

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:

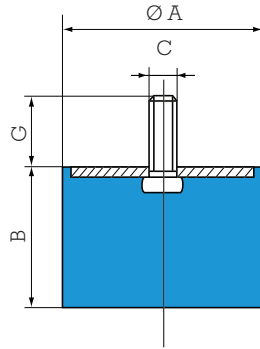
- Simple to fix.
- Simple and economical.
- Extensive range:
 - 13 stud diameters.
 - Several heights for each diameter.
 - 5 methods of fixing.

Recommendations:

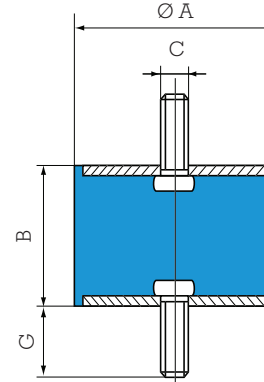
- Operation in shear is very useful for vibration isolation provided that the radial forces are not too great.

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			20	3	511294
20	15			4	511296	
25	15	5	511298			
20	8.5	M6	16.5	40	1.5	511200
	15			35	4	511215
	20			30	5	511220
	25			30	5.5	511225
	30			25	7	511230
25.5	10	M6	18	80	2	511158
	15			60	3.5	511155
	20			50	5	511159
	30			50	8	511160
	10	M8	20	80	2	511265
	15			60	3.5	511270
	19			55	4.5	511251
	22			50	5.5	511275
25	50	6	511280			
30	50	8	511285			
40	50	10	511290			
30	15	M8	25	90	3.5	511308
	22			80	6	511310
	30			70	8	511312
	30			70	8	511312
	40			60	9	511314
40	30	M8	20	120	7	511157
	40			120	10	511161
40	20	M10	25	160	5	511450
	25			150	6	511401
	35			120	8	511452
	40			120	10	511454
	40			120	10	511454
	45			120	11	511456
50	25	M10	25	300	6	511525
	35			250	9	511535
	45			190	11	511545
60	22	M10	25	350	3	513601
	25			400	6	511625
	36			300	9	511635
	45			250	11	511645
70	35	M10	25	450	9	511735
	50			350	12	511750
	70			300	14	511770
80	25	M14	45	1100	6	513801
	30			950	8	511830
	40			600	10	511840
	70			500	17	511870
	70			35	17	511870
	80			35	19	511880

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

1 kg ≈ 1 daN

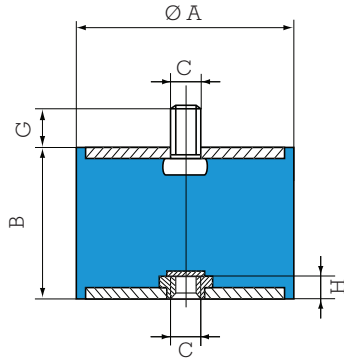
See Vibrachoc elastomer range: Threaded studs

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			8	3.5	4	521295	
16	10	M4	10	20	1.5	2.5	1.5	521650
	15			3	2.5	2	521651	
	10	M5	12	20	1.5	2.5	1.5	521292
	15			20	3	2.5	2	521294
20	15			4	2.5	4	521296	
25	15	5	2.5	5	521298			
20	8.5	M6	16.5	40	0.6	5	1	521178
	15			35	3	5	2.5	521249
	20			30	4.5	5	3.5	521297
	25			30	5.5	4.5	4.5	521299
	30			25	7	4.5	4.5	521319
25.5	10	M6	18	80	1.5	8	1.5	521655
	15			60	2.5	8	2.5	521656
	20			50	2	8	4	521652
	30			50	7.5	8	6	521653
	10	M8	20	80	1.5	8	1.5	521340
	15			60	2.5	8	2.5	521341
22	50	4	8	4	521251			
25	50	5.5	8	4.5	521342			
30	50	7.5	8	6	521343			
40	50	10	6.5	6	521344			
30	15	M8	25	90	3	11	2.5	521308
	22			80	5	11	4	521310
	30			70	8	11	6	521312
	30			70	8	11	6	521312
	40			60	9	11	7.5	521314
40	30	M8	20	150	6	20	5.5	521181
	40			120	10	20	7.5	521657
40	20	M10	25	160	4	20	3	521450
	28			150	6	20	5.5	521401
	35			120	8	20	6.5	521452
	40			120	10	20	7.5	521454
	40			120	10	20	7.5	521454
	45			120	11	20	9	521456
50	25	M10	25	300	6	25	4.5	521580
	35			250	8	25	7	521581
	45			190	11	25	9	521582
60	25	M10	25	400	5	30	4.5	521601
	36			300	8	30	7	521603
	45			250	11	30	9	521641
70	35	M10	25	450	8	35	6.5	521705
	50			350	11	35	11	521710
	50			300	14	35	15	521711
	70			300	14	35	15	521711
80	40	M12	28	600	9	40	7	521658
	30			45	7	40	5	521803
	30	M14	35	950	7	40	5	521840
	35			950	7	40	5	521841
	40			600	9	40	7	521841
	70			35	17	40	15	521842
80	35	19	40	17	521843			
100	40	M16	47	1100	8	60	7	521908
	55			900	12	60	10	521909
	80			750	19	60	17	521910

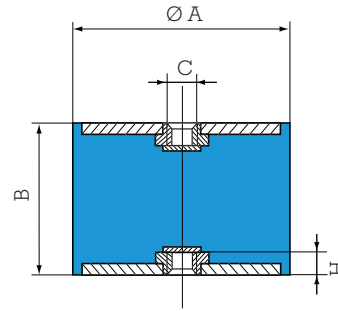
* The shear characteristics are measured under Axial Load.

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

COMBINATION FIXING



THREADED HOLE FIXING



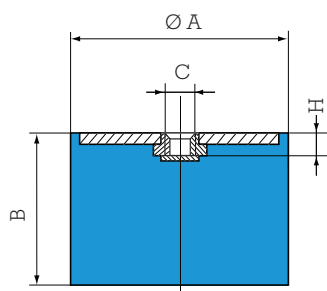
Ø A mm	B mm	C	G mm	H mm	Compression		Shear*		Ref.	
					Max. load daN	Deflect. mm	Max. load daN	Deflect. mm		
16	10	M4	10	2	20	1.5	2.5	1.5	520053 520054	
	15				3	2.5				
	10	M5	12	3	20	1.5	2.5	1.5	520010 520011 520012 520013	
	15				3	2.5				2
	20				4	2.5				4
25	5	2	5							
20	15	M6	16.5	4	35	2.5	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				
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
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
40	28	M10	8	150	4.5	20	5.5	520520 520521 520522 520523	
	35			7	20				6.5
	40			10	20				7.5
	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
70	35	M10	9	450	7	35	6.5	520530 520531 520532	
	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	500	17	40	15	520534 520535 520536	
	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.

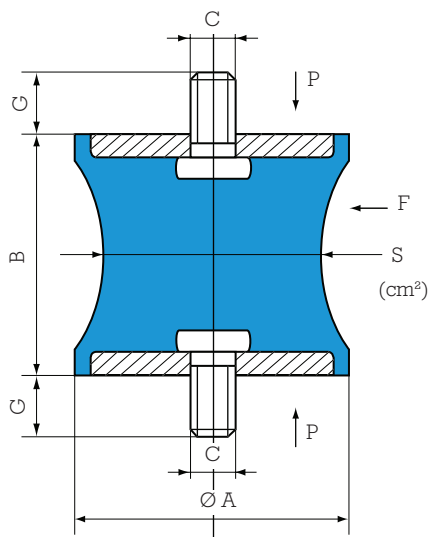
ONE THREADED HOLE



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.

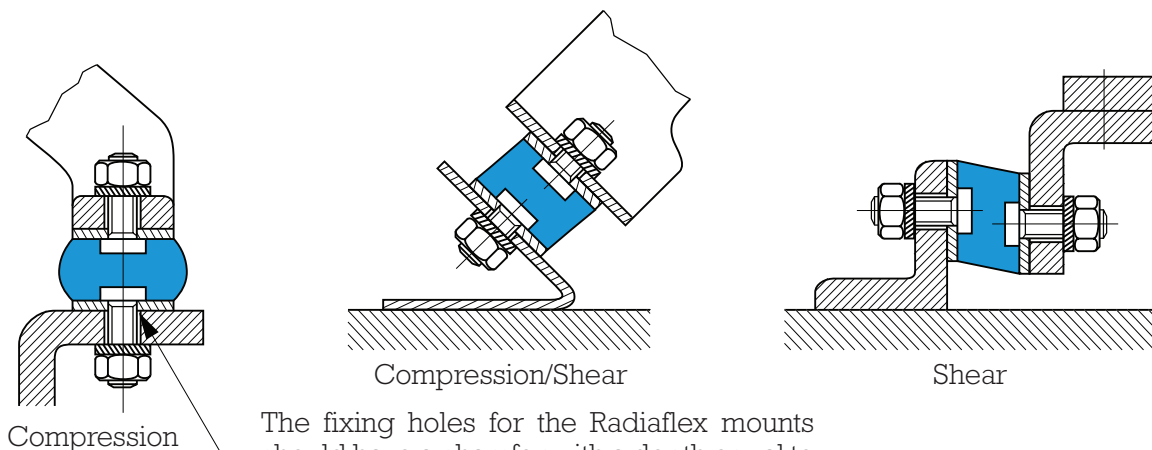
1 kg = 1 daN

* 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