



## EVIDGOM®

Natural frequency : (1)  
2,5 to 7 Hz

## DESCRIPTION

The EVIDGOM® mount 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® mount 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 :

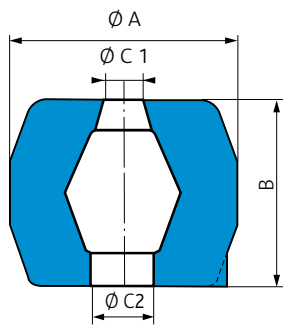
- As the load/deflection curve has a point of inflection, a suspension may be designed to have a sub-tangent greater than the static deflection.
- The elastomer used provides intrinsic damping with a corresponding ability to absorb energy which gives appreciable advantages over metallic springs.

### Recommendations :

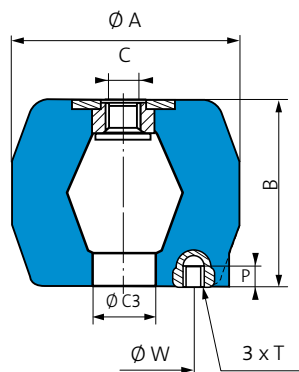
- The selection of a low natural frequency (large deflection) must not be allowed to endanger the stability of the suspension (tall equipment).
- In certain cases (use under maximum load) the use of side stops is recommended.

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

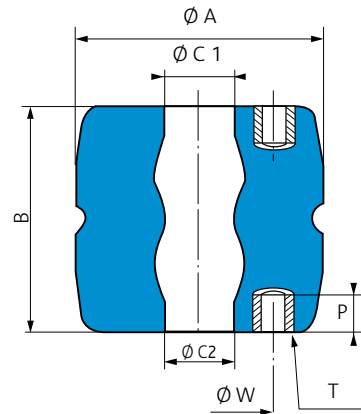
# DIMENSIONS



Shape 1



Shape 2

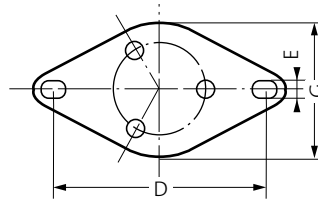
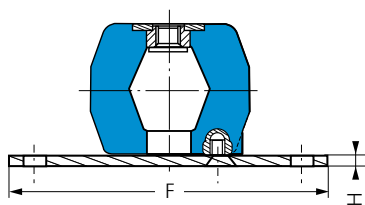


Shape 3

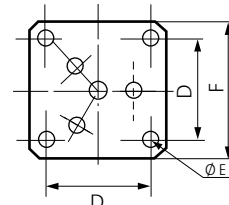
Ø A (mm)	B (mm)	EVIDGOM® reference				C	Ø C1 (mm)	Ø C2 (mm)	Ø C3 (mm)	Ø W (mm)	T	P (mm)
		All rubber	Shape	With fixings	Shape							
34	25	<b>810002</b>	1	-	-	-	8	8	-	-	-	-
40	55	<b>810003</b>	1	-	-	-	14	14	-	-	-	-
50	70	<b>810005</b>	1	-	-	-	14	14	-	-	-	-
60	40	-	-	<b>810780</b>	2	M10	-	25	25	40	M6	6
85	70	<b>810006</b>	1	<b>810766</b>	2	M16	20	30	30	60	M8	8
95	90	<b>810008</b>	1	<b>810768</b>	2	M16	20	30	30	60	M8	8
108	90	<b>810009</b>	1	<b>810769</b>	2	M16	20	30	34	70	M10	10
120	110	<b>810012</b>	1	-	-	-	20	30	-	-	-	-
140	120	<b>810013</b>	1	<b>810773</b>	2	M16	25	40	35	70	M10	10
125	140	<b>810014</b>	1	<b>810784</b>	2	M16	25	30	25	70	M10	10
140	90	<b>810019</b>	1	<b>810779</b>	2	M16	28	12	28	70	M10	10
140	56	<b>810020</b>	1	<b>810770</b>	2	M16	30	30	30	70	M10	10
155	150	<b>810015</b>	1	<b>810775</b>	2	M16	25	30	30	90	M14	14
188	180	<b>810016</b>	1	<b>810776</b>	2	M24	40	40	40	90	M14	14
250	230	-	-	<b>810733</b>	3	-	70	70	-	150	6 X M24	40
350	290	-	-	<b>810736</b>	3	-	85	85	-	196	8 X M24	40

See current price list for availability of items.

## Lower fixing plate



Shape a



Shape b

EVIDGOM® reference	Fixing pack reference	Shape	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
<b>810780</b>	<b>337566</b>	a	98/102	8,2	117	65	5
<b>810766</b>	<b>337567</b>	a	124/128	10,2	158	110	5
<b>810768</b>	<b>337567</b>	a	124/128	10,2	158	110	5
<b>810769</b>	<b>337568</b>	a	178/182	10,2	214	150	6
<b>810773</b>	<b>337568</b>	a	178/182	10,2	214	150	6
<b>810784</b>	<b>337568</b>	a	178/182	10,2	214	150	6
<b>810779</b>	<b>337568</b>	a	178/182	10,2	214	150	6
<b>810770</b>	<b>337568</b>	a	178/182	10,2	214	150	6
<b>810775</b>	<b>337569</b>	b	170	10,5	200	-	8
<b>810776</b>	<b>337569</b>	b	170	10,5	200	-	8



# OPERATING CHARACTERISTICS

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

Nominal static load (daN)	Deflect. $\pm 15\%$ (mm)	$\varnothing A$ (mm) under nominal charge	Height B (mm)	Reference
200-800	26	170	140	<b>810784</b>
200-800	16	175	90	<b>810779</b>
200-800	10	166	56	<b>810770</b>
325-1300	30	175	150	<b>810775</b>
500-2000	35	240	180	<b>810776</b>
1250-5000	50	345	230	<b>810733<math>\Delta</math>60</b>
2000-8000	50	345	230	<b>810733<math>\Delta</math>75</b>
2250-9000	60	500	290	<b>810736<math>\Delta</math>60</b>
3500-14000	60	500	290	<b>810736<math>\Delta</math>75</b>

See current price list for availability of items.

## LOAD/DEFLECTION CURVES IN AXIAL COMPRESSION

