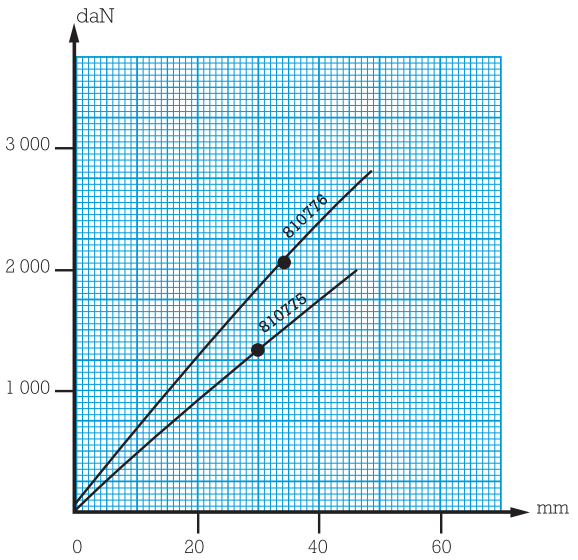
Fig. b

Evidgom reference	Fixing pack reference	Fig.	D mm	E mm	F mm	G mm	H mm
810780	**337566**	a	98/102	8.2	117	65	5
810766	**337567**	a	124/128	10.2	158	110	5
810768	**337567**	a	124/128	10.2	158	110	5
810769	**337568**	a	178/182	10.2	214	150	6
810773	**337568**	a	178/182	10.2	214	150	6
810784	**337568**	a	178/182	10.2	214	150	6
810779	**337568**	a	178/182	10.2	214	150	6
810770	**337568**	a	178/182	10.2	214	150	6
810775	**337569**	b	170	10.5	200	-	8
810776	**337569**	b	170	10.5	200	-	8

OPERATING CHARACTERISTICS

Nominal static load daN	Deflect. ± 15 % mm	Ø A mm under nominal charge	Height B mm	Reference
5-15	5	40	25	**810002**
10-40	11	50	55	**810003**
20-80	14	63	80	**810005**
15-60	10	80	40	**810780**
25-100	15	105	70	**810766**
35-150	18	124	90	**810768**
100-400	20	136	90	**810769**
100-390	23	134	110	**810012**
150-600	24	175	120	**810773**

Nominal static load daN	Deflect. ± 15 % mm	Ø A mm under nominal charge	Height B mm	Reference
200-800	26	170	140	**810784**
200-800	16	175	90	**810779**
200-800	10	166	56	**810770**
325-1300	30	175	150	**810775**
500-2000	35	240	180	**810776**
1250-5000	50	345	230	**810733Δ60**
2000-8000	50	345	230	**810733Δ75**
2250-9000	60	500	290	**810736Δ60**
3500-14000	60	500	290	**810736Δ75**

See current price list for availability of items.

LOAD/DEFLECTION CURVES IN AXIAL COMPRESSION