







Каталог резиновых демпферов







MOUNTINGS SELECTION GUIDE




Nominal static load (daN)	HIGH RADIAL FLEXIBILITY	LOW FREQUENCY	HIGH AXIAL FLEXIBILITY	
	RADIAFLEX	PAULSTRADYN®	STABIFLEX	S.C.
				
	Deflection - mm	Deflection - mm*	Deflection - mm	Deflection - mm
4		*		0.7
8	3.5	*		0.8
10	3			0.5
12	2 - 4	*		
15	4 - 5			
20	1.5 to 5.5	*		1.5
25	7			
30	4.5 - 6	*		1.2
35	2.5 to 7			
40	0.6 to 8		3.5	0.8
45				
50	3 to 10	*		2.5
60	2.5 to 9		3	1.8 to 3.5
70	7.5 - 8	*		4
80	1.5 to 7			1.5 - 4
90	3 to 8		3.5	
100		*		3 - 3.5
120	7 to 11			2 - 3
125			4	
130		*		3.5
150	4.5 to 8.5			1.5 - 3
160	4 to 9	*	3.5 - 4	
190	10 - 11			3 - 4
200		*	5	
220				5
250	7 to 11	*	3 - 4	2 - 5
275			4.5	
300	6 to 14	*		2 - 4
350	9 to 15			3.5 - 4.5
400	5 to 17	*	3.5 - 7	4.5 - 6
450	7 to 19		8	3 - 6.5
500	17	*		
550				2.5 - 3.5 - 4.5
600	7 to 10	*		5
700	18		8	6.5
800		*		
825				6.5
900	12			5 - 8
950	7 - 8			
1000		*	8	
1100	8			3 - 5 - 9.5
1250			7.5	11
1400		*		3 - 9.5
1600				11
1800			8	8.5
2000				
2100				8.5
2300				5
2600				5
5000				
8000				
9000				
14000				

* Range of parts using the same deflection (± 6.5 mm) to provide a natural frequency at 7 Hz.

MOUNTINGS SELECTION GUIDE




LOW FREQUENCY	HIGH AXIAL FLEXIBILITY		HIGH SHEAR FLEXIBILITY	Nominal static load (daN)
EVIDGOM®	S.T.C.	TRAXIFLEX	SANDWICH	
				
Deflection - mm	Deflection - mm	Deflection - mm	Deflection - mm	
				4
				8
				10
				12
		4		20
		4		25
	0.7			30
				35
				40
	0.7	4		45
10				50
	1.2			60
		4		70
		4		80
15	1.2			90
				100
				120
		4		125
18	1.2			130
				150
				160
				190
				200
	2			220
				250
	1.2			275
				300
20	2			350
				400
	2			450
				500
24				550
	3			600
10 - 16 - 26				700
				800
				825
				900
				950
	1 - 3			1000
				1100
28				1250
				1400
				1600
				1800
35				2000
				2100
				2300
				2600
50			12	5000
50				8000
60			6	9000
60			5	14000
			6	20000
			7	30000
			5	45000

MOUNTINGS APPLICATION GUIDE

APPLICATIONS	HIGH RADIAL FLEXIBILITY	LOW FREQUENCY	HIGH AXIAL FLEXIBILITY		
	RADIAFLEX	PAULSTRADYN®	STABIFLEX	S.C.	S.T.C.®
					
FANS					
AIR CONDITIONING					
PUMPS					
COMPRESSORS					
GEARBOXES					
GENERATING SETS					
IC ENGINES					
PLANT CABS					
VIBRATING TABLES/SCREENS					
HOPPERS					
MACHINE TOOLS					
PRESSES, GUILLOTINES					
GANTRIES					
CIVIL ENGINEERING					
CEILING, PIPEWORK					
LABORATORY EQUIPMENT					
ELECTRICAL ENCLOSURE					
TRANSFORMERS					
FRAGMENTERS					
SIEVES					

In general:
 For fixed installations: RADIAPLEX, PAULSTRADYN and BECA.
 For mobile installations: STABIFLEX, S.C., S.T.C.
 Avoid using the mount with the rubber to metal bond area in tension.
 These mounts should only be used in compression or shear.

MOUNTINGS APPLICATION GUIDE

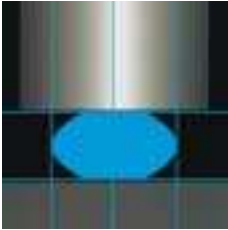
LOW FREQUENCY	HIGH AXIAL FLEXIBILITY		HIGH SHEAR FLEXIBILITY	LOW FREQUENCY	APPLICATIONS
EVIDGOM®	TRAXIFLEX	NIVOFIX	SANDWICH	BECA	
					
					FANS
					AIR CONDITIONING
					PUMPS
					COMPRESSORS
					GEARBOXES
					GENERATING SETS
					IC ENGINES
					PLANT CABS
					VIBRATING TABLES/SCREENS
					HOPPERS
					MACHINE TOOLS
					PRESSES, GUILLOTINES
					GANTRIES
					CIVIL ENGINEERING
					CEILINGS, PIPEWORK
					LABORATORY EQUIPMENT
					ELECTRICAL ENCLOSURE
					TRANSFORMERS
					FRAGMENTERS
					SIEVES



Recommended application



Admissible application



RADIAFLEX



DESCRIPTION

- Metalwork: mild steel, plated.
- Natural rubber, bonded, cylindrically shaped.
- Welded fixings: 5 styles (single side threaded stud, single side threaded hole, double threaded studs, double threaded holes, combination fixing).

In Europe, we often use different screw standards than our french standard.

To better satisfy this need, Paulstra has created a new range Radiaflex Europe.

This range is available with the 4 usual welded fixings and with a new fixing: **the threaded hole stop**.

CHARACTERISTICS

The design of the RADIAFLEX mount gives the following basic characteristics:

- Radial elasticity greater than axial elasticity.
- The rubber works in:
 - compression (axial).
 - shear (radial).
 - compression/shear according to the fixing method.

Advantages:

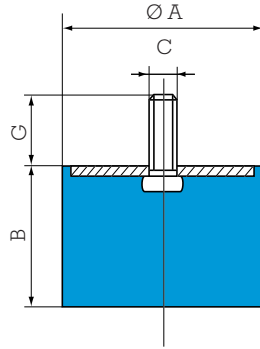
- Simple to fix.
- Simple and economical.
- Extensive range:
 - 13 stud diameters.
 - Several heights for each diameter.
 - 5 methods of fixing.

Recommendations:

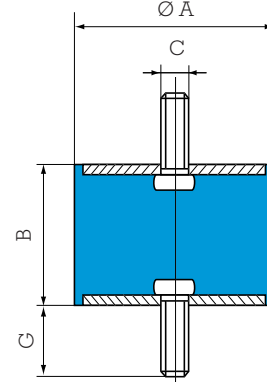
- Operation in shear is very useful for vibration isolation provided that the radial forces are not too great.

DIMENSIONS AND COMPRESSIVE LOADS

SINGLE STUD FIXING



DOUBLE STUDS FIXING



New RADIAFLEX references

Ø A mm	B mm	C	G mm	Compression		Ref.
				Max. load daN	Deflection mm	
12.5	10	M5	10	12	2	511110
	13.5			11	2.5	511128
	15			10	3	511115
	20			8	3.5	511125
16	10	M4	10	20	2	511150
	15			3	511151	
	10	M5	12	20	2	511292
	15			3	511294	
20	4			511296		
25	5	511298				
20	8.5	M6	16.5	40	1.5	511200
	15			4	511215	
	20			5	511220	
	25			5.5	511225	
	30			7	511230	
25.5	10	M6	18	80	2	511158
	15			3.5	511155	
	20			5	511159	
	30			8	511160	
	10	M8	20	80	2	511265
	15			3.5	511270	
	19			4.5	511251	
	22			5.5	511275	
25	6	511280				
30	8	511285				
40	10	511290				
30	15	M8	25	90	3.5	511308
	22			6	511310	
	30			8	511312	
	30			8	511312	
	40			9	511314	
40	30	M8	20	120	7	511157
	40			10	511161	
	20	M10	25	160	5	511450
	25			6	511401	
	35			8	511452	
40	10			511454		
45	11	511456				
50	25	M10	25	300	6	511525
	35			9	511535	
	45			11	511545	
60	22	M10	25	350	3	513601
	25			6	511625	
	36			9	511635	
	45			11	511645	
70	35	M10	25	450	9	511735
	50			12	511750	
	70			14	511770	
80	25	M14	45	1100	6	513801
	30			8	511830	
	40			10	511840	
	70			17	511870	
	80			19	511880	

Threaded hole fixing on request (except Ø 12.5).
See current price list for availability of items.

1 kg ≈ 1 daN

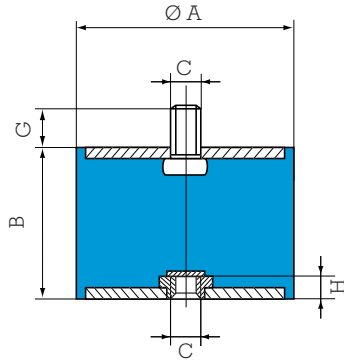
See Vibrachoc elastomer range: Threaded studs

Ø A mm	B mm	C	G mm	Compression		Shear*		Ref.
				Max. load daN	Deflect. mm	Max. load daN	Deflect. mm	
10	8	M3	6	10	1.6	1.25	0.9	**
12	8	M3	6	12	1.2	1.5	0.75	**
12.5	10	M5	10	12	2	1.5	1.5	521293
	15			3	2.5	2	521128	
	20			3.5	2.5	4	521295	
16	10	M4	10	20	1.5	2.5	1.5	521650
	15			3	2	521651		
	10	M5	12	20	1.5	2.5	1.5	521292
	15			3	2.5	2	521294	
20	4			2.5	4	521296		
25	5	2	5	521298				
20	8.5	M6	16.5	40	0.6	5	1	521178
	15			3	5	2.5	521249	
	20			4.5	5	3.5	521297	
	25			5.5	4.5	4.5	521299	
	30			7	4.5	4.5	521319	
25.5	10	M6	18	80	1.5	8	1.5	521655
	15			2.5	8	2.5	521656	
	20			2	8	4	521652	
	30			7.5	8	6	521653	
	10			M8	20	80	1.5	8
15	2.5	8	2.5			521341		
22	4	8	4			521251		
25	5.5	8	4.5			521342		
30	7.5	8	6			521343		
40	10	6.5	6	521344				
30	15	M8	25	90	3	11	2.5	521308
	22			5	11	4	521310	
	30			8	11	6	521312	
	30			8	11	6	521312	
	40			9	11	7.5	521314	
40	30	M8	20	150	6	20	5.5	521181
	40			10	20	7.5	521657	
	20	M10	25	160	4	20	3	521450
	28			6	20	5.5	521401	
	35			8	20	6.5	521452	
	40			10	20	7.5	521454	
45	11	20	9	521456				
50	25	M10	25	300	6	25	4.5	521580
	35			8	25	7	521581	
	45			11	25	9	521582	
60	25	M10	25	400	5	30	4.5	521601
	36			8	30	7	521603	
	45			11	30	9	521641	
70	35	M10	25	450	8	35	6.5	521705
	50			11	35	11	521710	
	50			14	35	15	521711	
	70			14	35	15	521711	
80	40	M12	28	600	9	40	7	521658
	30			45	950	7	40	5
	30	M14	35	950	7	40	5	521840
	40			9	40	7	521841	
	70			17	40	15	521842	
	80			19	40	17	521843	
100	40	M16	47	1100	8	60	7	521908
	55			12	60	10	521909	
	80			19	60	17	521910	

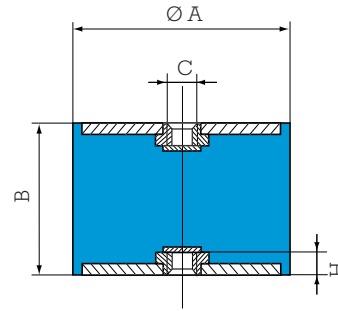
* The shear characteristics are measured under Axial Load.

** See VIBRACHOC elastomer range: ref. E3RP (pages 119-120).

COMBINATION FIXING



THREADED HOLE FIXING



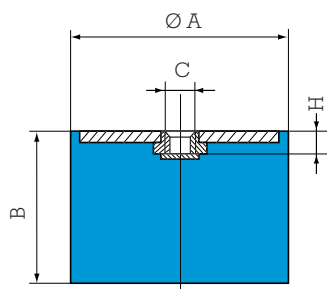
Ø A mm	B mm	C	G mm	H mm	Compression		Shear*		Ref.	
					Max. load daN	Deflect. mm	Max. load daN	Deflect. mm		
16	10	M4	10	2	20	1.5	2.5	1.5	520053 520054	
	15				3	2.5				
	10	M5	12	3	20	1.5	2.5	1.5	520010 520011 520012 520013	
	15				3	2.5				2
	20				4	2.5				4
25	5	2	5							
20	15	M6	16.5	4	35	2.5	5	2.5	520015 520016 520017 520018	
	20				4.5	5				5
	25				5.5	4.5				4.5
	30				7	4.5				4.5
	25				7	4.5				4.5
25.5	15	M6	18	4	60	2.5	8	8.5	520052 520055 520057	
	20				3.5	8				4
	30				7.5	8				6
	22	M8	20	6	50	3.5	8	4	520021 520022 520023 520024	
	25				5	8				4.5
	30				7.5	8				6
	30				7.5	8				6
	40				10	6				6
30	15	M8	25	6	90	3	11	2.5	520025 520026 520027 520028	
	22				4.5	11				4
	30				7.5	11				6
	30				7.5	11				6
	40				9	11				7.5
40	30	M8	20	6	150	4.5	20	5.5	520056 520058	
	40				10	20				7.5
	20	M10	25	8	160	4	20	3	520029 520030 520031 520032 520033	
	28				5	20				5.5
	35				7.5	20				6.5
	40				10	20				7.5
	45				11	20				9
50	35	M10	25	8	250	8	25	7	520035 520036	
	45				11	25				9
60	36	M10	25	8	300	8	30	7	520038 520039	
	45				10	30				9
70	35	M10	25	9	450	7.5	35	6.5	520040 520041 520042	
	50				10	35				11
	70				14	35				15
80	40	M12	28	10	600	8	40	7	520059	
	70				8	40				7
	40	M14	35	12	600	8	40	7	520044 520045 520046	
	70				17	40				15
	80				19	40				17
100	40	M16	47	14	1100	8	60	7	520100 520101 520102 520103	
	55				12	60				10
	80				12	60				17
	80				12	60				17
	100				23	60				20

Ø 16 mounts with threaded holes are fitted with RAPID nuts. Maximum torque 1.8 m.N.

Ø A mm	B mm	C	H mm	Compression		Shear*		Ref.	
				Max. load daN	Deflect. mm	Max. load daN	Deflect. mm		
16	10	M4	2.5	20	1.5	2.5	1.5	520550 520551	
	15			3	2.5				2
	10	M5	3	20	1.5	2.5	1.5	520500 520501 520502 520503	
	15			3	2.5				2
	20			4	2.5				4
25	5	2	5						
20	15	M6	4	35	2.5	5	2.5	520505 520506 520507 520508	
	20			4.5	5				3.5
	25			5.5	4.5				4.5
	30			7	4.5				4.5
	25			7	4.5				4.5
25.5	20	M6	4	50	3	8	4	520554 520555	
	30			7.5	8				6
	22	M8	6	50	3	8	4	520511 520512 520513 520514	
	25			4.5	8				4.5
	30			7.5	8				6
	30			7.5	8				6
	40			10	6				6
30	22	M8	6	80	4	11	4	520516 520517 520518	
	30			7.5	11				6
	40			9	11				7.5
40	30	M8	6	150	4.5	20	5.5	520552 520553	
	40			10	20				7.5
	28			M10	8				150
35	7	20	6.5						
40	10	20	7.5						
45	11	20	9						
50	35	M10	8	250	7	25	7	520525 520526	
	45			10	25				9
60	36	M10	8	300	7	30	7	520528 520529	
	45			9	30				9
	35			M10	9				450
50	9	35	11						
70	14	35	15						
80	40	M12	10	600	7	40	7.5	520556	
	70			7	40				7
	40	M14	12	600	7	40	7	520534 520535 520536	
	70			17	40				15
80	19	40	17						
100	40	M16	14	1110	8	60	7	520541 520542 520545 520546 520543 520547	
	55			12	60				10
	60			8	180				10
	75			10	140				12
	80			19	60				17
	100			23	60				20

See current price list for availability of items. 1 kg = 1 daN
* Shear characteristics are measured under axial load.

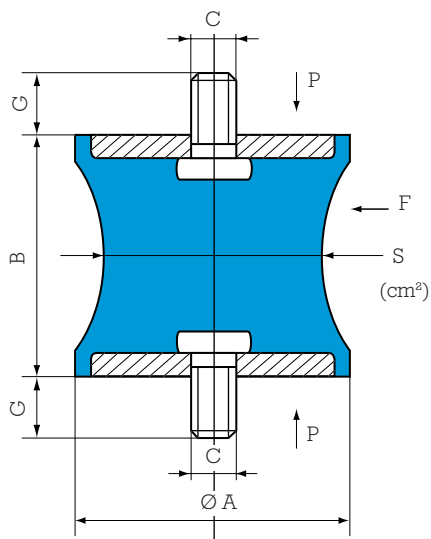
ONE THREADED HOLE



New!

Ø A mm	B mm	C	H mm	Compression		Ref.
				Max load daN	Deflect. mm	
16	10 15	M4	2.5	20	2	511152 511153
				20	3	
20	15	M6	4	35	4	511154
25.5	15 20 30	M6	4	60	3.5	511164 511162 511163
				55	5.5	
				50	8	
30	22	M8	6	80	6	511156

DIABOLO MOUNTS



Ø A mm	B mm	C	G mm	S cm ²	Compression		Shear*		Ref.
					Max Load daN	Deflec- tion mm	Max Load daN	Deflec- tion mm	
12.5	14	M5	10	0.3	3	1.4	0.5	1.2	521300
20	19	M6	16.5	1.6	12	2.5	3	5	521201
40	28	M10	25	3.1	30	5	2.5	4.5	521403
57	44	M8	20	5	40	5	7	5	521571
57	44	M8	20	9.5	75	5	12	6	521572
60	60	M10	25	19.5	150	8	30	10	521602
80	70	M14	35	38.5	300	9.5	55	9.5	521801
95	76	M16	45	50	400	9.5	70	8	521951

See current price list for availability of items.

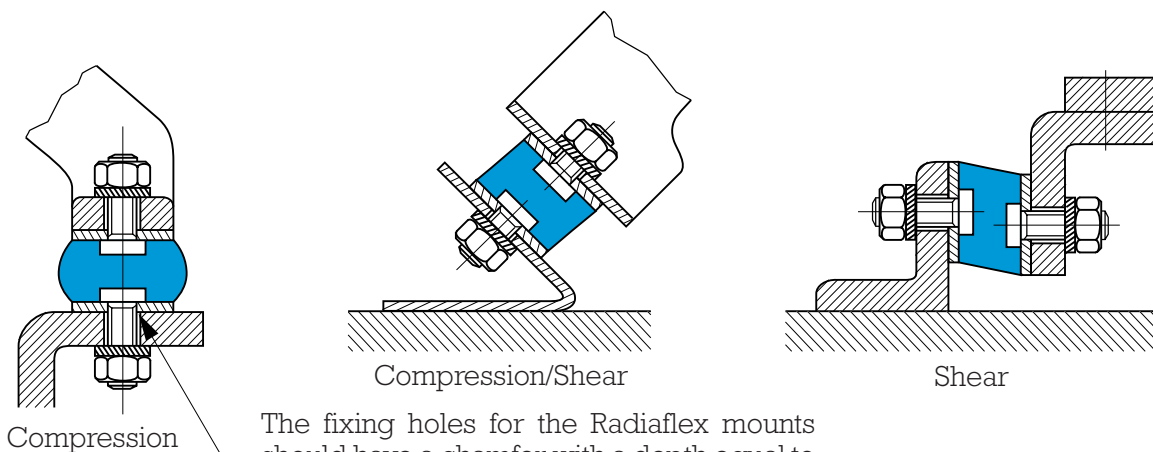
1 kg ≈ 1 daN

* Shear characteristics* are measured under axial load.

Also available with Ø 30 locators on each end, 3 mm thick allow M14 threaded holes:

Ø A mm	B mm	C	Depth of thread mm	S cm ²	Compression		Shear*		Ref.
					Max Load daN	Deflec- tion mm	Max Load daN	Deflec- tion mm	
80	60	M14	15.5	38.5	250	5	70	8	521802

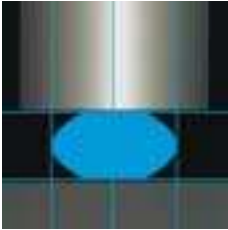
ASSEMBLY



Compression

The fixing holes for the Radiaflex mounts should have a chamfer with a depth equal to the pitch of the thread.

Ex. 521401: M10 x 150 chamfer = 1.5 mm
521951: M16 x 200 chamfer = 2 mm



PAULSTRADYN®



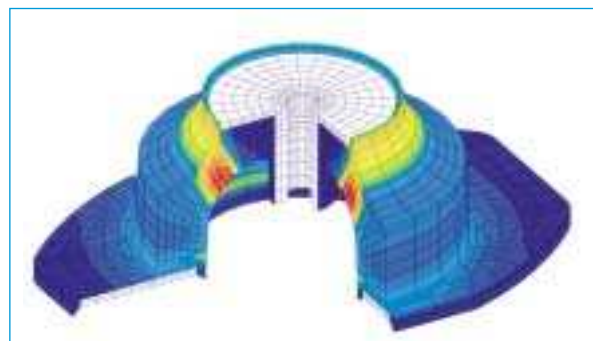
Natural frequency:

- axial 7 Hz
- radial 3 to 5.5 Hz

ADVANTAGES

- Better than 90% isolation at 1.500 rpm (25 Hz).
- Constant height over wide load range.
- Stabilised characteristics during Service Life.
- Simple to fit.
- 400 hours protection against salt spray*.
- Design.

* When mounted according to the recommendations given in the catalogue.



Finite element modeling

New formula SILTECH

- Low increase of stiffness with frequency
- Low creep

APPLICATIONS

Antivibration isolation for static equipment:

- rotating machinery such as fans, air-conditioning, pumps, compressors, generator sets.
- pipeworks, ceilings, transformers, electrical enclosures.

DIMENSIONS

Fig. 1

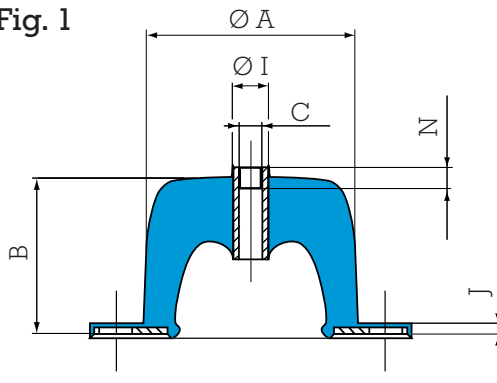
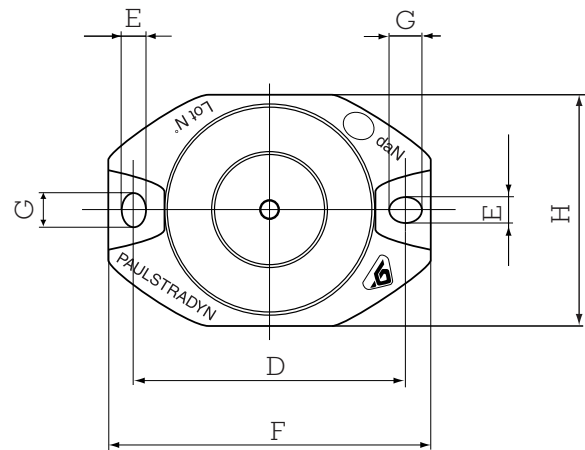
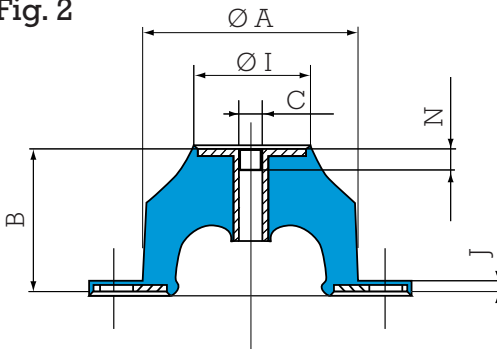


Fig. 2



Designation	Ref.	Nominal load NL (daN)	Fig.	Dimensions (mm)										
				Ø A	B*	C	D	E	F	G	H	Ø I	J	N
Paulstradyn 4 7 12	533701 533702 533703	4 7 12	1	40	40	M6	52	6.2	64	6.2	44	12	2.5	6
Paulstradyn 20 30 50	533704 533705 533706	20 30 50	2	60	40	M6	76	6.2	90	8.2	64	32	2.5	6
Paulstradyn 70 100 130	533707 533708 533709	70 100 130	2	80	40	M8	100	8.2	122	12.2	84	48	2.5	12
Paulstradyn 160 200 260	533710 533711 533712	160 200 260	2	100	40	M10	124	10.2	152	16.2	104	68	3	10
Paulstradyn 325 400 500	533713 533714 533715	325 400 500	2	150	40	M12	182	12.2	214	20.2	154	116	4.5	10
Paulstradyn 640 820 1050 1350	533716 533717 533718 533719	640 820 1050 1350	2	200	40	M16	240	14.2	280	24.2	204	159	5.5	20

* Height, unloaded 40 mm, under load 32 mm (see Technical Characteristics).

NL: Nominal static load with mounting under axial compression.

1 kg ≈ 1 daN

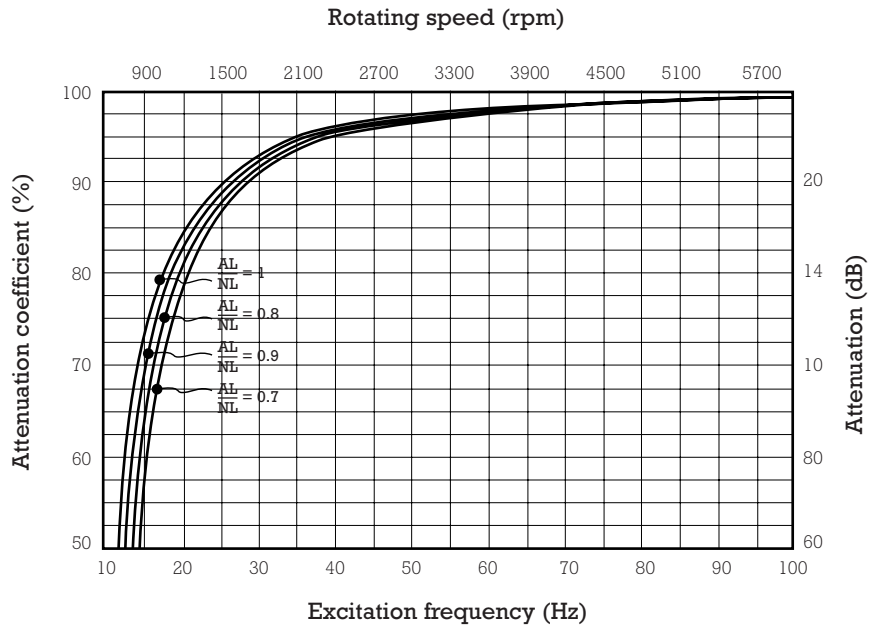
TECHNICAL CHARACTERISTICS

The vibration attenuation and height characteristics under nominal loads are **stabilised after one month under a load at 20°C**.

Common characteristics

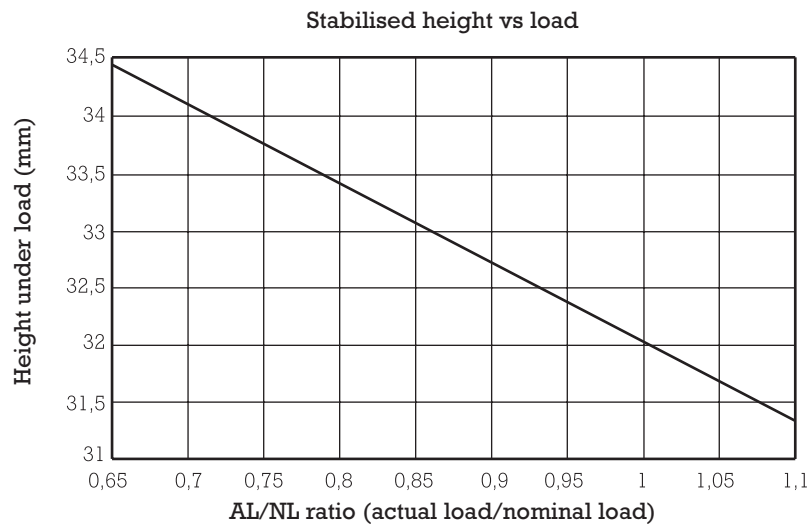
- Natural axial frequency: 7 Hz, with nominal load.
- Natural radial frequency: 3 to 5.5 Hz.
- Maximum displacement:
 - axial: 12 mm.
 - radial: ± 10 mm.

Vibration attenuation



$$\frac{AL}{NL} = \text{Ratio} \frac{\text{Actual load}}{\text{Nominal load}}$$

Height under load



Temperature

Operating temperature: - 20°C to + 70°C.

Other characteristics*

- Good dynamic performance at high frequency.
- Withstand fatigue and shocks.
- Reduced creep.

* Detailed Technical Characteristics can be sent on request. Ask us for details.

MOUNTING

Standard mounting

- ① machine base or foot
dimensions > $\varnothing M^*$
- ② supporting structure (floor)
dimensions > base of mounting F x H* (refer page 39)
- ③ screw $\varnothing C^{**}$
- ④ screw $\varnothing K$, a washer is required between the screw head and the PAULSTRADYN**
- ⑤ screw $\varnothing K$, a washer is required between the screw head and the PAULSTRADYN**³

Note: * to distribute the load and resist corrosion
** nuts and screws grade 4.6 minimum.

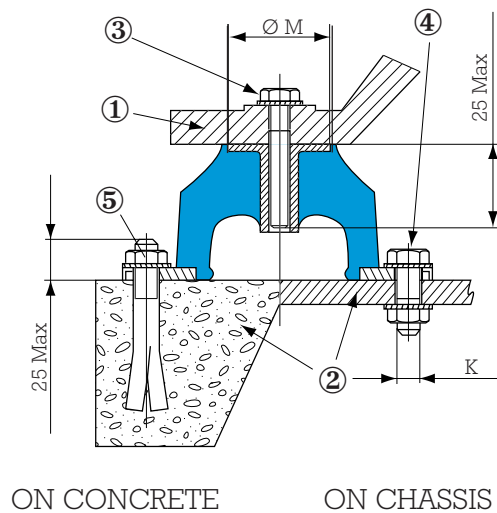


Fig. 1

Recommended torque

Diameter K (mm)	M6	M8	M10	M12
torque N.m.	2	5	12	20

Note: Do not paint the mountings after fitting.

Alternative mounting

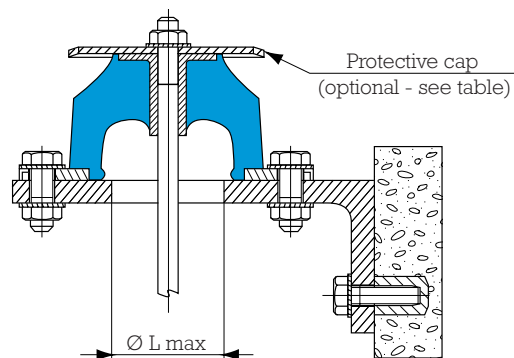
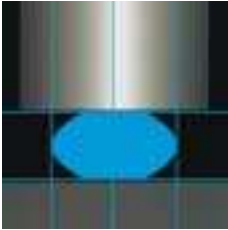


Fig. 2

Mounting and cap references

Paulstradyn references	Dimensions (mm)			Protective cap reference (optional)
	K Fig. 1	$\varnothing L$ max Fig. 2	$\varnothing M$ max Fig. 1	
533701, 533702, 533703	M5	27	14	342919
533704, 533705, 533706	M5	40	34	342356
533707, 533708, 533709	M6	46	50	342733
533710, 533711, 533712	M8	47	70	342734
533713, 533714, 533715	M10	99	118	342353
533716, 533717, 533718, 533719	M12	127	162	342354



STABIFLEX



(1) Natural frequency:
6 to 11 Hz

DESCRIPTION

The STABIFLEX mounting comprises a conical rubber section bonded between inner and outer metal parts.

- Centre axis with threaded hole.
- Square (4 holes) or diamond base (2 holes) with clearance hole.
- Bonded natural rubber, anti-slip bead.
- Cup to protect the rubber and distribute the load.

OPERATION

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

- Axial elasticity two or three times higher than radial elasticity.
- The rubber works in shear/compression.
- Progressive buffer against shocks or accidental overload.
- Anti-slip (may be placed directly on the ground).

Advantages:

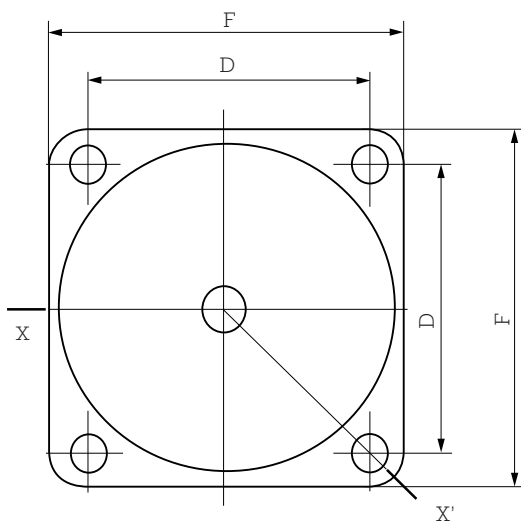
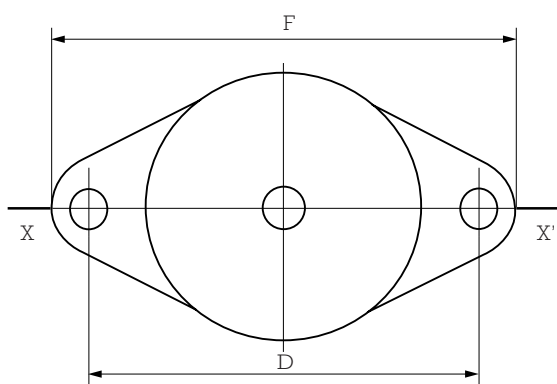
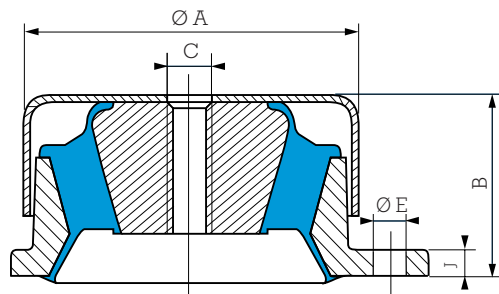
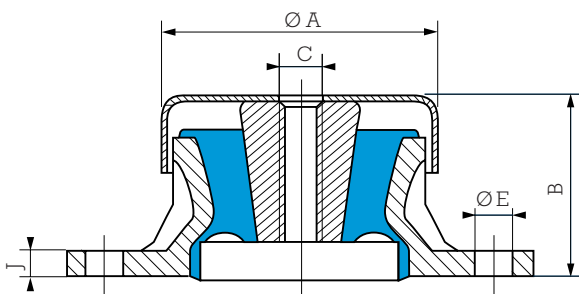
- The machine may be placed with its mountings directly on the ground.
- Speed of fixing.
- Easy movement of suspended machinery.
- Rubber protected against harmful liquids.
- Extensive range: 3 hardnesses of rubber for 5 existing types, allowing the mounting to be optimised as a function of the load and forcing frequency.
- May be used with an anti-rebound washer.

Recommendations:

- In order not to affect the performances of the mounting system, all external connections must be flexible.
- STABIFLEX mountings must be fitted so that the vibration input is in the axial direction.

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

DIMENSIONS



STABIFLEX - diamond base

STABIFLEX - square base

Type	Reference	Hardness	Ø A mm	B mm	C	D mm	E mm	F mm	J mm	Weight g
Diamond base	530603	45.60.75	69	41	M12	98	9	114	6	250
	530613	45.60.75	84	51	M12	115	11	137	7	450
Square base	530622	45.60.75	100	52	M12	90	11	114	7	1000
	530642	45.60	133	71	M16	114	13	144	9	2300
	530652*	45.60.75	133	71	M16	114	13	144	9	2700

* Part identified by the letter "R" (reinforced)

See current price list for availability of items.

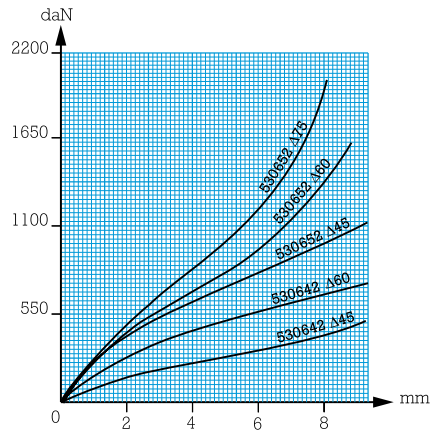
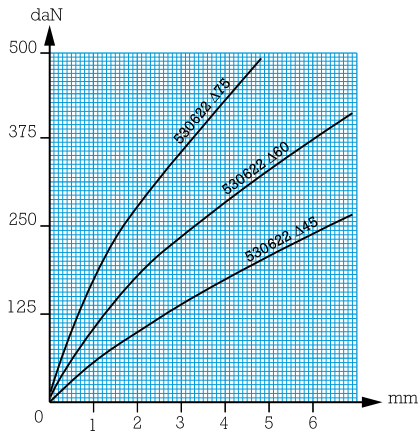
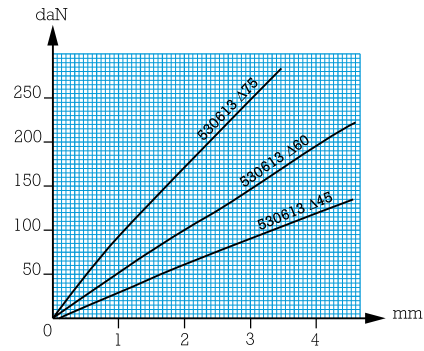
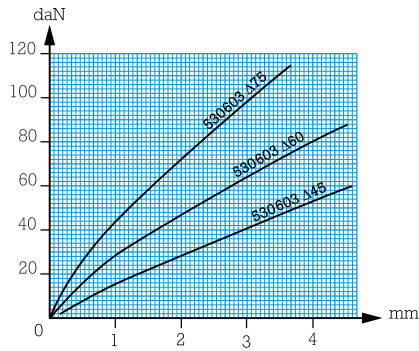
OPERATING CHARACTERISTICS

Nominal static load daN	Deflection mm	Reference	Hardness
10 - 42	3.5	530603	45
15 - 60	3	530603	60
20 - 93	3.5	530613	45
30 - 125	4	530603	75
40 - 165	3.5	530613	60
50 - 210	5	530622	45
65 - 260	3	530613	75

Nominal static load daN	Deflection mm	Reference	Hardness
65 - 275	4.5	530622	60
95 - 380	3.5	530622	75
110 - 450	8	530642	45
175 - 700	8	530642	60
250 - 1000	8	530652	45
325 - 1300	8	530652	60
450 - 1800	8	530652	75

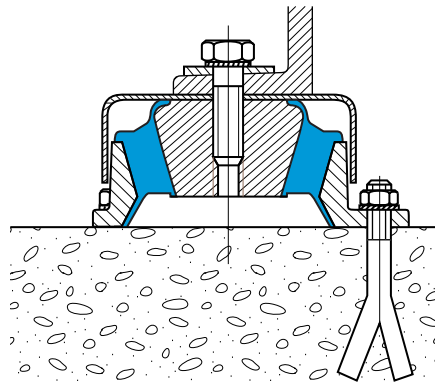
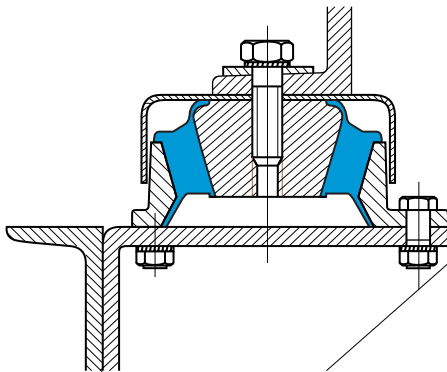
1 kg ≈ 1 daN

LOAD/DEFLECTION CURVES IN AXIAL COMPRESSION



ASSEMBLY

• Standard fixing methods

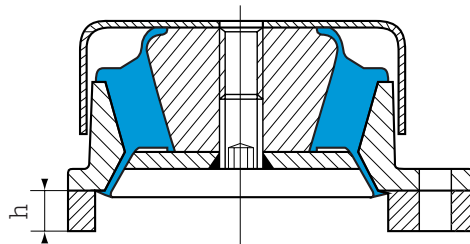


• Fixing with anti-rebound washer

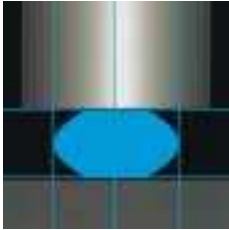
- The anti-rebound washer (not supplied) is fixed to the lower side of the centre axis.
- In this case, do not forget to fit a spacer.

Spacer thickness required:

530603	h: 2 mm
530613	h: 4 mm
530622	h: 7 mm
530642	h: 14 mm
530652	h: 14 mm



All our mountings are identified by conventional markings, either a paint spot or figures indicating the hardness: grey = hardness 45, green = hardness 60, blue = hardness 75.



STABIFIX[®]

STABIFIX[®] AR



(1) Natural frequency:
7 to 12 Hz

DESCRIPTION

The STABIFIX and STABIFIX AR (anti-rebound) are made of a rubber ring bonded to two metal shelves. The anti-rebound function is integrated with the STABIFIX AR version.

- Upper part with a smooth or a threaded hole (depending on version).
- Diamond base (2 holes) or square base (4 holes) for the lower fixing (2 holes).
- Natural rubber bonded.

OPERATION

The design of STABIFIX gives the following basic characteristics:

- Axial elasticity greater than radial elasticity.
- The rubber works in compression/shear.
- Progressive buffer against shocks or accidental overload.

Advantages:

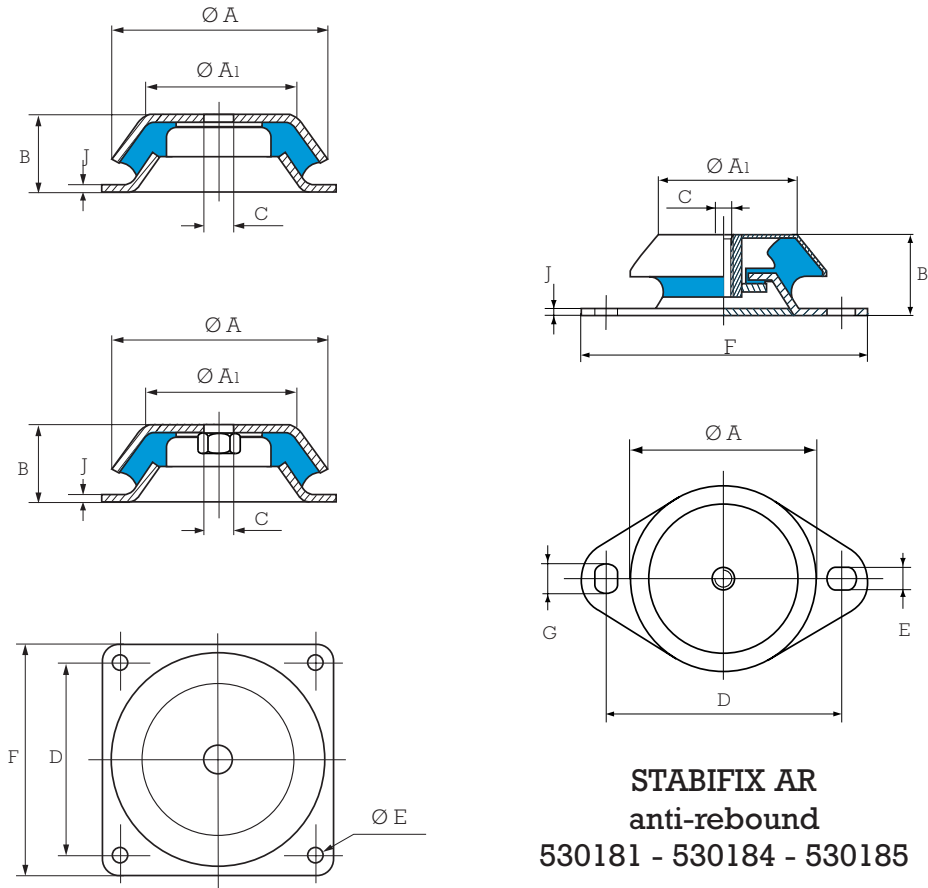
- Speed of fixing.
- Easy movement of suspended machinery.
- Rubber protected against harmful fluids.
- Extensive range: 3 hardnesses of rubber allow the mounting to be optimised as a function of the load and input frequency.

Recommendations:

- In order not to affect the performances of the mounting system, all external connections must be flexible.
- STABIFIX and STABIFIX AR (anti-rebound) mountings must be fitted so that the vibration input is in the axial direction.

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

DIMENSIONS



Type	Reference	Hardness	Ø A mm	Ø A1 mm	B mm	C	D mm	Ø E mm	F mm	J mm	G mm
Diamond base	530181	45.60	82	60	35	M10	110	11	135	3	15
	530184	45.60	110	87	42	M16	144	14	175	3	15
	530185	45.60	101	81	38	M16	144	14	175	3	18
Square base	530170	70	170	118	63	24.5	150	13	184	4	
	530175	70	170	118	63	M20	150	13	184	4	

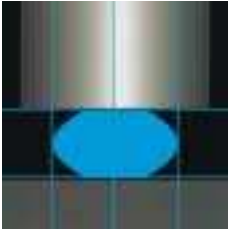
See current price list for availability of items.

OPERATING CHARACTERISTICS

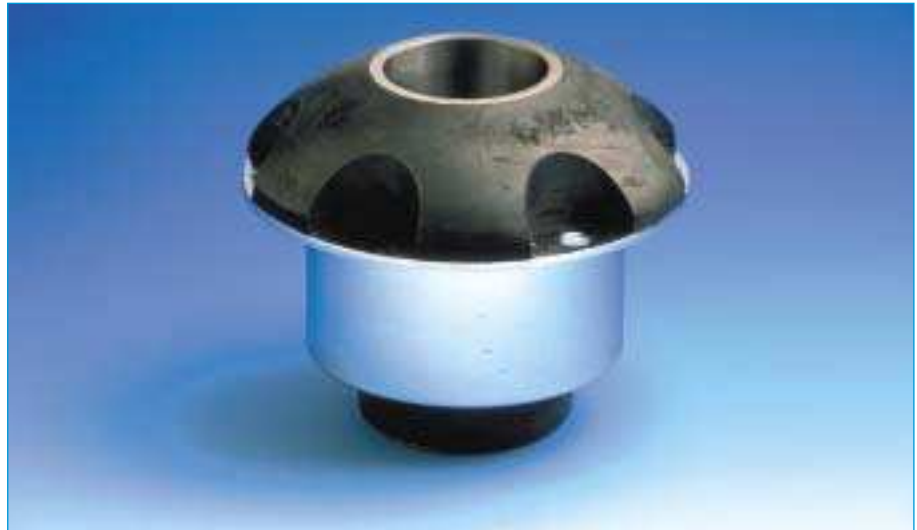
Nominal static load daN	Deflection mm	Reference	Hardness
30 - 75	3,5-5	530181	45
70 - 160	3,5-5	530181	60
110 - 220	3,5-5	530184	45
130 - 270	3,5-5	530185	45
180 - 380	3,5-5	530184	60
230 - 480	3,5-5	530185	60
1000 - 2000	5	530170	70
1000 - 2000	5	530175	70

1 kg ≈ 1 daN

All our mountings are identified by conventional marking indicating the hardness.



S.C. MOUNTING



(1) Natural frequency:
6 to 30 Hz

DESCRIPTION

The S.C. mounting comprises an annular section bonded between the inner tube and outer housing.
The outer housing has a mounting flange (4 different types).

OPERATION

The design of the S.C. mounting gives the following basic characteristics:

- Axial elasticity four times higher than radial elasticity.
- The rubber works in shear.
- Progressive buffer against shocks or accidental overload, provided that a large metal washer is used to bear against the rubber dome.
- Can be used as a fail safe assembly when fitted as in figure 1.

Advantages:

- Extensive range: 3 hardnesses of rubber for 20 existing types, allowing the mounting to be optimised as a function of the load and exciting frequency.

Recommendations:

- In order not to affect the performance of the mounting system, all external connections must be flexible.
- S.C. mountings must be fitted so that the vibration input is in the axial direction.

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

DIMENSIONS

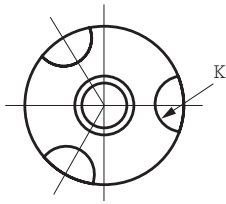
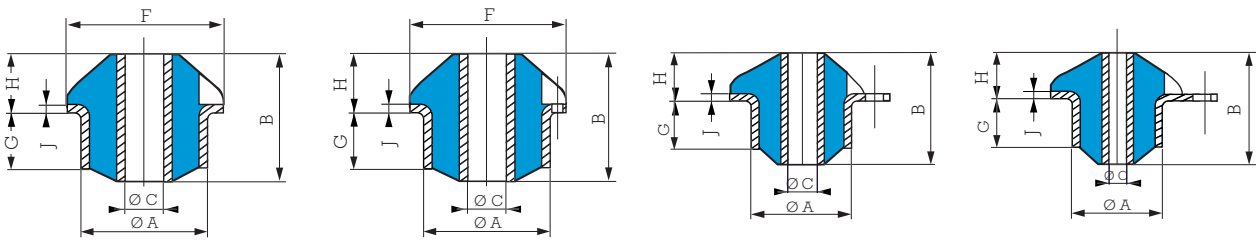


Fig. a

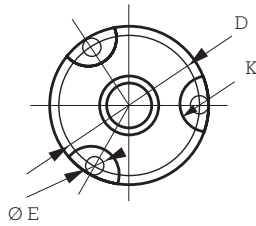


Fig. b

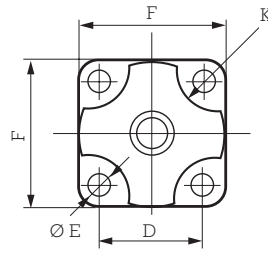


Fig. c

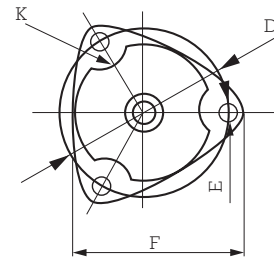


Fig. d

TYPE	Reference				Ø A mm	B mm	Ø C mm	D mm	E mm	F mm	G mm	H mm	J mm	K mm	Weight g
	With fixing holes	Without fixing holes													
S.C. 000	531201	Fig. c	--	--	20	11	6.2	19	3.2	25	3	7	1	4	8
S.C. 00	531301	Fig. c	--	--	26	28	8	26	5.2	36	12.5	11.5	1.5	12	40
S.C. 01	--	--	531401	Fig. a	37.5	40	12.1	--	--	48	18	18	2	8	110
S.C. 02	--	--	531402	Fig. a	37.5	51	12.1	--	--	48	24	18	2	8	130
S.C. 10	531216	Fig. d	--	--	49.1	47	12.2	69	8.2	72	20	18	2	12	190
S.C. 11	531611	Fig. d	--	--	49.1	60	12.2	69	8.2	72	31	18	2	12	290
S.C. 20	--	--	531701	Fig. a	55.7	55	18.2	--	--	70	27	19	3	10	370
S.C. 21	--	--	531702	Fig. a	55.7	70	18.2	--	--	70	39	19	3	18	480
S.C. 21	531240	Fig. d	--	--	57.2	70	18.2	86	10.5	90	39	19	3	18	500
S.C. 30	531259	Fig. b	--	--	65	75	20.2	78	8.5	90	29	28	3	18	560
S.C. 31	531261	Fig. d	--	--	66.5	93	20.2	95	8.5	107	47	28	3	18	780
S.C. 40	531714	Fig. d	--	--	76	90	22.2	100	8.5	112	42	28	3	18	880
S.C. 41	531327	Fig. d	--	--	76	110	22.2	100	8.5	112	49	28.5	3	18	960
S.C. 50	531939	Fig. d	--	--	87.5	100	40.2	114	8.5	127	47	33	3	20	1300
S.C. 51	531947	Fig. b	--	--	86	120	40.2	104	10.5	120	63	33	3	20	1500
S.C. 70 red.	531933	Fig. b	--	--	118	98	60.2	145	10.5	164	36	46	4	22	2200
S.C. 70	531932	Fig. b	--	--	118	140	60.2	145	10.5	164	66	46	4	22	3000
S.C. 71	531931	Fig. b	--	--	118	170	60.2	145	10.5	164	96	46	4	22	3800
S.C. 80	531940	Fig. b	--	--	170	167	80	204	12.2	230	95	53	5	30	7100
S.C. 81	531941	Fig. b	--	--	170	185	80	204	12.2	230	113	53	5	30	7700

See current price list for availability of items.

OPERATING CHARACTERISTICS

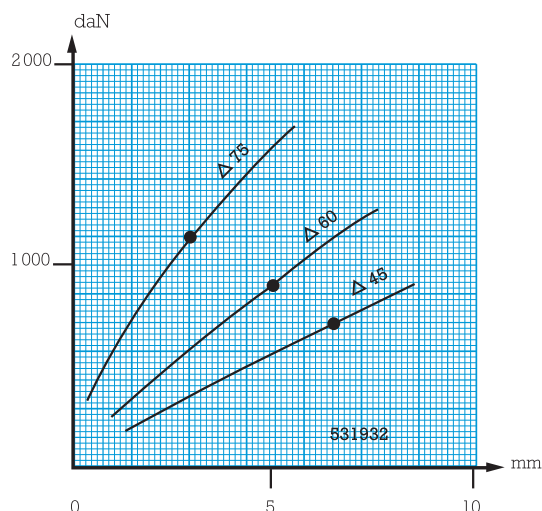
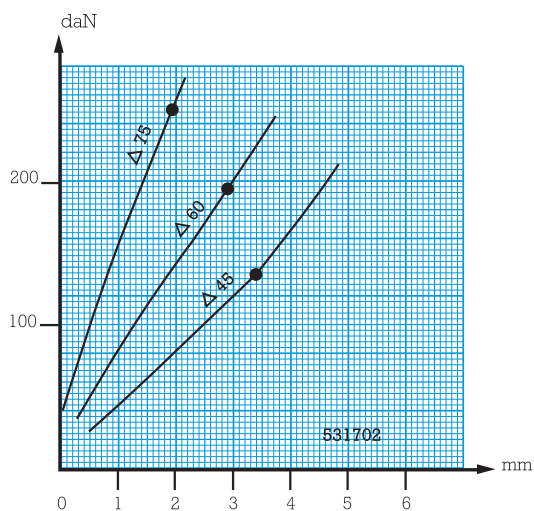
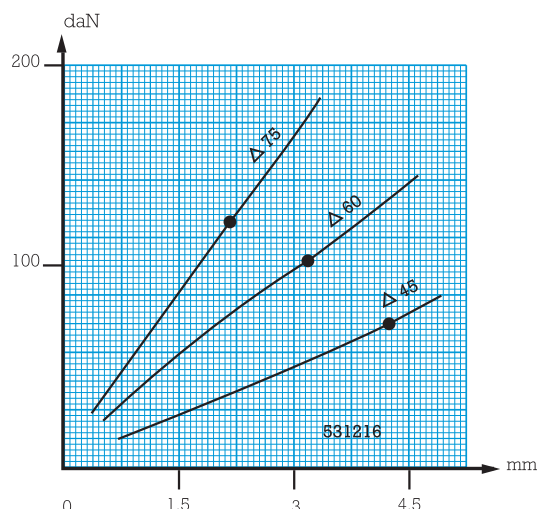
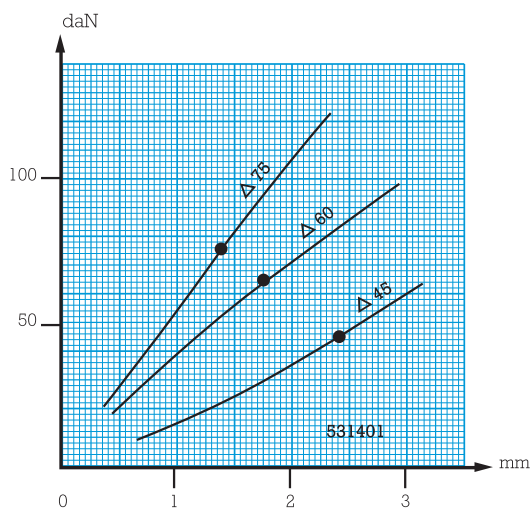
Nominal static load daN	Deflect. mm	Reference	Hard.
1-6	1	531201	45
2-8	0.8	531201	60
2-10	0.5	531201	75
5-20	1.5	531301	45
7-30	1.2	531301	60
10-40	0.8	531301	75
10-50	2.5	531401	45
15-65	1.8	531401	60
15-65	2.5	531402	45
15-70	4	531216	45
20-80	1.5	531401	75
20-85	1.8	531402	60
20-85	4	531611	45
25-100	3	531216	60
25-100	3.5	531701	45
25-110	1.5	531402	75
30-120	2	531216	75
30-120	3	531611	60
30-135	3.5	531240	45
30-135	3.5	531702	45

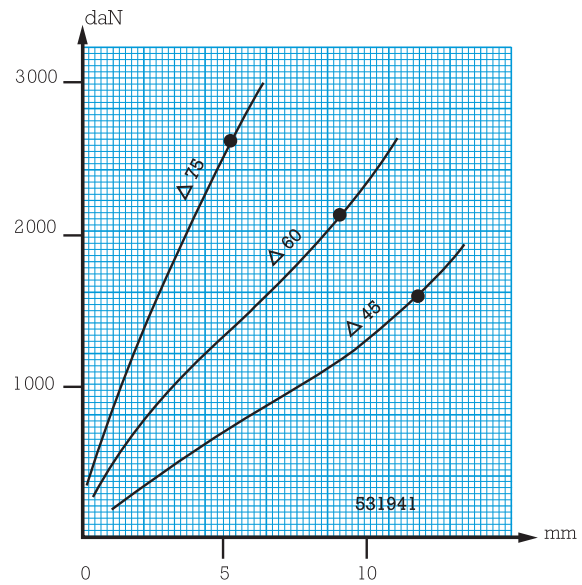
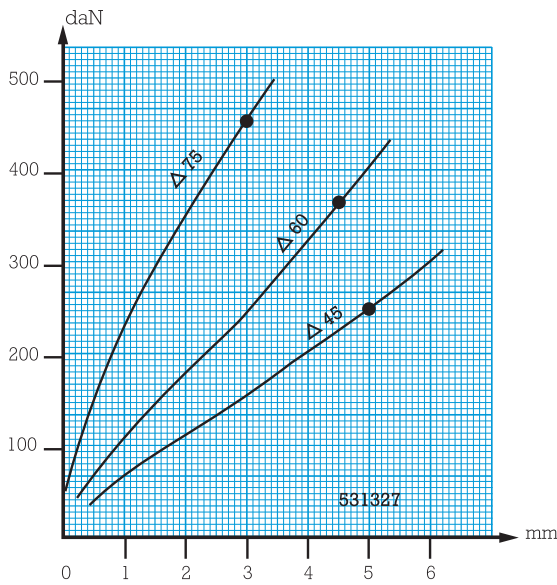
Nominal static load daN	Deflect. mm	Reference	Hard.
35-150	1.5	531611	75
35-150	3	531701	60
40-175	5	531259	45
45-180	2	531701	75
45-190	3	531240	60
45-190	3	531702	60
55-225	5	531714	45
60-240	3.5	531259	60
60-250	2	531240	75
60-250	2	531702	75
60-250	5	531261	45
60-250	5	531327	45
75-300	2	531259	75
80-320	4.5	531714	60
80-325	4.5	531939	45
85-350	3.5	531261	60
90-360	4.5	531327	60
95-380	3	531714	75
100-400	4.5	531947	45
105-420	2	531261	75

Nominal static load daN	Deflect. mm	Reference	Hard.
110-440	3.5	531939	60
110-450	3	531327	75
110-450	6.5	531933	45
135-550	2.5	531939	75
135-550	3.5	531947	60
150-600	5	531933	60
165-670	2.5	531947	75
175-700	6.5	531932	45
210-850	6.5	531931	45
225-900	5	531932	60
275-1100	3	531932	75
275-1100	5	531931	60
310-1250	11	531940	45
350-1400	3	531931	75
400-1600	11	531941	45
450-1800	8.5	531940	60
525-2100	8.5	531941	60
575-2300	5	531940	75
650-2600	5	531941	75

1 kg ≈ 1 daN

LOAD/DEFLECTION CURVES IN AXIAL COMPRESSION





ASSEMBLY

• Standard fixing

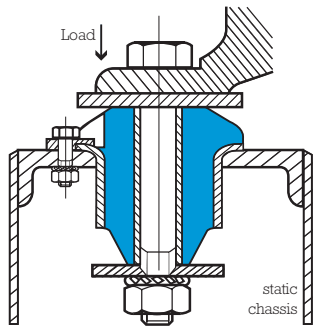


Fig. 1 - Fixing between the equipment and a metallic chassis (failsafe in mobile applications).

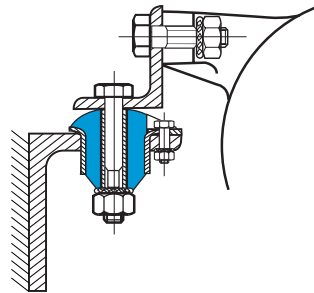


Fig. 2 - Fixing between two brackets onto a vertical surface (non failsafe).

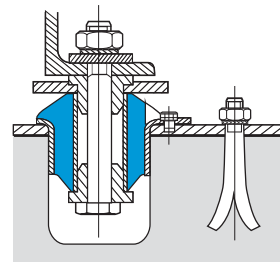


Fig. 3 - Fixing between the equipment and concrete (using locating rings).

• Reversed fixing

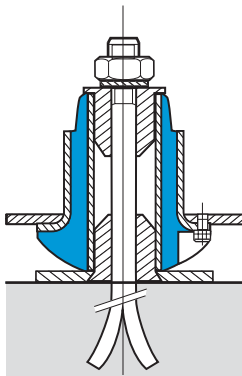


Fig. 4

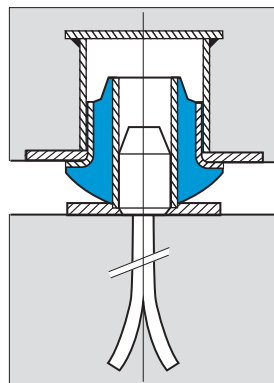


Fig. 5 - Fixing between inertia base and foundation. The inertia base increases the suspended mass and thus reduces the amplitudes of the vibrations as well as lowering the natural frequency.

• Mounting in tandem

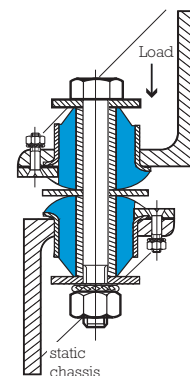
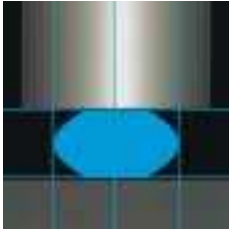


Fig. 6 - Two mountings fixed face to face. Provides twice the deflection under the same load.



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

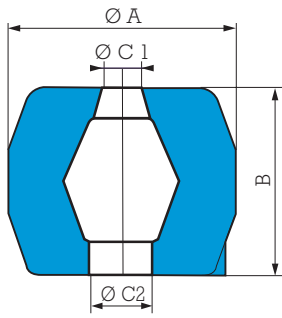


Fig. 1

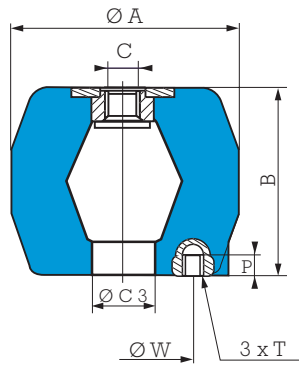


Fig. 2

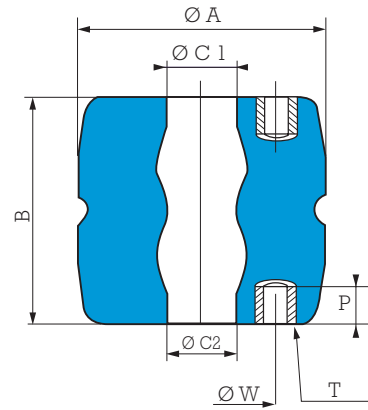


Fig. 3

Ø A mm	B mm	Evidgom reference				C	Ø C ₁ mm	Ø C ₂ mm	Ø C ₃ mm	Ø W mm	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

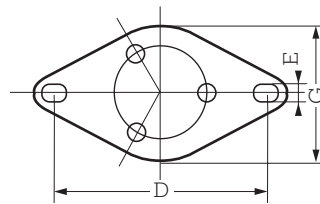
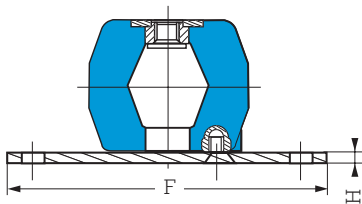


Fig. a

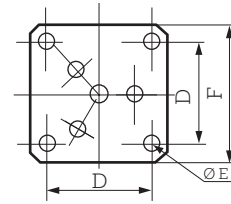


Fig. b

Evidgom reference	Fixing pack reference	Fig.	D mm	Ø 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

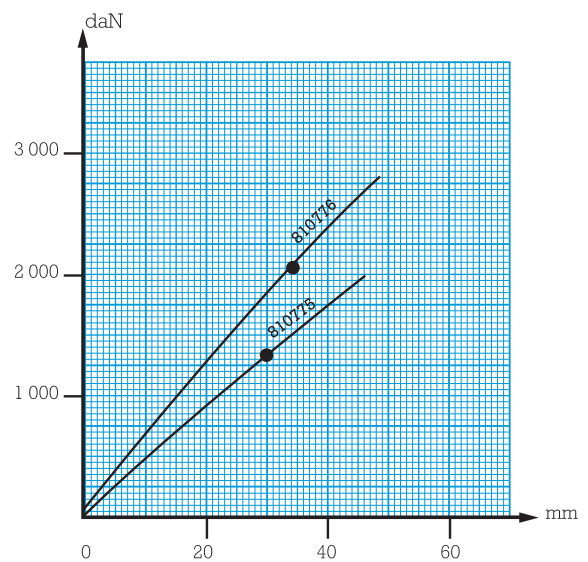
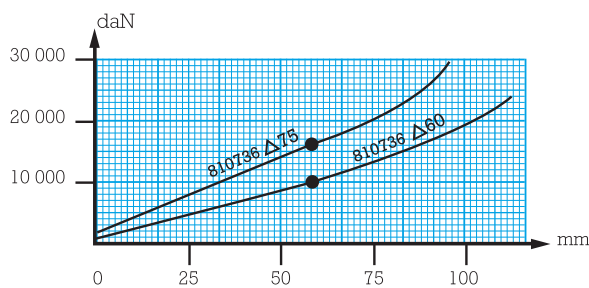
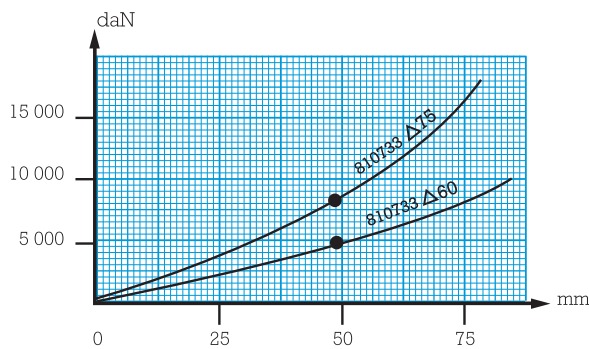
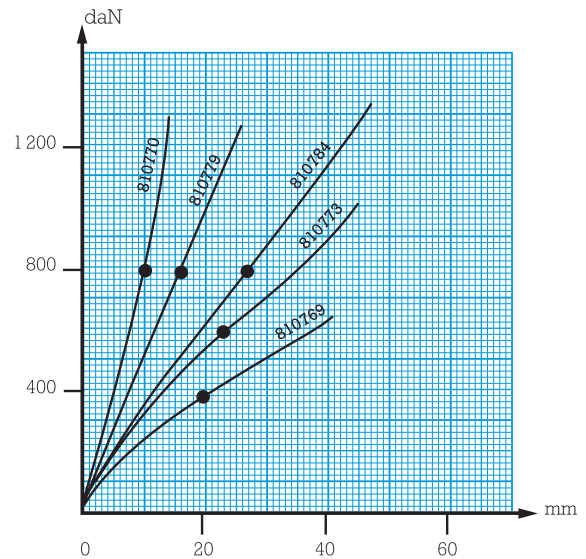
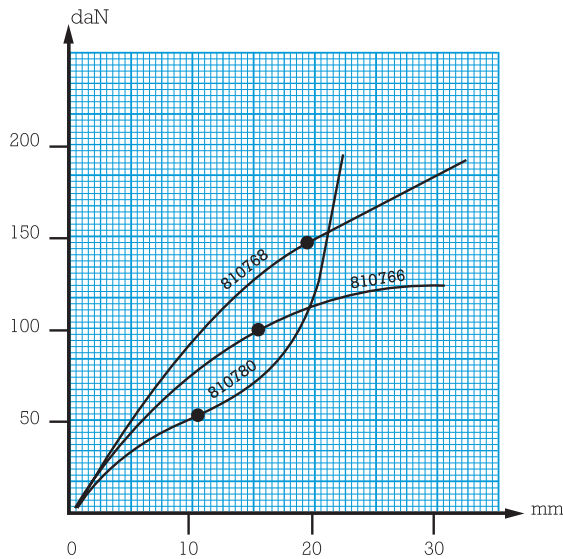
Nominal static load daN	Deflect. $\pm 15\%$ mm	\varnothing A mm under nominal charge	Height B mm	Reference
5-15	5	40	25	810002
10-40	11	50	55	810003
20-80	14	63	80	810005
15-60	10	80	40	810780
25-100	15	105	70	810766
35-150	18	124	90	810768
100-400	20	136	90	810769
100-390	23	134	110	810012
150-600	24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

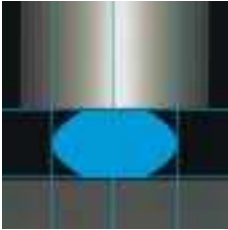
Nominal static load daN	Deflect. $\pm 15\%$ mm	\varnothing A mm under nominal charge	Height B mm	Reference
200-800	26	170	140	810784
200-800	16	175	90	810779
200-800	10	166	56	810770
325-1300	30	175	150	810775
500-2000	35	240	180	810776
1250-5000	50	345	230	810733Δ60
2000-8000	50	345	230	810733Δ75
2250-9000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

See current price list for availability of items.

1 kg \approx 1 daN

LOAD/DEFLECTION CURVES IN AXIAL COMPRESSION





S.T.C.



(1) Natural frequency:
10 to 25 Hz

DESCRIPTION

The S.T.C. mounting comprises a rubber ring bonded to a central tube.

- Inner tube: mild steel.
- Bonded rubber in the form of a ring at the top with a collar below which is used for fixing.

OPERATION

The design of the S.T.C. mounting gives the following basic characteristics:

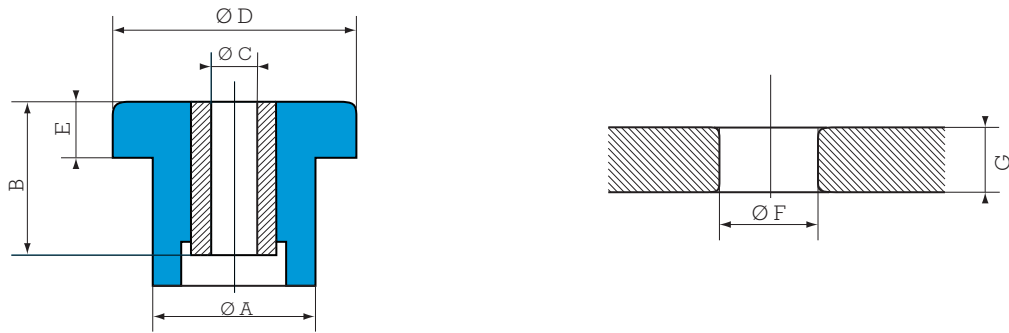
- The rubber works in compression.
- Anti-rebound.
- Can be used as safety mounting.

Advantages:

- Simple to fix.
- Simple and economical.
- Extensive range of loads.

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

DIMENSIONS



Reference	Ø A mm	B mm	Ø C mm	Ø D mm	E mm	Ø F mm	G mm
539887	20.6	17.5	10	27.7	5.6	20.6	8
539190	31.5	25.4	13	44.5	10.4	31.5	10
539886	34.3	35	13	50.8	13.5	34.3	16
539191	41.1	44.5	16	63.5	15.7	41.1	19
* 539920	38	23	16	64	16	38.5	19
539951	56.6	50.8	20	95	25.4	56	20

* This S.T.C. is mounted in pairs: see Fig. 2.

See current price list for availability of items.

OPERATING CHARACTERISTICS

Reference	Hardness	Nominal static load daN	Deflection mm
539887	45	8-35	0.7
	60	10-50	0.7
539190	45	15-75	1.2
	60	25-100	1.2
539886	60	35-150	1.2
	75	80-330	1.2

Reference	Hardness	Nominal static load daN	Deflection mm
539191	60	60-250	2
	75	125-500	2
539920	45	100-400	2
	75	250-1000	1
539951	45	175-700	3
	65	250-1000	3

1 kg ≈ 1 daN

ASSEMBLY

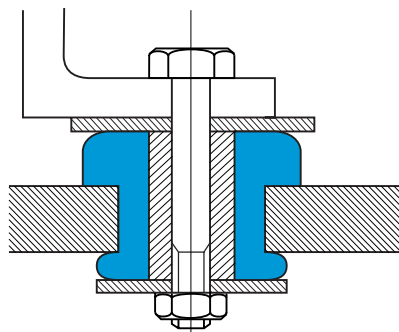


Fig. 1

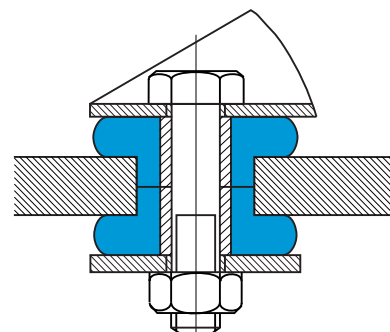
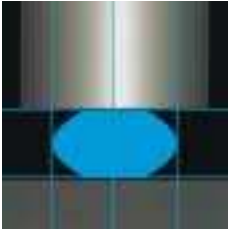


Fig. 2 (For 539920)



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:

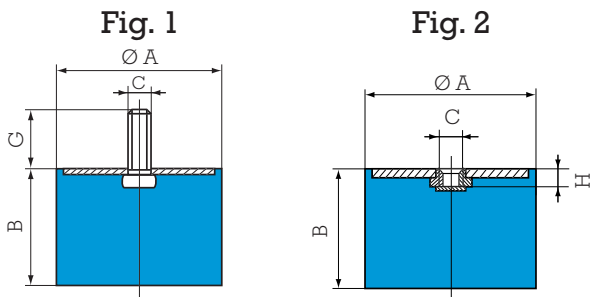
- By comparison with rigid stops, PAULSTRA elastic stops are quiet and avoid hammering and deterioration of equipment.

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.

DIMENSIONS AND OPERATING CHARACTERISTICS

CYLINDRICAL STOPS



New range RADIAPLEX

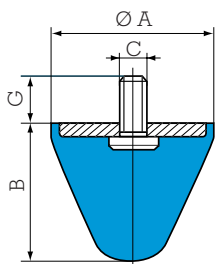
Ø A mm	B mm	C	G mm	Fig.	H mm	Max. load daN	Deflect mm	Energy Joules	Reference					
12.5	10	M5	10	1	-	12	2	0.12	511110					
	13.5					2.5	0.13	511128						
	15					3	0.16	511115						
	20					3.5	0.14	511125						
16	10	M4	-	2	2.5	20	2	0.20	511150					
	15					3	0.30	511151						
	10					2	0.20	511152						
	15					3	0.30	511153						
16	10	M5	12	1	-	20	2	0.20	511292					
	15					3	0.30	511294						
	20					4	0.30	511296						
	25					5	0.30	511298						
20	15	M6	-	2	4	30	4	0.70	511154					
	8.5					40	1.5	0.30	511200					
	15					35	4	0.70	511215					
	20					30	5	0.70	511220					
20	25	M6	16.5	1	-	30	5.5	0.80	511225					
	30					7	0.80	511230						
	25.5					10	M6	18	1	-	80	2	0.80	511158
						15					1	1.00	511155	
20		1	1.20	511159										
30		1	2.00	511160										
25.5	15	M6	-	2	4	60	3.5	1.00	511164					
	20					4	1.20	511162						
	30					4	2.00	511163						

Ø A mm	B mm	C	G mm	Fig.	H mm	Charge maxi daN	Deflect. mm	Energy Joules	Reference
25.5	10	M8	20	1	-	80	2	0.80	511265
	15					3.5	1.00	511270	
	19					4.5	1.20	511251	
	22					5.5	1.30	511275	
	25					6	1.50	511280	
	30					8	2.00	511285	
	40					10	2.50	511290	
30	22	M8	-	2	6	80	6	2.40	511156
	15	M8	25	1	-	90	3.5	1.50	511308
	22					6	2.40	511310	
	30					7	2.80	511312	
40	9					2.70	511314		
40	30	M8	20	1	-	120	7	4.60	511157
	40					120	10	6.00	511161
	20	M10	25	1	-	160	5	4.00	511450
	25					6	4.50	511401	
	35					8	4.80	511452	
40	10					6.00	511454		
45	11					6.60	511456		
50	25	M10	25	1	-	300	6	9.00	511525
	35					9	11.20	511535	
	45					11	10.00	511545	
60	25	M10	25	1	-	400	6	12.00	511625
	36					9	13.50	511635	
	45					11	13.70	511645	
	35					M10	25	1	-
50	12	21.00	511750						
70	14	21.00	511770						
80	25	M14	45	1	-	1100	6	33.00	513801
	30					8	38.00	511830	
	35					10	30.00	511840	
	70					17	42.50	511870	
	80					19	43.00	511880	

See current price list for availability of items.

1 kg ≈ 1 daN

CONICAL PROGRESSIVE STOPS

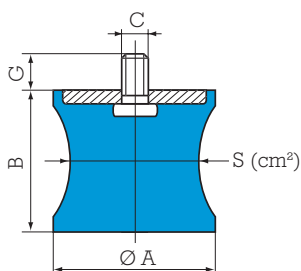


Reference	Ø A mm	B mm	C	G mm	Repetitive shocks			Exceptional shock Energy joules	Wght g
					Energy Joules	Deflect. mm	Reaction daN		
512251	25.5	19	M8	20	3	8	100	9	20
512307	30	30	M8	25	6	15	140	18	37
512301	30	30	M6	13.5	6	15	140	18	30
512515	50	50	M10	25	30	25	340	90	85
512501	50	50	M8	20	30	25	340	90	75
512516	50	64	M10	25	40	32	370	120	150
512502	50	64	M8	35	40	32	370	120	150
512517	50	58	M10	25	37	28	400	110	130
512503	50	58	M8	15	37	28	400	110	120
512608	60	40	M10	25	27	18	550	70	140
512601	60	40	M14	62	27	18	550	70	200
512700	72	58	M10	25	50	26	550	150	290
512721	72	58	M12	30	50	26	550	150	300
512951	95	80	M16	45	120	37	1100	350	750

See current price list for availability of items.

1 kg ≈ 1 daN

DIABOLO STOPS



Reference	S cm²	Ø A mm	B mm	C	G mm	Max. instant. load daN	Deflect. mm	Max. static load daN	Deflect. mm	Energy Joules	Wght g
511571	5	57	42	M8	20	100	10	40	4	1	60
511572	9.5	57	42	M8	20	200	12	75	5.5	2	80
511601	19.5	60	57	M10	25	350	15	150	8	6	190
511801	38.5	80	65	M14	30	800	16	300	9.5	15	500
511951	50	95	70	M16	35	1000	18	400	9.5	20	790

See current price list for availability of items.

1 kg ≈ 1 daN

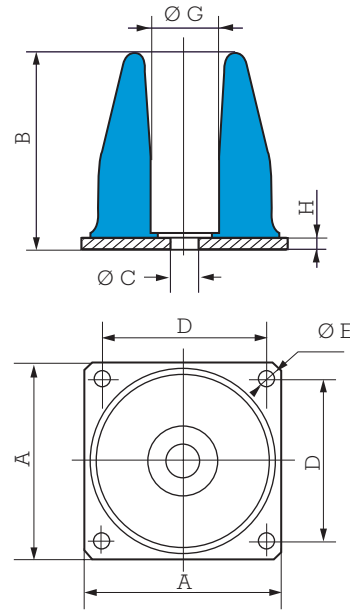
LEVAFLEX PROGRESSIVE STOPS

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

1 kg ≈ 1 daN



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

1 kg ≈ 1 daN

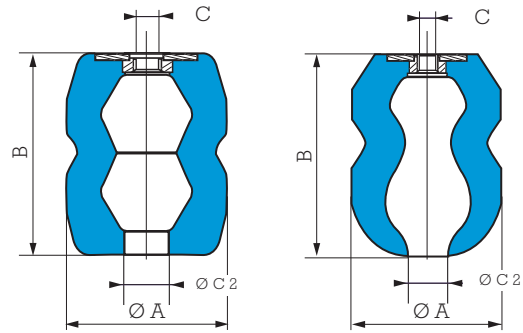


Fig. 1

Fig. 2

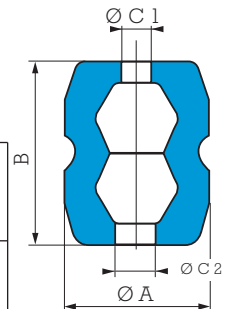


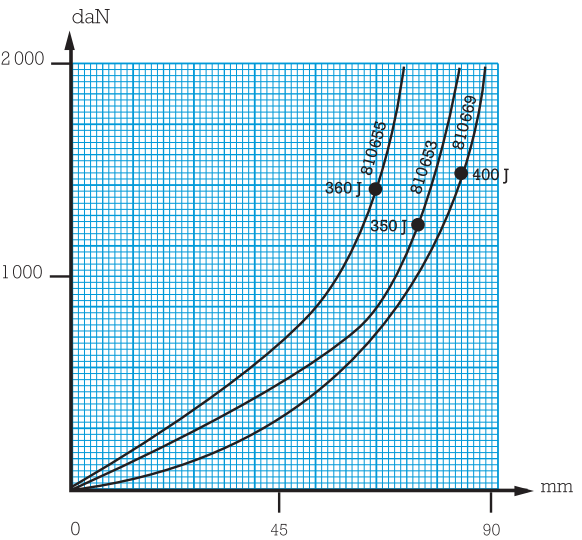
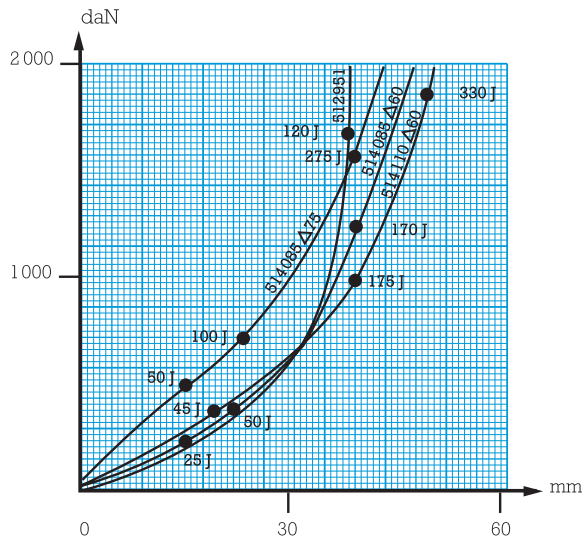
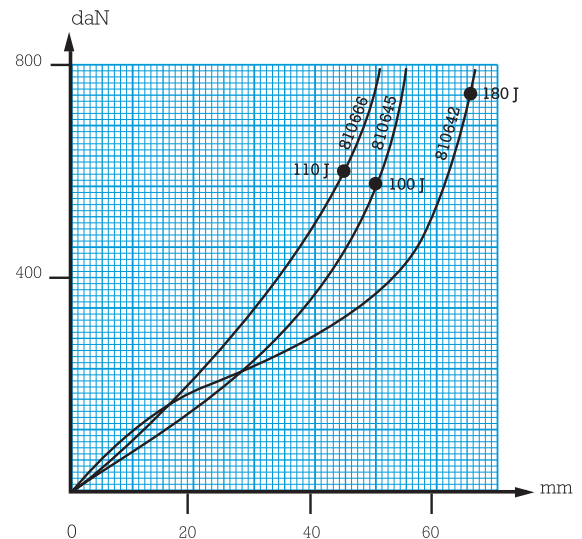
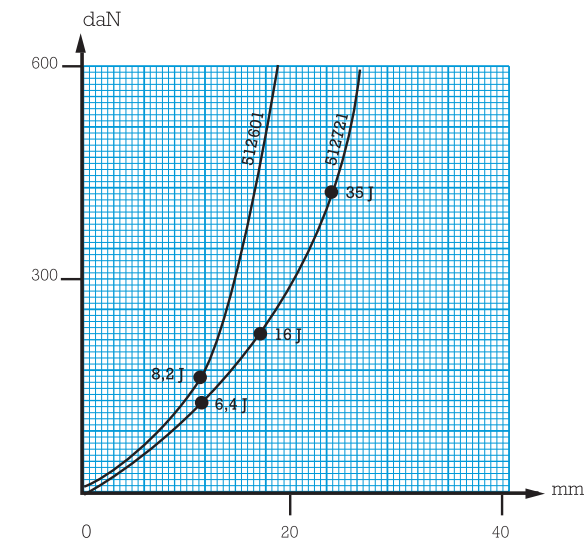
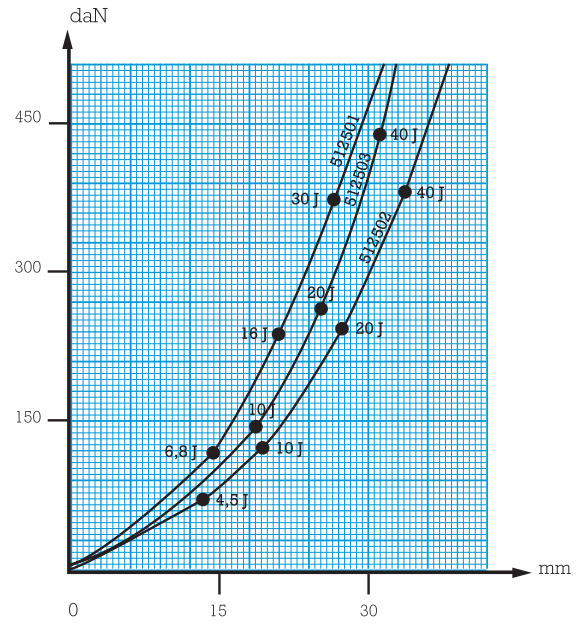
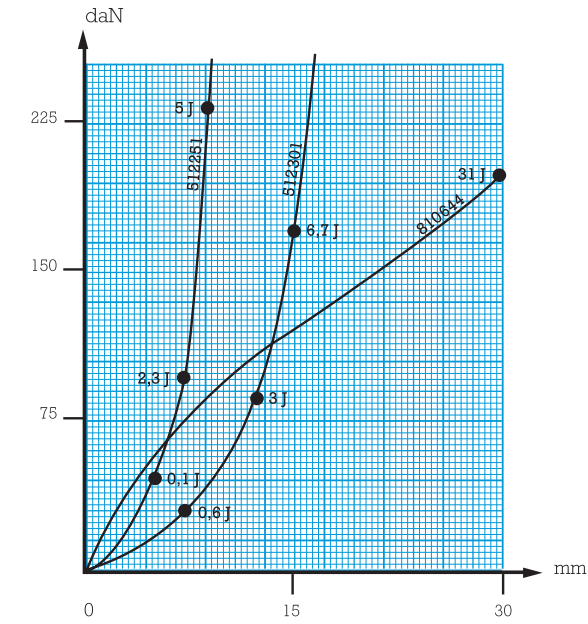
Fig. 3

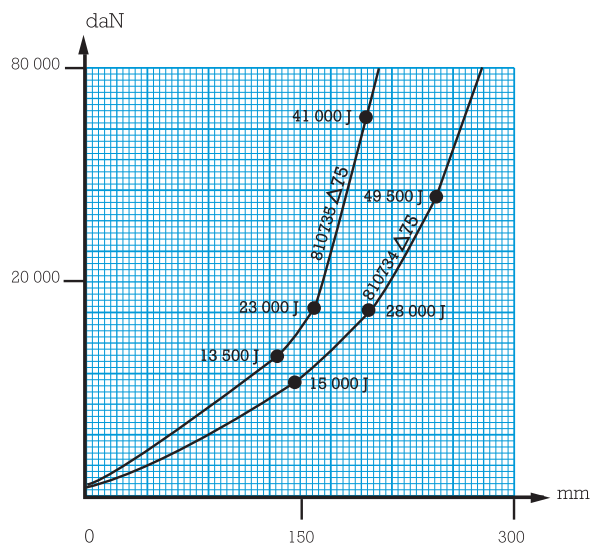
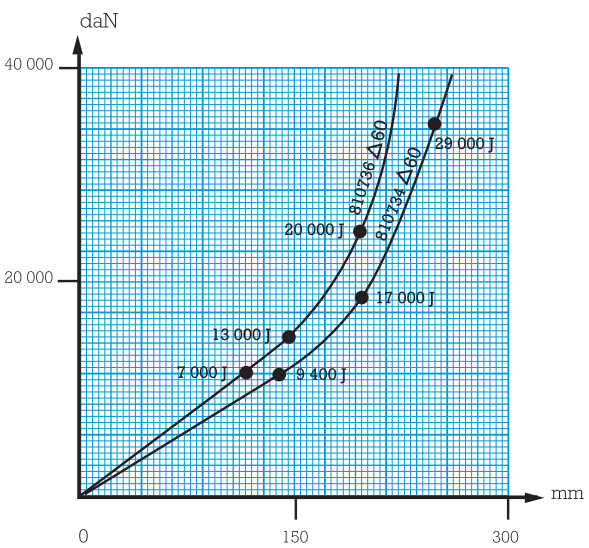
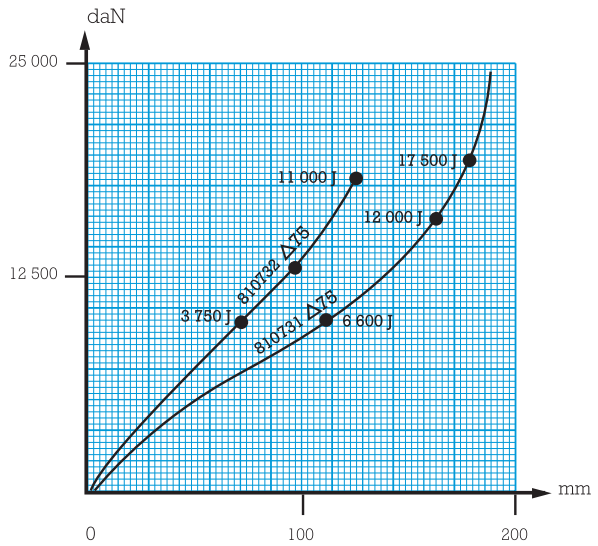
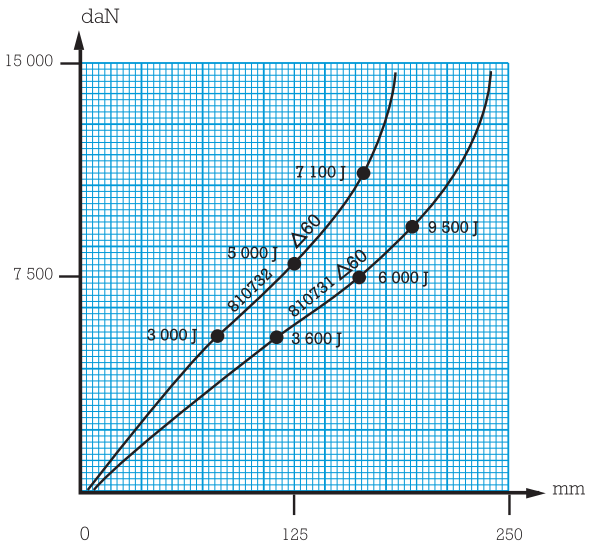
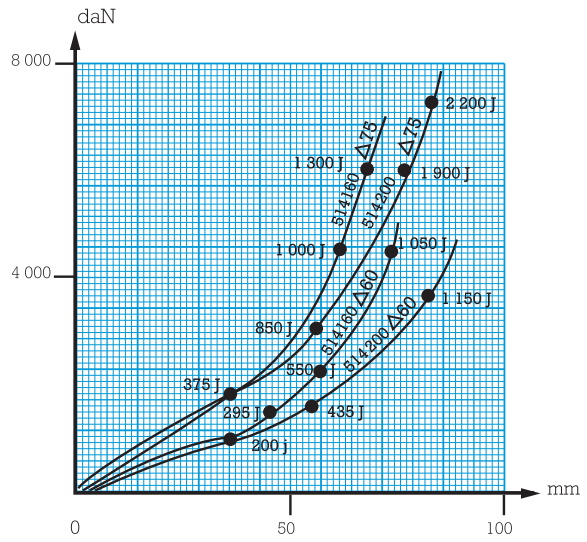
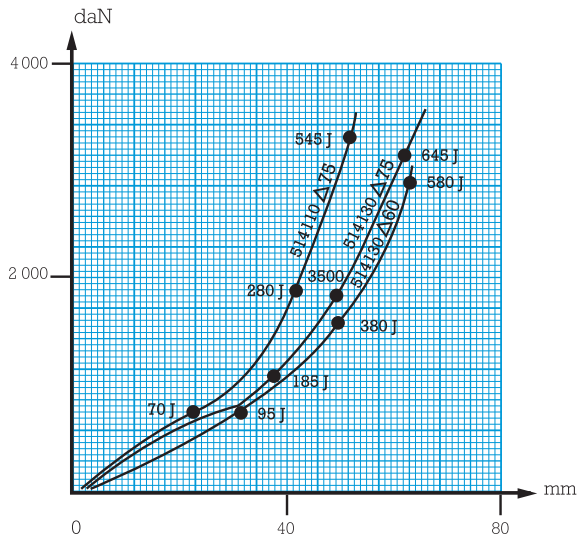
Stop reference	Fig.	All rubber Evidgom reference	Ø A mm	B mm	C	Ø C ₁ mm	Ø C ₂ mm	Ø D mm	Ø A under load mm
810642	1	810022	85	120	M16	20	30	--	114
810644	1	810004	55	55	M10	14	14	--	72
810645	2	810035	66	93	M16	20	14	--	100
810653	1	810023	100	130	M16	20	30	--	140
810655	1	810025	110	132	M16	20	30	--	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	8 X M24	85	85	196	445
810735	3	--	350	395	8 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

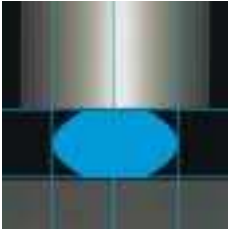
NOTE: The values are given for test conditions with an impact speed of 1 m/s. Consult us for speeds that are much higher.

DEFLECTION CURVES AND ENERGY VALUES FOR PROGRESSIVE, LEVAFLEX AND EVIDGOM STOPS

(Pages 61 and 62)







NIVOFIX®

See Vibrachoc
metallic range:
V43 - V44 - V45 - V46



DESCRIPTION

The NIVOFIX mounting is an adjustable equipment foot comprising a circular disc bonded to a protected elastomer base. An adjustment screw permits the levelling.

The elastomer base has anti-slip ridges.

OPERATION

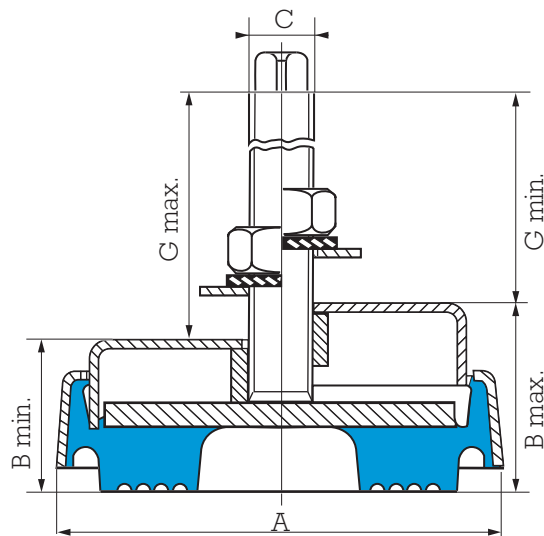
The design of the NIVOFIX mounting gives the following basic characteristics:

- Accurate adjustment of the mounting to correct the equipment's seating (adjustment screw, correction of altitude).
- Absorbs high frequency vibrations.
- Corrosion resistant (nitrile elastomer, protective shroud, galvanised metallic parts).
- Anti-slip sole (no need to fix).

Advantages:

- Speed of fixing.
- Simple removal of the equipment.
- No shimming.

DIMENSIONS



Reference Stainless steel	Reference Steel	A mm	B mm			C	G mm		Weight g	Stud length mm
			B maxi = B mini + adjustment				mini	maxi		
530815	530810	65	31.5	26.5	5	M12	105	110	280	120
530825	530820	88	46	33	13	M16	114	127	690	200
530835	530830	133	58	46	12	M20	130	142	1820	250
	530840	200	70	58	12	M24	145	157	5250	300
	530850	260	83	65	18	M24	158	176	10000	300

See current price list for availability of items.

OPERATING CHARACTERISTICS

Reference	Nominal static load min - max in daN	Deflection mm
530810	100 - 600	1 - 3.5
530815	100 - 600	1 - 3.5
530820	325 - 1300	2 - 4
530825	325 - 1300	2 - 4

Reference	Nominal static load min - max in daN	Deflection mm
530830	650 - 2600	2 - 4
530835	650 - 2600	2 - 4
530840	1500 - 6000	1.5 - 3
530850	3000 - 12000	2 - 4

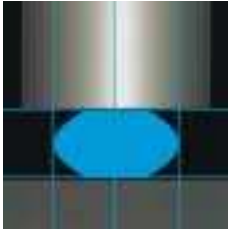
1 kg ≈ 1 daN

APPLICATIONS

NIVOFIX mountings are used for all equipment requiring height adjustment.

Equipment already using NIVOFIX mountings:

Vertical mill	Plane	Packaging machine
Mortiser	Horizontal mill	Test equipment
Multichuck drill	Lathe	Printing press
Sheet metal bender	Office equipment	Gear cutter
Polisher	- accounting	Textile machinery
Press	- computing	



MINIFIX

New range
MINIFIX

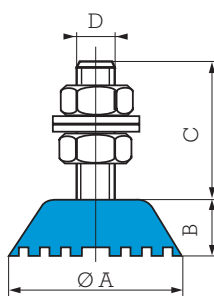


DESCRIPTION

The MINIFIX mounting comprises an elastomer pad with an anti-slip ridged surface and a threaded stud allowing accurate height adjustment of equipment.

Made in two hardnesses (50 and 80 Sh) the MINIFIX mounting is perfectly suited to a variety of applications and is delivered complete with fixing nuts and washers. MINIFIX mounting nuts and screws are made of steel or stainless steel.

CHARACTERISTICS



Reference Stainl. steel	Reference Steel	Hardness	Colour	Ø A mm	B mm	C mm	D	Load range daN
-	530801	50 SBR 80 Nitrile	grey black	32	15	38	M8 stud	5 - 30 15 - 70
-	530802*	50 SBR 80 Nitrile	grey black	46	15	-	M10 nut	10 - 80 25 - 200
530806	530805	50 SBR 80 Nitrile	grey black	46	15	38	M10 stud	10 - 40 25 - 100
-	530807	50 SBR 80 Nitrile	grey black	70	25.5	55.5	M12 stud	50 - 120 100 - 350

* Threaded centre hole.

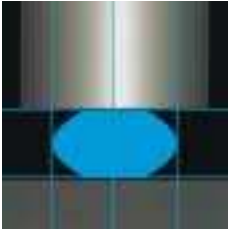
See current price list for availability of items.

1 kg ≈ 1 daN

APPLICATIONS

Simple and economic, MINIFIX mountings are particularly suitable for the installation of equipment such as:

- Electrical or electronic enclosures.
- Packaging equipment.
- Test and measuring equipment.
- Equipment for the food industry.
- Laboratory equipment.
- Household appliances.



TRAXIFLEX

(1) Natural frequency:
8 to 10 Hz

See Vibrachoc
metallic range:
VE101 - VE111
VE112 - VE113



DESCRIPTION

The TRAXIFLEX mounting comprises two metallic U armatures joined by two bonded rubber blocks.
It is available in two versions: male/female and female/female.

OPERATION

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

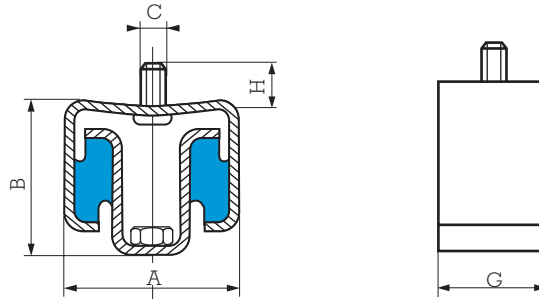
- Rubber works in compression-shear.
- The same deflection under nominal load for all types.
- Safety system in case of elastomer failure.

Advantages:

- Economic solution for suppressing structure borne noise.
- Several fixing methods.
- High resistance to atmospheric exposure:
 - galvanised armatures
 - chloroprene elastomer.
- Upper metallic part is shaped to simplify orientation while fixing.
- Two hardnesses of elastomer to extend the choice of mounting as a function of load.
- Filtration of vibration and the attenuation of the consequent noise.
- Allows movement due to thermal expansion.

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

DIMENSIONS



Type	Reference		Hardness	A mm	B mm	C	G mm	H mm
	1 screw - 1 nut	2 nuts						
TR 12-30	535600*	--	45-60	47	38	M7 x 1.50	16	7
TR 12-30	53560361**	--	60	47	38	M6 x 1.00	16	17
TR 12-30	535603	--	45	47	38	M6 x 1.00	16	17
TR 40-80	535611	535621	45-60	55	47	M8 x 1.25	30	13
TR 100-250	535612	535622	45-60	74	50	M12 x 1.75	40	17

See current price list for availability of items.

* Mountings ref. 535600 are fitted with a screw which can accept "ATLAS" collars.

** The part 53560361 also exists with a longer stud, H = 17 mm in an elastomer resistant to fire M1 (suffix 11).

OPERATING CHARACTERISTICS

Recommended load daN	Deflection mm	Reference		Hardness
		1 screw - 1 nut	2 nuts	
4-18	4	535600	--	45
4-18	4	535603	--	45
7-30	4	535600	--	60
7-30	4	53560361**	--	60
10-52	4	535611	535621	45
20-80	4	535611	535621	60
20-92	4	535612	535622	45
30-136	4	535612	535622	60

1 kg ≈ 1 daN

TRAXIFLEX mountings have been subjected to acoustic trials at the Centre Expérimental de Recherches et d'Études du Bâtiment et des Travaux Publics which has given the PV nr. 554.6.078.

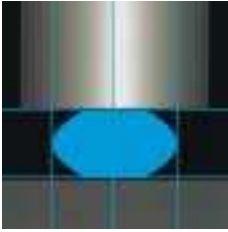
Note: For important loads, refer to solutions given page 26.** Elastomer resistant to fire M1 (Suffix 11).

ASSEMBLY

When fixing, ensure that all the TRAXIFLEX mountings are supporting the same load. It is necessary to ensure that they are all the same distance from the fixing surface (ceiling, girder, plank...).

TRAXIFLEX mountings can be used to suspend pipework: the whole assembly being fixed to the ceiling.

- Suspending hot air ducts.
- Suspending a fan unit and distribution ducts.
- Suspending a hot air generator with continuous airflow.
- Suspending an integral cased air conditioner.



BATRA RING



(1) Natural frequency:
7 to 22 Hz

DESCRIPTION

The BATRA ring comprises a rubber ring bonded to two metallic washers one with a circular groove, the other with a mating circular ridge which allows BATRA rings to be mounted one on top of another.

OPERATION

The design of the BATRA ring gives the following basic characteristics:

- Behaviour identical to that of a metallic spring plus damper.
- Robustness:
 - well behaved under shock.
 - removal of the risks of suspension collapse.
- Flexibility easily tailored by stacking BATRA rings.
- Transverse creep limited by the two bonded armatures.

APPLICATIONS

BATRA rings may be used:

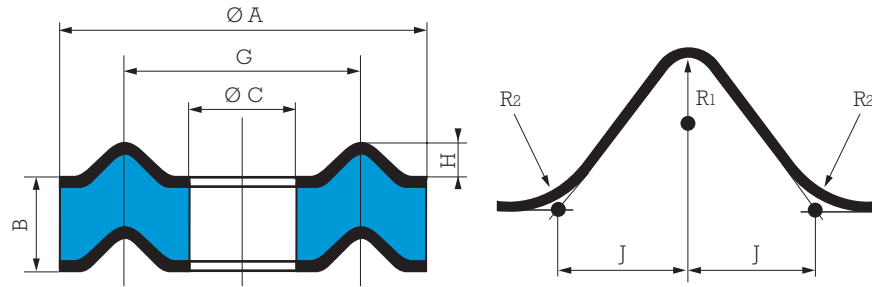
- For making suspensions that are very flexible vertically and also damped by the natural properties of the rubber (road and rail vehicles).
- For making very effective anti-shock buffers (wagons, cars, gantries).

For special applications, where the quantities would justify custom manufacture, it is possible to supply Special BATRA rings either with only one bonded lower armature or "all rubber".

For special cases of shock, there are Special BATRA rings with overlapping, non-bonded, armatures.

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

DIMENSIONS



Reference	Ø A mm	B mm	Ø C mm	G mm	H mm	J mm	R ₁ mm	R ₂ mm	Weight g
541050	50	11	14	32	4	5	2.5	1.5	45
541083	80	27	41.5	61	4	6	3	3	220
541082	86	27.5	32	65	5	7	4	2	300
541100	100	28.5	32	65	5	7	4	2	415
541112	115	30	50	85	10	10	5	3	540
541145	140	35	55	100.5	10	10	5	3	890
541146	146	20	55	100.5	10	10	5	3	750
541144	146	35	55	100.5	10	10	5	3	980
541175	170	35	60	115	10	10	5	3	1360
541174	170	50	60	115	10	10	5	3	1680
541185	185	40	95	140	10	10	5	3	1510
541249	250	50	70	160	10	10	5	3	2600
541250	250	59	70	160	10	10	5	3	4400

See current price list for availability of items.

OPERATING CHARACTERISTICS

Static compression		Dynamic compression			Reference
Nominal load daN	Deflection mm	Load daN	Deflect mm (1)	Ø A maxi	
50-200	0.8	600	3.5	57	541050
90-360	3	1100	7	90	541083
125-500	3	1500	7	100	541082
175-700	3	2100	7	115	541100
210-850	3	2500	7	130	541112
325-1300	3.5	4000	9.5	150	541145
375-1500	3	4500	7	158	541144

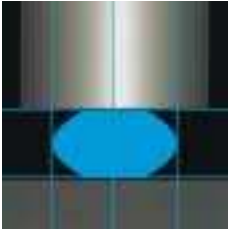
Static compression		Dynamic compression			Reference
Nominal load daN	Deflection mm	Load daN	Deflect mm (1)	Ø A maxi	
475-1900	1.1	5700	2.5	158	541146
500-2000	3	6000	9.5	190	541175
500-2000	5.3	6000	14	190	541174
500-2000	4.5	6000	12	205	541185
1125-4500	4.5	13500	12	282	541249
1125-4500	5.5	13500	13	282	541250

(1) The instantaneous deflection indicated in this table is approximate as it depends on the impact speed.
It is possible to use a metallic cushion for this application.

1 kg ≈ 1 daN

ASSEMBLY

The rings are centred using the grooves and ridges. To avoid play under no-load conditions, the stack should be pre-compressed by 3 to 10% of its height. It is also necessary to leave sufficient room around the stack for the sideways expansion under load.



BECA



(1) Natural frequency:
8 to 14 Hz

DESCRIPTION

The BECA mounting comprises one piece elastomer bonded to a top and bottom plate.

- Top plate: smooth or threaded (welded nut) hole.
- Bottom plate: fixing lugs or direct bearing on the ground.
- Bonded rubber.
- Domed rubber ring.
- Anti-slip bead or grooved anti-slip sole.
- Removable protective top cover: protects the rubber and distributes the load.

OPERATION

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

- Transverse elasticity approximately the same as the axial elasticity (equipfrequency).
- Rubber works in compression.
- Progressive buffer against shocks or accidental overload.
- Anti-slip (may be placed directly on the ground).

Advantages:

- The machine may be placed (with its mountings) directly on the ground.
- Very slim.
- Speed of fixing.
- Simple removal of the assembly.
- Extensive range: 3 hardnesses of rubber for 6 existing sizes, allowing the mounting to be optimised as a function of the load and stimulation frequency.
- A choice of 3 fixing styles.

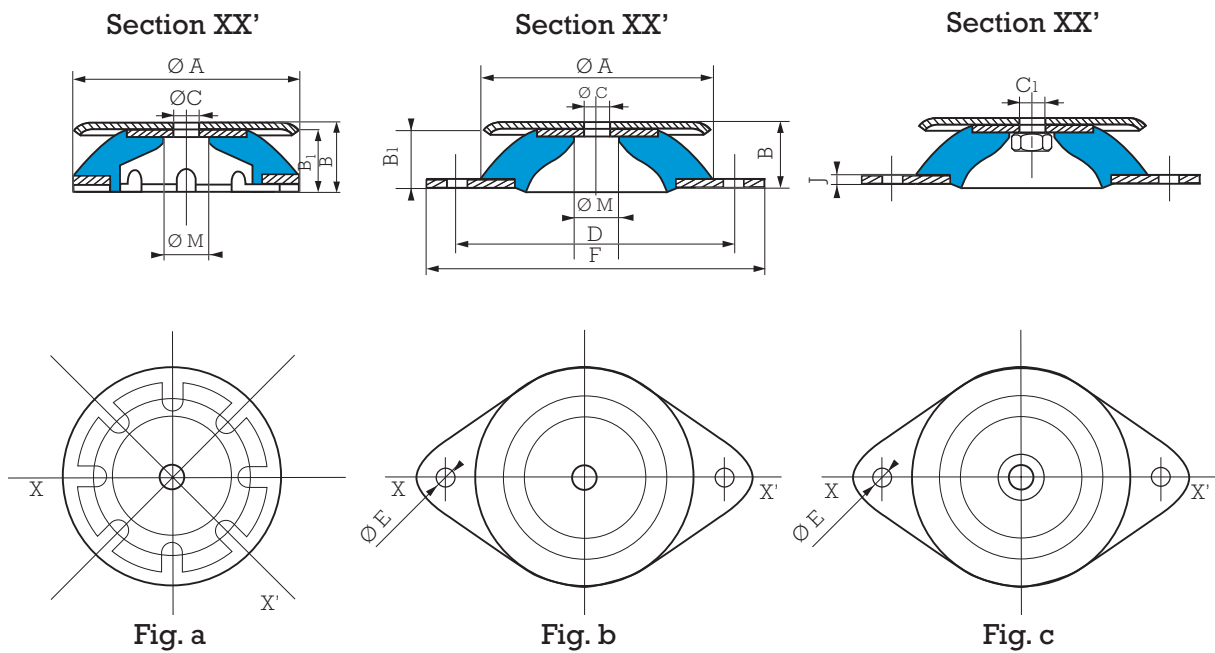
Recommendations:

- In order not to affect the suspension of the machine, all external connections must be flexible.
- BECA mountings can be used for fixed, well-balanced rotating machinery, otherwise a ballasting slab should be used.

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

Nota: BECA mountings can be replaced by PAULSTRADYN mountings.

DIMENSIONS



BECA with anti-slip base

BECA with lugs, smooth hole

BECA with lugs, threaded hole

Type	Hardness	Reference			Ø A mm	B mm	B ₁ mm	Ø C mm	C ₁	D mm	Ø E mm	F mm	J mm	Ø M mm	Weight g
		Anti-slip base	Diamond base												
		Smooth hole (fig. a)	Smooth hole (fig. b)	Threaded hole (fig. c)											
Ø 40	45.60	--	--	533641*	40	20	18	-	M6	52	6.2	64	2	19	50
Ø 60	45.60.75	--	--	533661	60	24	22.5	-	M6	76	6.2	90	2	18	140
Ø 80	45.60.75	--	533581	533681	80	27	25	8.1	M8	100	8.2	120	2	22	250
Ø 100	45.60.75	533108	--	--	100	30	28	10.2	-	-	-	-	-	22	420
Ø 100	45.60.75	--	533109	533609	100	27.5	25.5	10.2	M10	124	10.2	148	2.5	22	460
Ø 150	45.60.75	533151	--	--	150	41	38	14.2	-	-	-	-	-	34	1220
Ø 150	45.60.75	--	533152	533652	150	39	36	14.2	M14	182	12.2	214	4	34	1340
Ø 200	45.60.75	533202	--	--	200	46	42	18	-	-	-	-	-	44	2750
Ø 200	45.60.75	--	533203	533623	200	44	40	18	M18	240	14.5	280	5	44	3030

* Ø 40, M6 - RAPID nut - max. torque 3 N.m.

See current price list for availability of items.

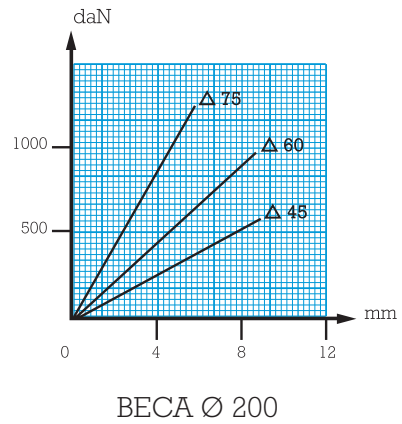
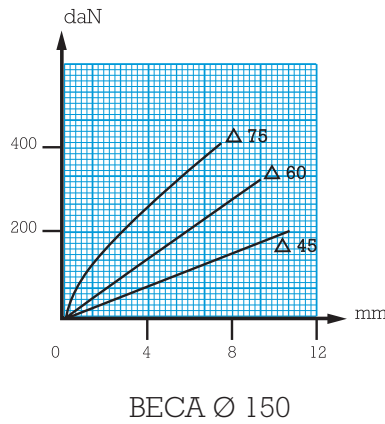
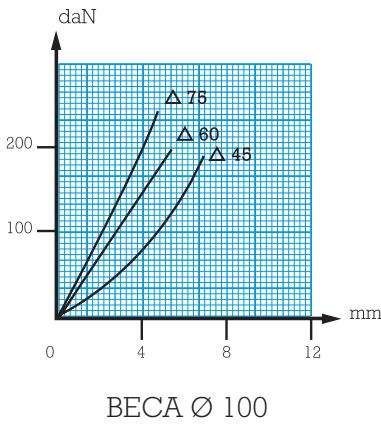
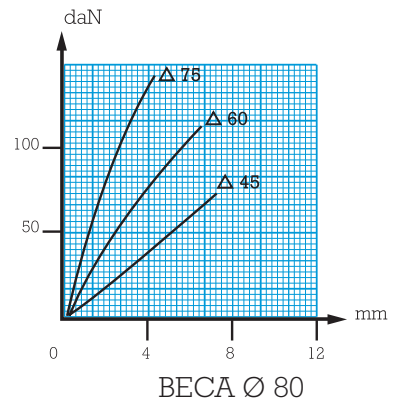
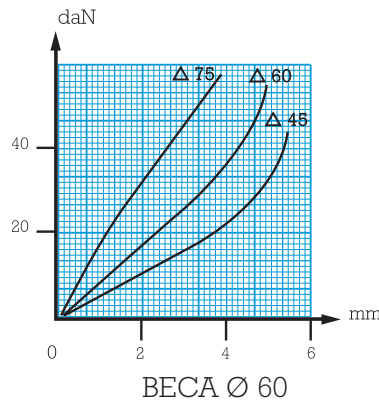
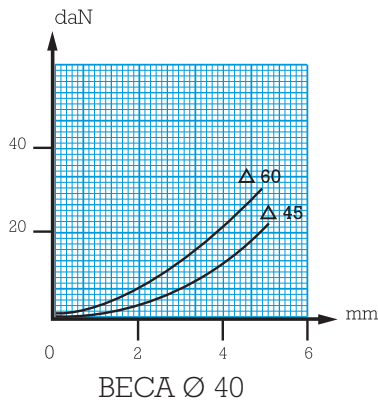
OPERATING CHARACTERISTICS

Nominal static load daN	Deflection mm	Type	Hardness
1-4	2	Ø 40	45
2-10	2.5	Ø 40	60
3-15	3	Ø 60	45
6-25	3	Ø 60	60
11-45	3	Ø 60	75
11-45	4.5	Ø 80	45
20-80	4.5	Ø 80	60
22-90	4	Ø 100	45
30-120	4	Ø 80	75

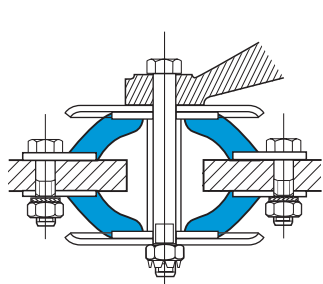
Nominal static load daN	Deflection mm	Type	Hardness
30-130	7	Ø 150	45
40-160	4	Ø 100	60
50-220	4	Ø 100	75
60-250	7	Ø 150	60
85-350	6	Ø 150	75
125-500	7	Ø 200	45
200-825	7	Ø 200	60
310-1250	6	Ø 200	75

1 kg ≈ 1 daN

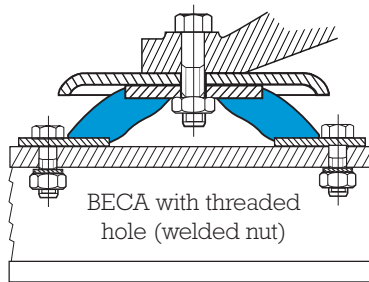
LOAD/DEFLECTION CURVES IN AXIAL COMPRESSION



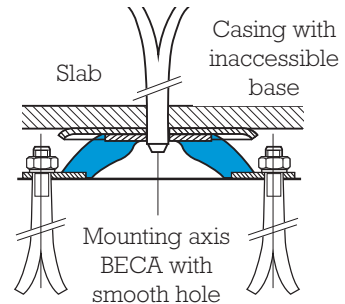
ASSEMBLY



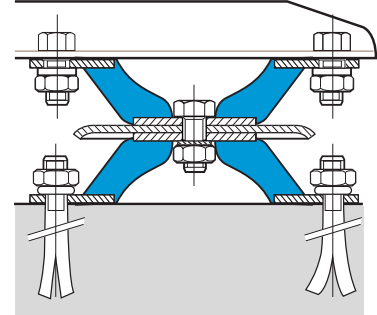
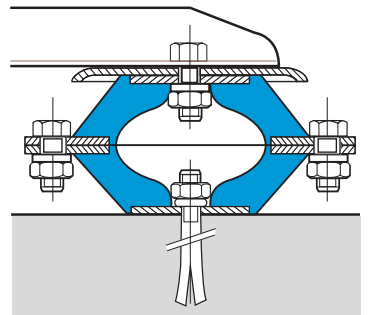
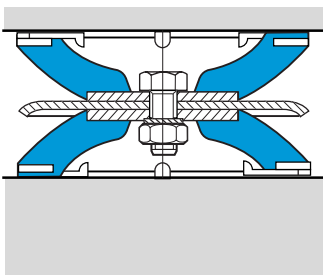
Anti-rebound (prestressed)



BECA with threaded hole (welded nut)

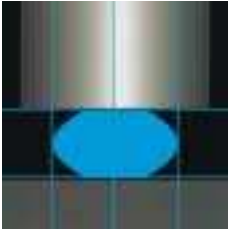


Mounting axis BECA with smooth hole



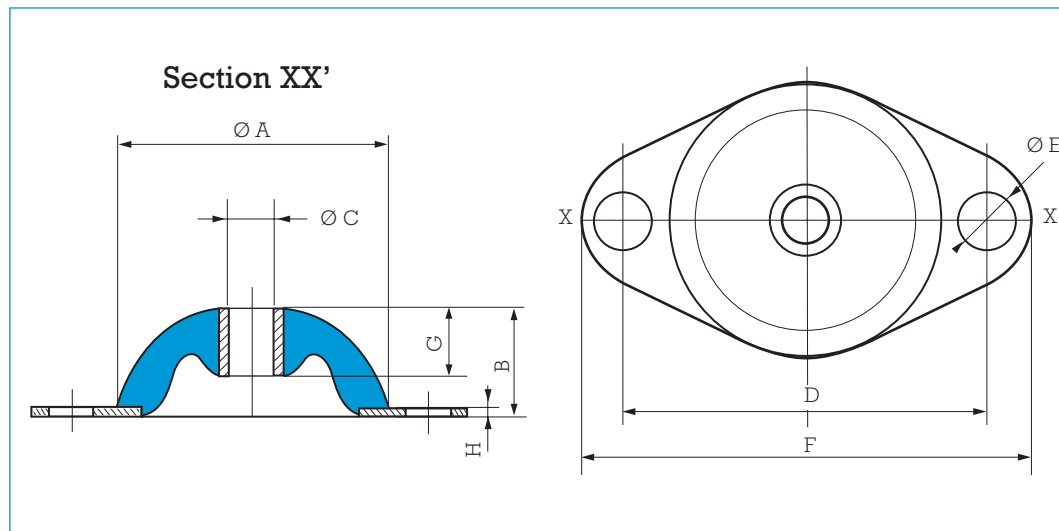
BECA mountings in tandem (to double the deflection)

All our mountings are identified by conventional markings, either a paint spot or figures indicating the hardness: grey = hardness 45, green = hardness 60, blue = hardness 75.



POLYFLEX

(1) Natural frequency: 9 to 20 Hz



DIMENSIONS

Reference	Ø A mm	B mm	Ø C mm	D mm	Ø E mm	F mm	G mm	H mm
532300	30	16	6	40	6.1	50	8	1.5
532500	50	20	8	66	8.2	82	13	2
532563	55	23	10.1	90	8.2	106	15	3
532561	60	25	12.2	76	8.5	95	20	4
532750	75	30	12.2	95	11.0	118	25	6

See current price list for availability of items.

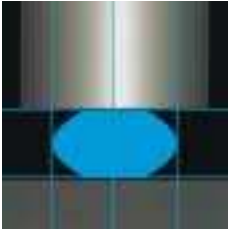
OPERATING CHARACTERISTICS

Nominal static load daN	Deflection mm	Reference	Hardness
1-5	3	532300	45
1-7	2	532300	60
2-8	1	532300	75
2-10	4	532500	45
3-15	3	532500	60
4-18	5	532563	45
5-20	2.5	532500	75
7-30	3	532561	45

Nominal static load daN	Deflection mm	Reference	Hardness
7-30	5	532563	60
10-40	2	532561	60
10-50	1.5	532561	75
10-50	4	532750	45
15-60	5.5	532563	75
15-65	3	532750	60
20-80	1.5	532750	75

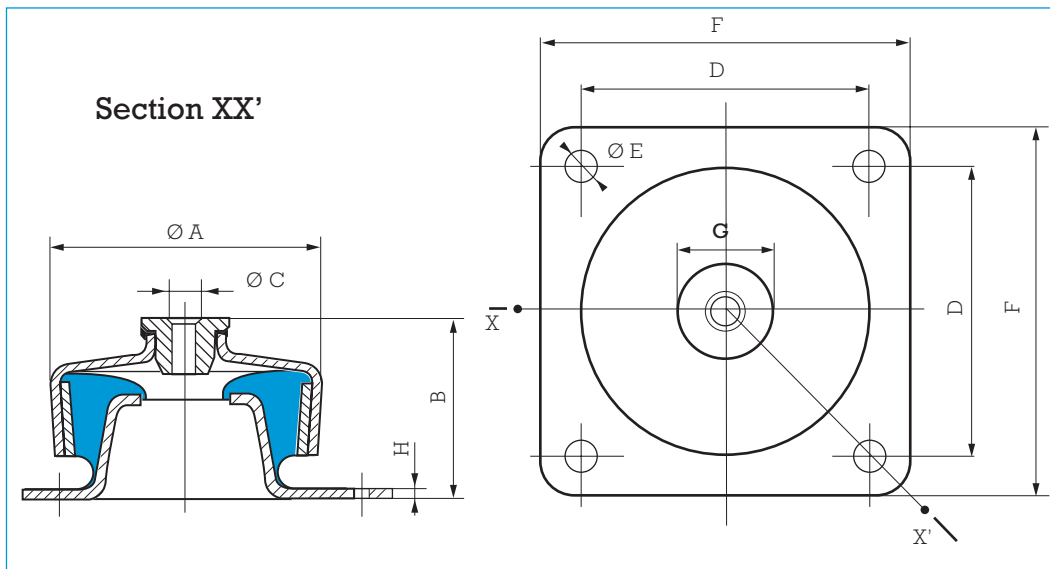
1 kg ≈ 1 daN

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



S.C.P. MOUNTING

(1) Natural frequency: 9 to 15 Hz



DIMENSIONS

Reference	$\varnothing A$ mm	B mm	$\varnothing C$ mm	D mm	$\varnothing E$ mm	F mm	G mm	H mm
530120	74	53	10	72	9	90	32	3
530220	92	63	12	90	11	114	36	3
530420	124	94	16	114	13	144	60	4

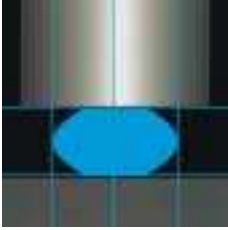
OPERATING CHARACTERISTICS

Reference	HARDNESS 45		HARDNESS 60		HARDNESS 75		Weight g
	Load daN	Deflect. mm	Load daN	Deflect. mm	Load daN	Deflect. mm	
530120	70	3	120	2.5	175	2	580
530220	140	4	200	3	300	2.5	1000
530420	300	5	500	5	800	4	2550

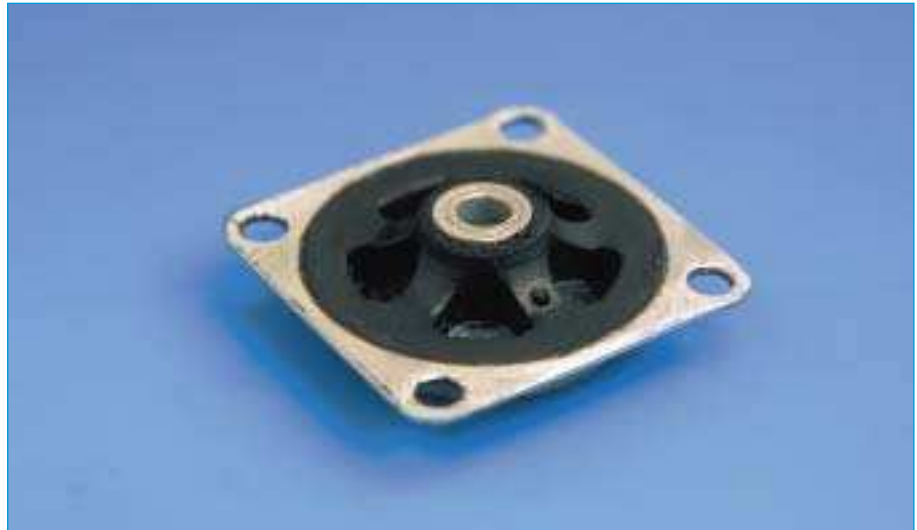
See current price list for availability of items.

1 kg \approx 1 daN

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



ISO FLEX



(1) Natural frequency:
11 to 15 Hz

DESCRIPTION

The ISO FLEX mounting comprises two concentric metallic parts joined by a bonded, perforated rubber ring.

OPERATION

The design of the ISO FLEX mounting gives the following basic characteristics:

- Elasticity approximately the same in all directions (equi-frequent mounting).

APPLICATIONS

ISO FLEX mountings may be used for suspending any small measuring or recording equipment, mobile equipment, machine tool controls.

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

DIMENSIONS

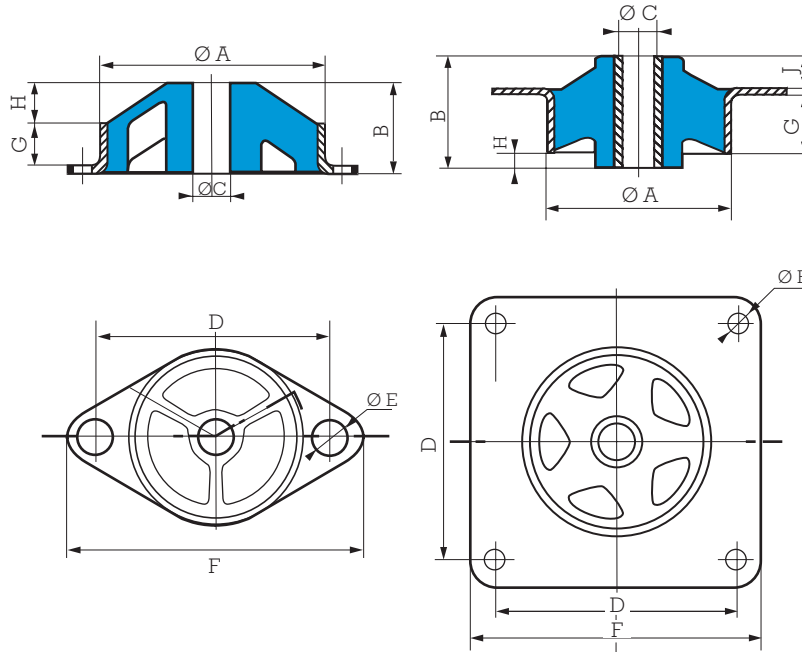


Fig. a

Fig. b

Type	Fig.	Reference	Hard.	Ø A mm	B mm	Ø C mm	D mm	Ø E mm	F mm	G mm	H mm	J mm	Weight g
R	a	552428	50	28	8	4.2	36	3.2	44	4	3	-	9
I.20	b	552231	45-60	25.4	10.3	4.2	25.4	3.6	31.8	4.2	1	4.3	10
I.30	b	552241	45-60	38.1	15.9	6.2	34.9	4.2	44.5	7.3	-	7.3	30

See current price list for availability of items.

OPERATING CHARACTERISTICS

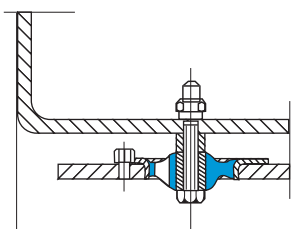
Nominal static load daN	Deflection mm	Type	Reference	Hard.
0.25-1	3	R	552428	50
0.50-2	3	I.20	552231	45
0.75-3	2.5	I.20	552231	60

Nominal static load daN	Deflection mm	Type	Reference	Hard.
1-4	3	I.30	552241	45
1.5-6	2	I.30	552241	60

1 kg ≈ 1 daN

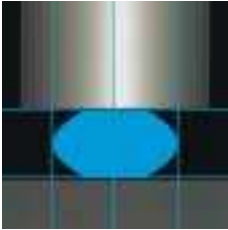
All our mountings are identified by conventional markings, either a paint spot or figures indicating the hardness:
grey = hardness 45, green = hardness 60, blue = hardness 75.

ASSEMBLY



Fixing method

To avoid toppling or canting, the suspension should be designed so that the centre of gravity of the suspended equipment is close to the geometrical centre of the suspension.



ISODYNE



DESCRIPTION

The ISODYNE mounting comprises two half mountings joined together.

OPERATION

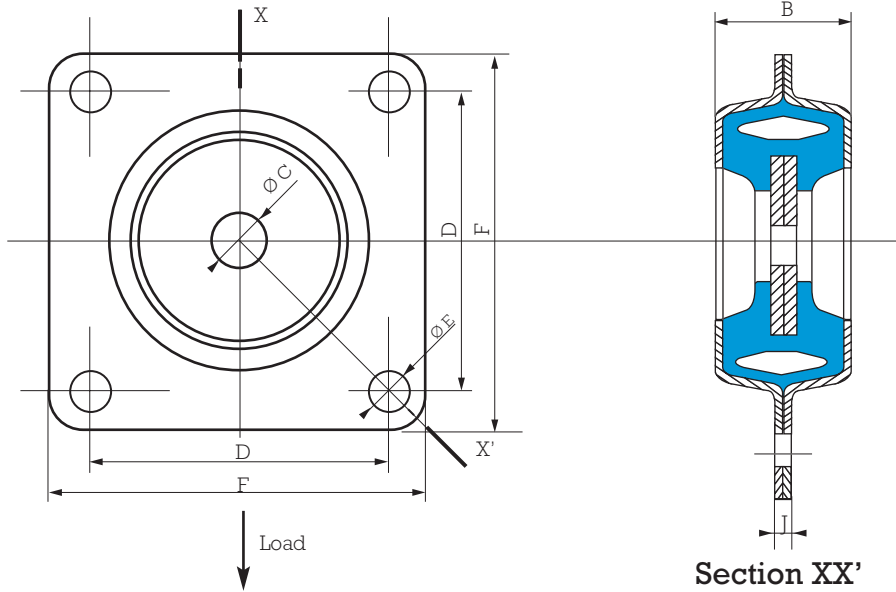
The design of the ISODYNE mounting gives the following basic characteristics:

- A very high axial to radial stiffness ratio.
- Vertical fixing avoiding excessive inclination of the equipment.
- Fixing at any angle.
- Safe, anti-rebound.

APPLICATIONS

ISODYNE can be used to suspend lightweight equipment in a vertical plane.

DIMENSIONS



Reference	Hardness	B mm	$\varnothing C$ mm	D mm	$\varnothing E$ mm	F mm	J mm	Weight g
551321	50	16	4.2	25.4	3.5	32	1.6	10
551441	45	18	6.5	35	4.2	44.5	2	24
551571	45.60	20	8.2	45.5	6.2	57.5	2	50

See current price list for availability of items.

OPERATING CHARACTERISTICS

Nominal static load daN	Deflect. mm	Reference	Hard.
2.5	1	551321	50
10	3	551441	45

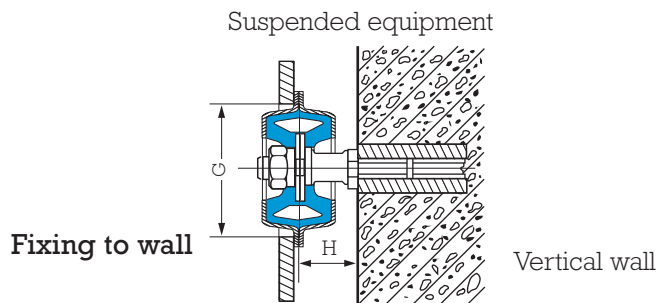
Nominal static load daN	Deflect. mm	Reference	Hard.
25	2.5	551571	45
35	2.5	551571	60

1 kg \approx 1 daN

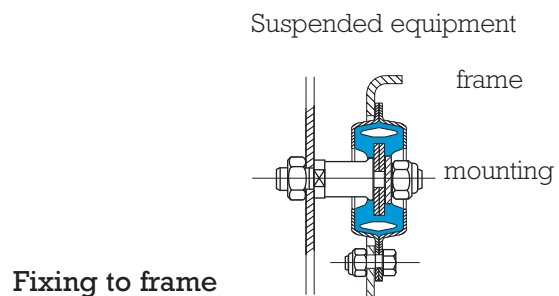
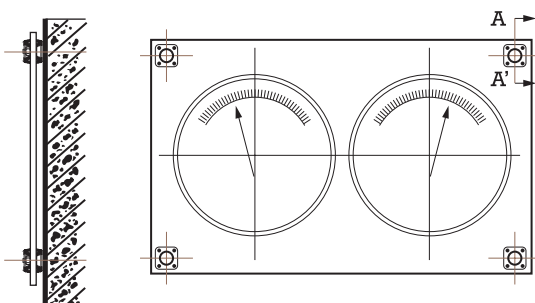
ASSEMBLY

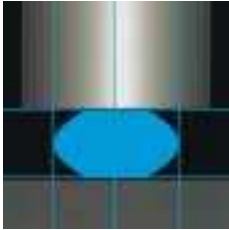
Fixing clearances (approximate)

Reference	G mm	H mm
551321	28	18
551441	40	20
551571	47	22

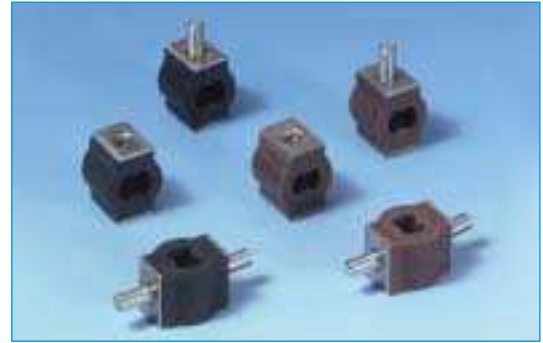


Fixing a control panel against a wall or vertical frame.





S.L.F. MOUNTS



Natural frequency:
10 to 25 Hz

SILICONE RUBBER / SPECIAL ELECTRONICS

SMALL LOADS / HIGH DEFLECTIONS

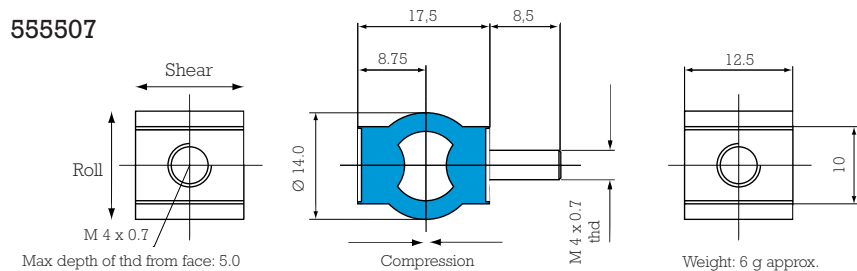
DESCRIPTION

Low frequency high deflection antivibration mounting available in a choice of elastomers including high damped silicone. The zinc plated mild steel metalwork is fully bonded for improved fatigue strength.

APPLICATIONS

These mounts have been designed to protect low mass components and instruments from vibration and shock and to isolate small rotating machines e.g. pumps and electric motors.

DIMENSIONS



OPERATING CHARACTERISTICS

Maximum sinusoidal input at resonance: ± 0.5 mm.
 Resonance frequencies at maximum input: 10 to 25 Hz dependent on axis and load.
 Axial to radial stiffness: 3 : 1.
 Amplification at resonance: silicone mounting: 4 rubber mounting: 10.
 Maximum displacement during shock: axial: 5 mm.
 radial: 7 mm.

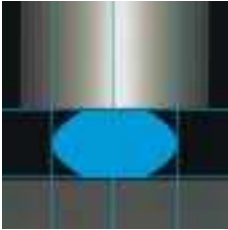
Mechanical strength corresponding to a continuous acceleration of 10 g at maximum load.

Part number	Mix	Static load in compression kg	Static load in shear kg	Static load in roll kg	Temperature for continuous operation
55500*42	Silicone 42 Sh	0.10 - 0.50	0.10 - 0.25	0.10 - 0.15	- 54 to + 150°C
55500*72	Silicone 70 Sh	0.60 - 0.80	0.25 - 0.50	0.15 - 0.30	
55500*01	NR 50 Sh	0.10 - 1.50	0.10 - 0.50	0.10 - 0.40	- 40 to + 70°C
55500*02	NR 70 SH	1.50 - 3.00	0.50 - 1.00	0.40 - 0.80	

NB: The * define the type of fixing: combination fixing: 555007 male/male fixing: 555005 female/female fixing: 555006

ASSEMBLY

Improved stability can be achieved if the mounts are inclined at 45° towards the centre of gravity.



“SANDWICH” MOUNTING



(1) Natural frequency:
5 to 13 Hz

DESCRIPTION

The SANDWICH mounting comprises one or more layers of elastomer bonded to flat, parallel metallic plates. These mountings may be cylindrical or rectangular. They are designed to withstand very high compressive loads. The range of mechanical characteristics is governed by the hardness of the rubber and the number of intermediate metallic plates.

These mountings can support compression from 20 to 100 bars.

The metal plates usually receive a phosphate anti-corrosion treatment.

The elastomer is polychloroprene which provides a high resistance to atmospheric exposure.

OPERATION

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

- Very slim.
- Large surface area.
- Stackable mountings.
- The suspended equipment is free to move in all directions.
- High ratio of axial stiffness to radial stiffness.
- Very high axial loads.

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

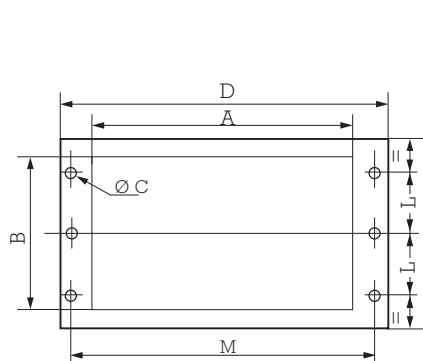


Fig. A

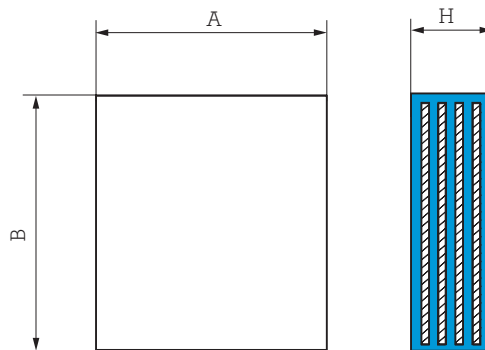


Fig. B

MOUNTINGS WITH FIXING PLATES Fig. A

Reference without intermediate plate	Reference with intermediate plate	A mm	B mm	D mm	E mm	H mm	h mm	Nr holes x Ø C (mm)	L mm	M mm	Weight kg
539608	539607	182	142	255	170	49	40	6 x 9	58	235	5
539612	539933	372	252	460	300	61	50	6 x 13	100	430	18
539613	-	702	252	805	300	61	50	6 x 17	95	765	35
-	539267	160	110	230	110	58	44	4 x 15	35	202	5
539821	-	283	140	380	140	76	60	6 x 18	50	340	9.5

See current price list for availability of items.

Nominal static load daN	Deflection mm	Reference	Hard.
1000-4000	12	539821	50
1250-5000	7	539608	60
2500-10000	6	539607	45
6250-25000	3.5	539267	70
3750-15000	5	539607	60

Nominal static load daN	Deflection mm	Reference	Hard.
5000-20000	6	539612	45
7500-30000	7	539612	60
11250-45000	5	539613	60
15000-60000	4	539933	60

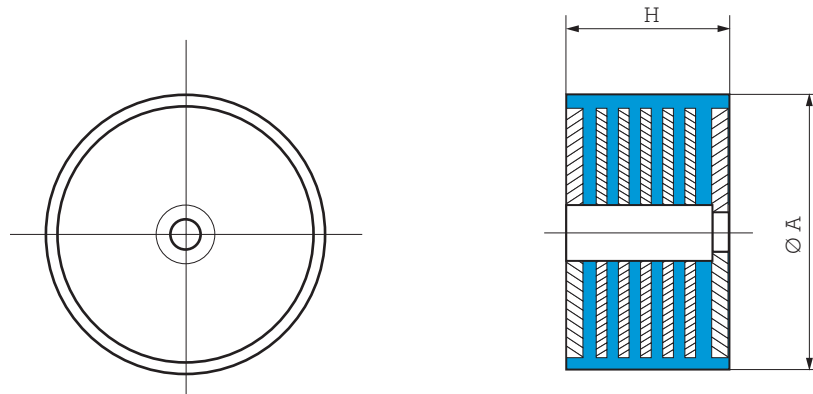
1 kg ≈ 1 daN

MOUNTINGS WITHOUT FIXING PLATES Fig. B

Reference	A (=D) mm	B (=E) mm	H mm	Maximum static load daN
539832	200	165	38	95 000
539823	220	220	270	150 000
539833	240	200	38	145 000
539992	250	250	140	200 000
539820	400	300	78	380 000
539835	405	255	61	310 000
539537	500	500	66.5	870 000
539890	510	410	82	700 000
539939	600	500	125	1 000 000
539520	650	650	152	1 500 000
539924	702	252	52	450 000
539903	800	250	190	480 000
539701	750	750	300	2 000 000
519821	200	190	60	115 000
519822	260	230	60	185 000
519823	280	180	60	143 000

1 kg ≈ 1 daN

CYLINDRICAL MOUNTINGS

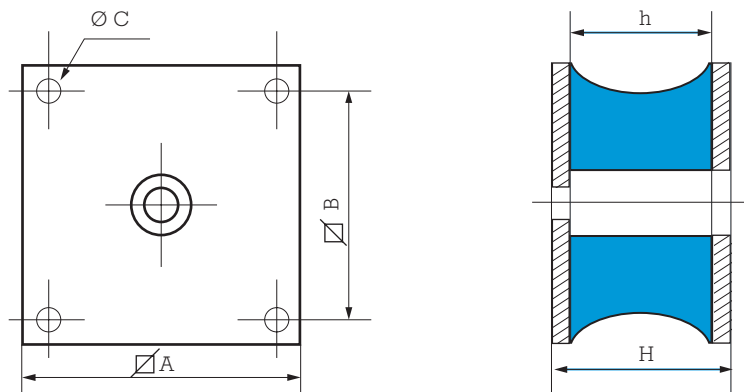


Reference	Ø A mm	H mm	Nominal static load daN
539904	115	54	1 500
544051	150	110	12 000
539796	200	96.5	18 000
539983	200	90	5 000
539539	275	275	5 000
539938	320	19	100 000
539937	350	105	110 000
539900	400	117	150 000
544078	600	167	300 000
544079	600	285	433 000
544080	860	300	650 000

Various types of fixing are available. Consult us for information.

1 kg = 1 daN

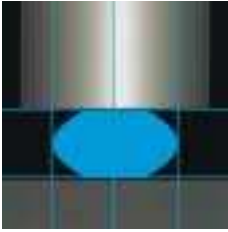
DOMINANTLY RADIAL MOUNTINGS



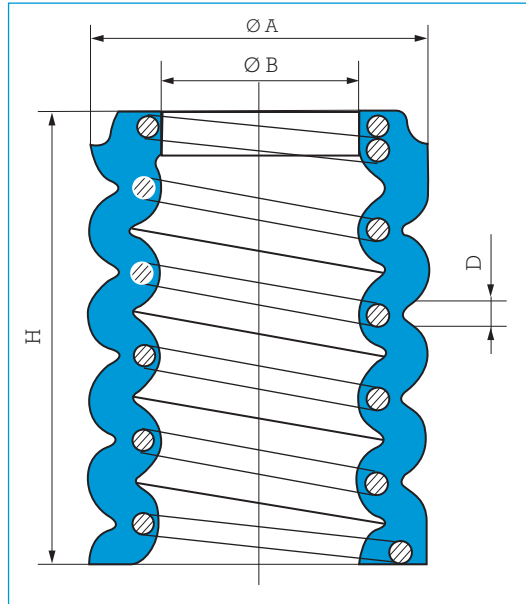
Reference	A mm	h mm	B mm	H mm	Ø C mm	Shear		Compression daN
						mm	daN	
534646	150	62	120	70	12.5	20	200	1 500
534647	150	62	120	70	12.5	20	150	1 000
534455	232	74	190	86	16.5	25	500	2 000
534456	232	74	190	86	16.5	25	625	3 500
539898*	180	88	146	100	13	10	400	3 000
539917*	180	66	146	76	13	10	250	1 500
539940	300 x 480	318	430 x 219	350	18	70	4500	13 000
539806	360 x 200	100	330 x 170	120	18	30	1200	3 000
544051*	240 x 160	100	190 x 110	110	17	50	1800	10 000

* Multilayer laminated part.

Various types of fixing are available. Consult us for information.



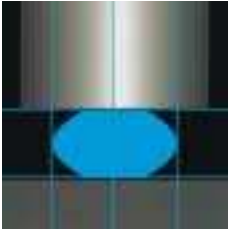
ELIGO®



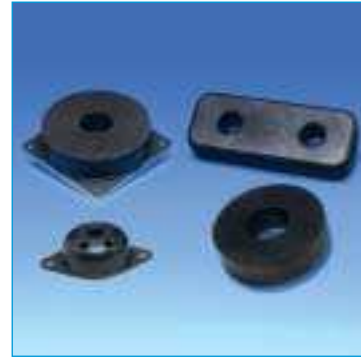
Reference	Ø A mm	Ø B mm	D mm	H unloaded mm	Nominal static load daN	Deflection mm
537070	70	28	4	148	300	41
537007	70	28	4	175	300	61
537001	70	28	4	200	180	62
537000	92	61	7	87	350	20
537137	140	74	14	157	1500	30
537115	155	80	10	250	1000	62
537117	155	80	10	340	1000	91
537119	212	118	12	149	2500	40
537120	212	118	12	284	2500	78
537144	260	119	18	400	6650	143
537116	283	148	20	380	5500	150
537114	283	148	20	450	6000	180

See current price list for availability of items.

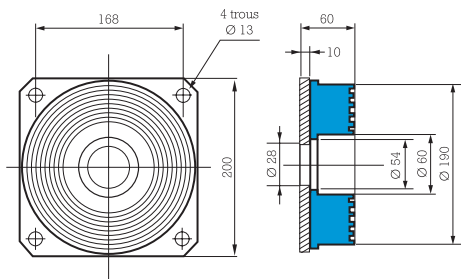
1 kg ≈ 1 daN



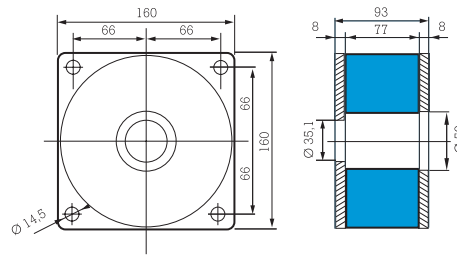
SUPPORTS AND BUMP STOPS



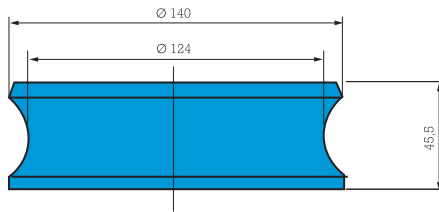
Reference: **514202** - Hardness: 75 - Compressive load: 5000 daN - Deflection: 8 mm



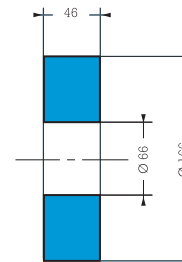
Reference: **534501** - Hardness: 60 - Load: Compression: 2500 daN - Deflection: 15 mm - Shear load: 300 daN - Deflection: 10 mm



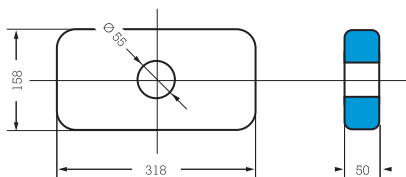
Reference: **813501** - Hardness: 60 - Compressive load: 1000 daN - Deflection: 4 mm



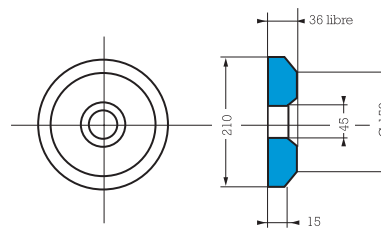
Reference: **817505** - Hardness 60 - Compressive load: 1500 daN - Deflection: 5 mm



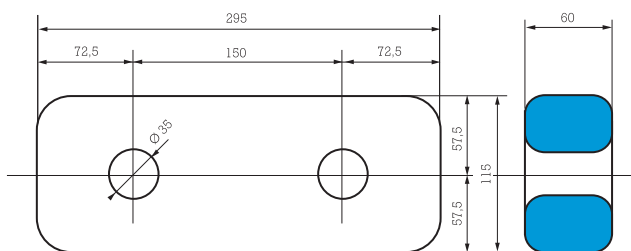
Reference: **813506** - Hardness 60 - Compressive load: 4000 daN - Deflection: 2.4 mm

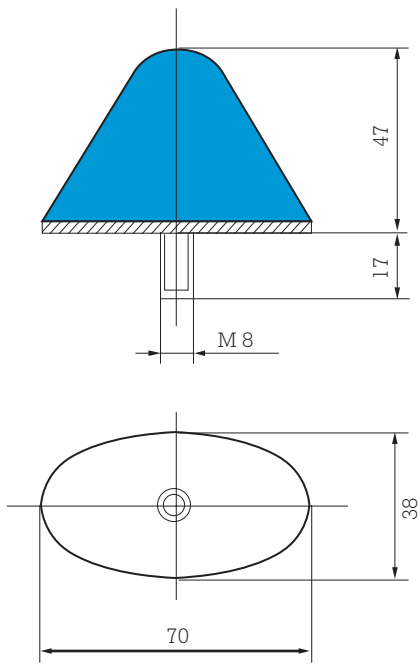


Reference: **817605** - Hardness 60 - Compressive load: 2000 daN - Deflection: 1.4 mm

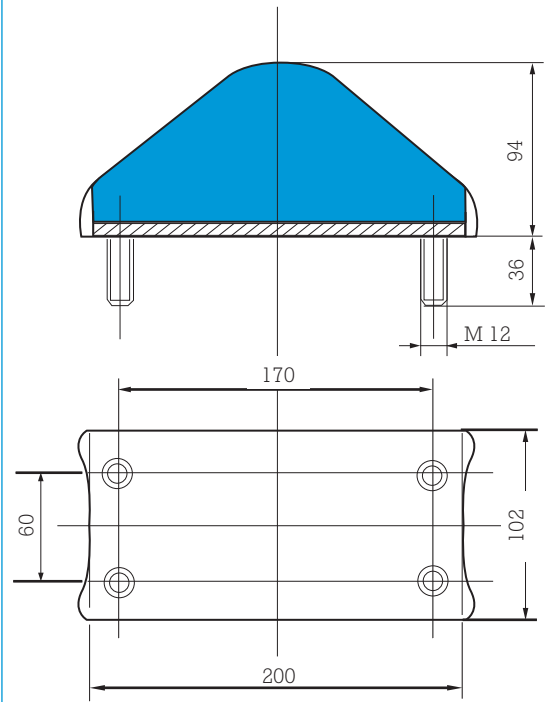


Reference: **813504** - Hardness 60 - Compressive load: 3000 daN - Deflection: 9 mm

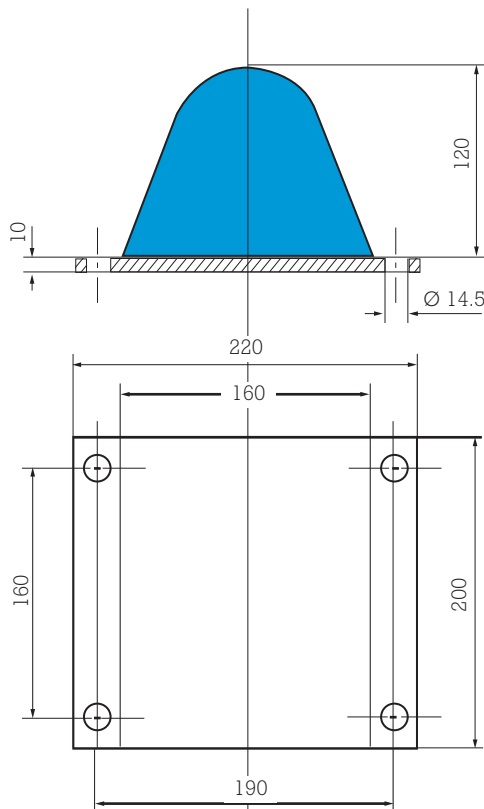




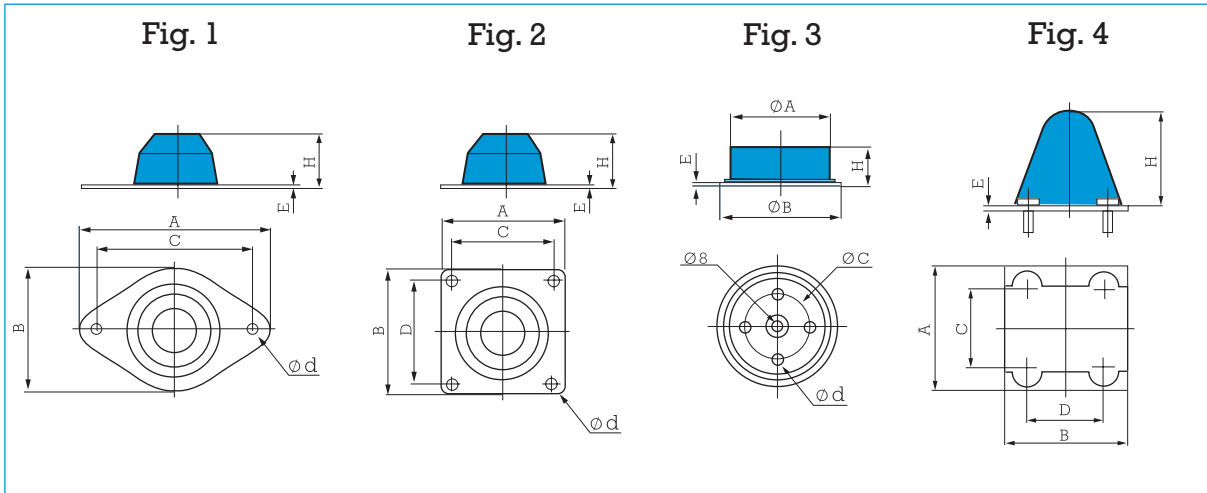
Deflection: 14 mm
 Maximum load: 150 daN
 Reference **512389**



Deflection: 35 mm
 Maximum load: 3000 daN
 Reference **519186**



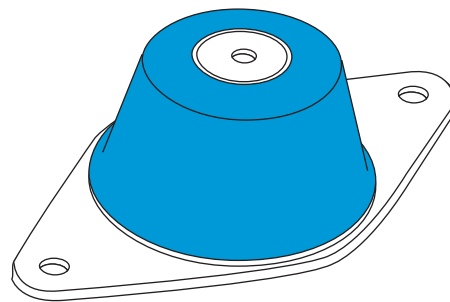
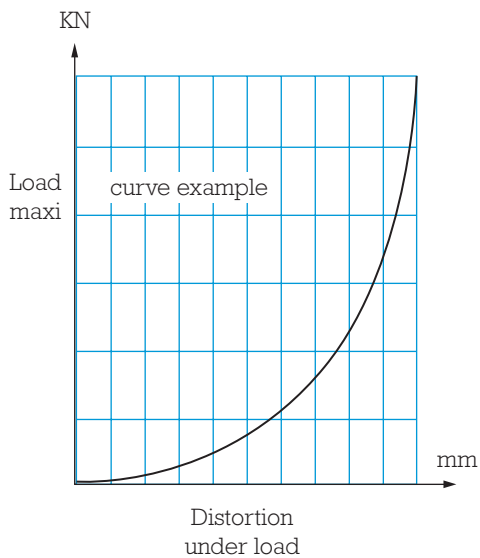
Deflection: 45 mm
 Maximum load: 4800 daN
 Reference **512991**



See Paulstra
elastomer range:
Stops

Reference	Fig.	A mm	B mm	Ø C mm	D mm	E mm	H mm	Deflection under load mm	Load maxi KN	Ø d (mm)
E1V-3245-04*	4	135	125	106	85	5	110	--	50	M10
E1V-3568-01*	3	126		80		3	36	10	59	5/16 or M8
E1V-3892-01*	2	196	140	174	118	5	85	40	25	13
E1V-3914-01*	1	170	110	140		3	40	25	20	15
E1V-3921-01*	1	170	110	140		3	50	31	28	15
E1V-3922-01*	2	180	180	148	148	6	56	32	60	15
E1V-3927-01*	1	170	110	140		3	40	25	28.5	15
E1V-3931-01*	2	110	110	92	92	3	90	--	26	9
E1V-3932-01*	1	170	110	140		3	30	15.5	50	15
E1V-3940-01*	1	170	88	140		3	20	10	30	15
E1V-4031-01*	1	170	110	140		3	65	41	25	15
E1V-4059-11*	1	234	125	200		5	70	40	51.2	14
519805	1	170	110	140		3	50	31	28	15
519830	2	100	110	80	90	3	62	25	12.5	11

*Vibrachoc range



- Advantages:
- sliding plate.
 - integrated stop.
 - progressive stiffness.