

RADIAFLEX



DESCRIPTION

- Metalwork : Mild steel, plated.
- Natural rubber, bonded, cylindrically shaped.
- Welded fixings: 5 styles (single sided threaded stud, single sided threaded hole, double threaded stud, 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 TRadiaflex 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 :

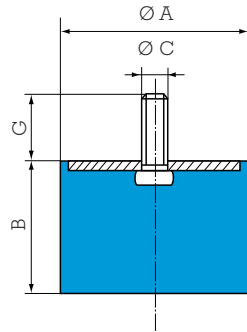
- Simple to fix.
- Simple and economical.
- Extensive range :
 - 11 stud diameters.
 - Several heights for each diameter.
 - 5 methods of fixing.

Recommendations :

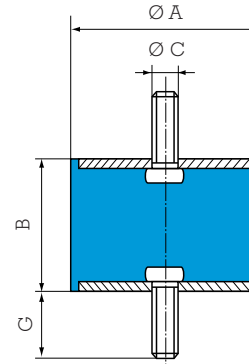
- Operation in shear is very useful for vibration isolation provided that the radial forces are not too great.

DIMENSIONS AND COMPRESSIVE LOADS

SINGLE STUD FIXING



DOUBLE STUDS FIXING



New RADIAFLEX
references

See Vibrachoc elastomer range :
Threaded studs

Ø A mm	B mm	Ø 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	20	2	511292
	15			20	3	511294
20	20		M6	15	4	511296
	25			15	5	511298
25.5	8.5	M6	16.5	40	1.5	511200
	15			35	4	511215
	20			30	5	511220
	25			30	5.5	511225
30	30	M6	18	25	7	511230
	10			80	2	511158
	15			60	3.5	511153
	20			50	5	511159
30	30	M6	18	50	8	511160
	10			80	2	511265
	15			60	3.5	511270
	19			55	4.5	511251
30	22	M8	20	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
	40			60	9	511314
40	30	M8	20	120	7	511157
	40			120	10	511161
	20		M10	160	5	511450
	25			150	6	511401
50	35		M10	120	8	511452
	40			120	10	511454
	45			120	11	511456
50	25		M10	300	6	511525
	35			250	9	511535
	45			190	11	511545
60	22	M10	25	350	3	511601
	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	511801
	30			950	8	511830
	40			600	10	511840
	70			35	17	511870
80	80			450	19	511880

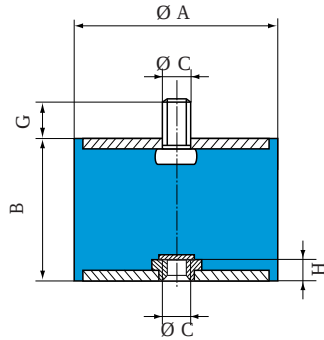
Threaded hole fixing on request (except Ø 12.5).
See current price list for availability of items.

Ø A mm	B mm	Ø 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			10	3	2.5	2	521128
	20			8	3.5	2.5	4	521295
	10		M4	20	1.5	2.5	1.5	521650
16	15				3	2.5	2	521651
	10		M5	20	1.5	2.5	1.5	521292
	15			20	3	2.5	2	521294
20	20		M6	15	4	2.5	4	521296
	25			15	5	2	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
25.5	30	M6	18	25	7	4.5	4.5	521319
	10			80	1.5	8	1.5	521655
	15			60	2.5	8	2.5	521656
	20			50	2	8	4	521652
25.5	30	M6	18	50	7.5	8	6	521653
	10			80	1.5	8	1.5	521340
	15			60	2.5	8	2.5	521341
	22			50	4	8	4	521251
30	25	M8	20	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
	40			60	9	11	7.5	521314
40	30	M8	20	150	6	20	5.5	521181
	40			120	10	20	7.5	521657
	20		M10	160	4	20	3	521450
	28			150	6	20	5.5	521401
50	35		M10	120	8	20	6.5	521452
	40			120	10	20	7.5	521454
	45			120	11	20	9	521456
50	25		M10	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
	70			300	14	35	15	521711
80	40	M12	28	600	9	40	7	521658
	30			45	7	40	5	521803
	30			35	7	40	5	521840
	40			35	9	40	7	521841
80	70	M14	35	500	17	40	15	521842
	80			450	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 : references E3RP.



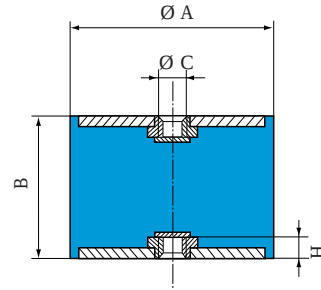
COMBINATION FIXING



Ø A mm	B mm	Ø C mm	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
	15				20	3	2.5	2.5	520054
	10	M5	12	3	20	1.5	2.5	1.5	520010
	15				20	3	2.5	2	520011
	20				15	4	2.5	4	520012
20	15	M6	16.5	4	35	2.5	5	2.5	520015
	20				30	4.5	5	5	520016
	25				30	5.5	4.5	4.5	520017
	30				25	7	4.5	4.5	520018
	30				25	7	4.5	4.5	520018
25.5	15	M6	18	4	60	2.5	8	8.5	520052
	20				50	3.5	8	4	520055
	30				50	7.5	8	6	520057
	22	M8	20	6	50	3.5	8	4	520021
	25				50	5	8	4.5	520022
30	20	M8	25	6	50	7.5	8	6	520023
	30				50	10	6	6	520024
	15				90	3	11	2.5	520025
	22				80	4.5	11	4	520026
	30				70	7.5	11	6	520027
40	30	M8	20	6	60	9	11	7.5	520028
	30				150	4.5	20	5.5	520056
	40				120	10	20	7.5	520058
	20				160	4	20	3	520029
	28				150	5	20	5.5	520030
50	35	M10	25	8	120	7.5	20	6.5	520031
	40				120	10	20	7.5	520032
	45				120	11	20	9	520033
	35				250	8	25	7	520035
	45				190	11	25	9	520036
60	36	M10	25	8	300	8	30	7	520038
	45				250	10	30	9	520039
	35				450	7.5	35	6.5	520040
	50				350	10	35	11	520041
	70				300	14	35	15	520042
80	40	M12	28	10	600	7	10	7	520059
	40				600	8	40	7	520044
	70				500	17	40	15	520045
	80				400	19	40	17	520046
	40				1100	8	60	7	520100
100	55	M16	47	14	900	12	60	10	520101
	80				750	12	60	17	520102
	100				600	23	60	20	520103

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

THREADED HOLE FIXING

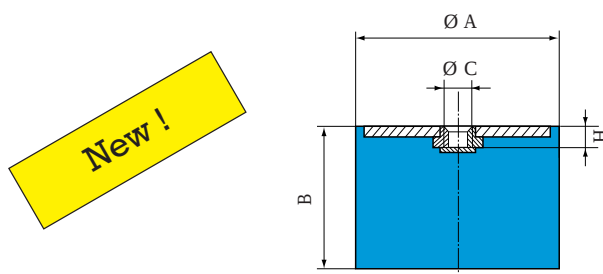


Ø A mm	B mm	Ø C mm	H mm	Compression		Shear*		Ref.
				Max. load daN	Deflect. mm	Max. load daN	Deflect. mm	
16	10	M4	2.5	20	1.5	2.5	1.5	520550
	15			20	3	2.5	2	520551
	10	M5	3	20	1.5	2.5	1.5	520500
	15			20	3	2.5	2	520501
	20			15	4	2.5	4	520502
20	15	M6	4	35	2.5	5	2.5	520505
	20			30	4.5	5	3.5	520506
	25			30	5.5	4.5	4.5	520507
	30			25	7	4.5	4.5	520508
	30			25	7	4.5	4.5	520508
25.5	20	M6	4	50	3	8	4	520554
	30			50	7.5	8	6	520555
	22	M8	6	50	3	8	4	520511
	25			50	4.5	8	4.5	520512
	30			50	7.5	8	6	520513
30	22	M8	6	80	4	11	4	520516
	30			70	7.5	11	6	520517
	40			60	9	11	7.5	520518
	30			150	4.5	20	5.5	520552
	40			120	10	20	7.5	520553
40	28	M10	8	150	4.5	20	5.5	520520
	35			120	7	20	6.5	520521
	40			120	10	20	7.5	520522
	45			120	11	20	9	520523
	45			120	11	20	9	520523
50	35	M10	8	250	7	25	7	520525
	45			190	10	25	9	520526
	36			300	7	30	7	520528
	45			250	9	30	9	520529
	35			450	7	35	6.5	520530
70	50	M10	9	350	9	35	11	520531
	70			300	14	35	15	520532
	40			120	10	20	7.5	520556
	40			600	7	40	7	520534
	70			500	17	40	15	520535
80	80	M14	12	450	19	40	17	520536
	40			1110	8	60	7	520541
	55			900	12	60	10	520542
	60			1100	8	180	10	520545
	75			600	10	140	12	520546
100	80	M16	14	750	19	60	17	520543
	100			600	23	60	20	520547

See current price list for availability of items.

* Shear characteristics are measured under axial load.

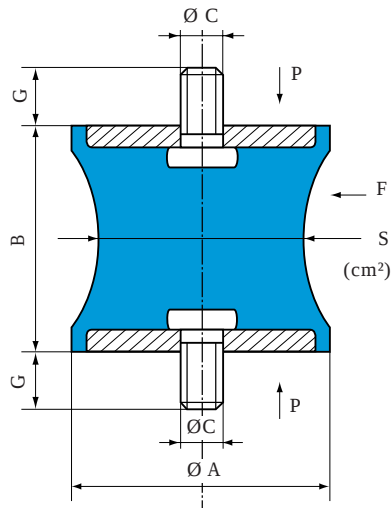
ONE THREADED HOLE



Ø A mm	B mm	Ø C mm	H mm	Compression		Ref.
				Max load daN	Deflect. mm	
16	10	M4	2.5	20	2	511152
	15			20	3	511153
20	15	M6	4	35	4	511154
25,5	15	M6	4	60	3,5	511164
	20			55	5,5	511162
	30			50	8	511163
30	22	M8	6	80	6	511156



DIABOLO MOUNTS



Ø A mm	B mm	Ø C	G mm	S cm²	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

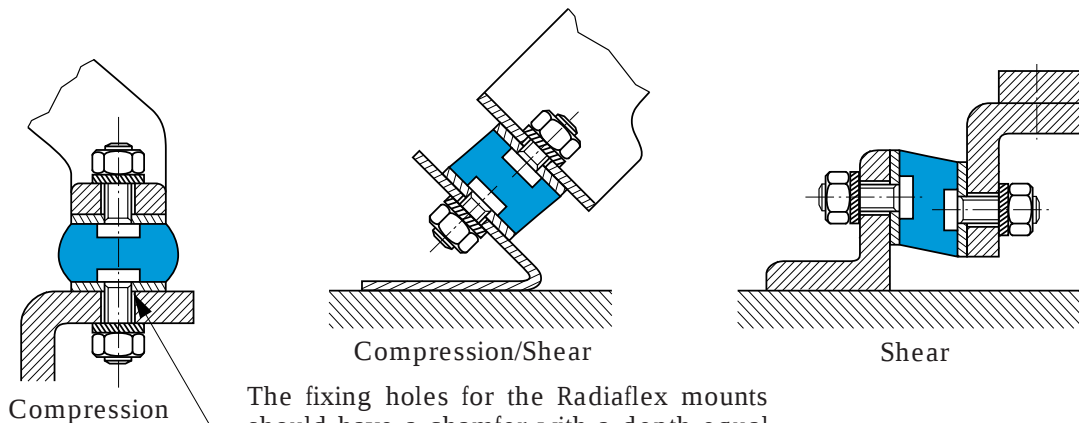
See current price list for availability of items.

* 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	Ø C	Depth of thread mm	S cm²	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



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