

RADI AFLEX



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 TRadialflex 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 RADI AFLEX 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:

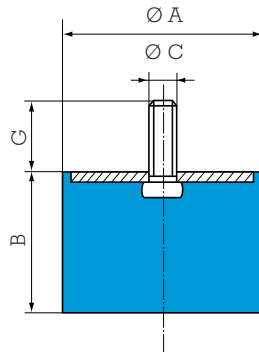
- Simple to fix.
- Simple and economical.
- Extensive range:
 - 13 stud diameters.
 - Several heights for each diameter.
 - 5 methods of fixing.

Recommendations:

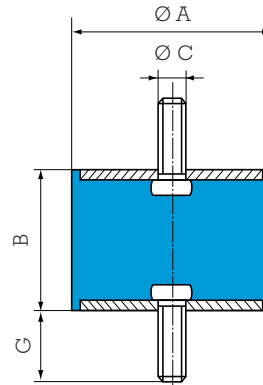
- Operation in shear is very useful for vibration isolation provided that the radial forces are not too great.

DIMENSIONS AND COMPRESSIVE LOADS

SINGLE STUD FIXING



DOUBLE STUDS FIXING



New RADIAFLEX references

Ø A mm	B mm	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
	20			8	3.5	511125
16	10	M4	10	20	2	511150
	15			20	3	511151
	10	M5	12	20	2	511292
	15			20	3	511294
	20			15	4	511296
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
	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
	15		25	90	3.5	511308
	22			80	6	511310
	30			70	8	511312
	40			60	9	511314
30	15	M8	25	90	3.5	511308
	22			80	6	511310
	30			70	8	511312
	40			60	9	511314
	30		20	120	7	511157
	40			120	10	511161
	40			120	10	511161
40	20	M10	25	160	5	511450
	25			150	6	511401
	35			120	8	511452
	40			120	10	511454
	45			120	11	511456
	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
	45			250	11	511645
70	35	M10	25	450	9	511735
	50			350	12	511750
	70			300	14	511770
	70			300	14	511770
80	25	M14	45	1100	6	513801
	30			950	8	511830
	40			600	10	511840
	70			500	17	511870
	70			500	17	511870
	80			450	19	511880
	80			450	19	511880

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

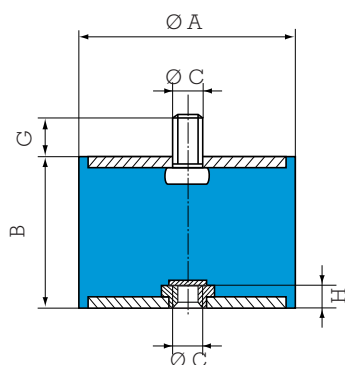
See Vibrachoc elastomer range : Threaded studs

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			3	2.5	2	521128		
	20			8	3.5	2.5	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			3	2.5	2	521294		
	20			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	
	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	
	40			60	9	11	7.5	521314	
	30			M8	20	150	6	20	5.5
40	120	10	20			7.5	521657		
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		
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	
	25			M10	25	400	5	30	4.5
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	
	40			M12	28	600	9	40	7
30	M14	45	950			7	40	5	521803
30			35	950	7	40	5	521840	
40			35	600	9	40	7	521841	
70			35	500	17	40	15	521842	
80			35	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	
	80			750	19	60	17	521910	

*The shear characteristics are measured under Axial Load.

**See VIBRACHOC elastomer range : references E3RP.

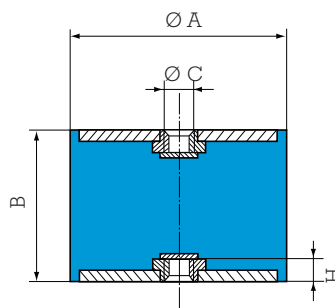
COMBINATION FIXING



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 520054
	15					3		2.5	
	10	M5	12	3	20	1.5	2.5	1.5	520010 520011 520012 520013
	15				20	3	2.5	2	
	20				15	4	2.5	4	
	25				15	5	2	5	
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								
25.5	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				50	7.5	8	6	520023
	40				50	10	6	6	520024
30	15	M8	25	6	90	3	11	2.5	520025
	22				80	4.5	11	4	520026
	30				70	7.5	11	6	520027
	40				60	9	11	7.5	520028
	40								
40	30	M8	20	6	150	4.5	20	5.5	520056
	40				120	10	20	7.5	520058
	20	M10	25	8	160	4	20	3	520029
	28				150	5	20	5.5	520030
	35				120	7.5	20	6.5	520031
	40				120	10	20	7.5	520032
50	35	M10	25	8	250	8	25	7	520035
	45				190	11	25	9	520036
	36				300	8	30	7	520038
	45				250	10	30	9	520039
	45								
70	35	M10	25	9	450	7.5	35	6.5	520040
	50				350	10	35	11	520041
	70				300	14	35	15	520042
	40	M12	28	10	600	8	40	7	520059
	70				600	8	40	7	520044
80	40	M14	35	12	500	17	40	15	520045
	70				400	19	40	17	520046
	80								
	80								
100	40	M16	47	14	1100	8	60	7	520100
	55				900	12	60	10	520101
	80				750	12	60	17	520102
	100				600	23	60	20	520103
	100								

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

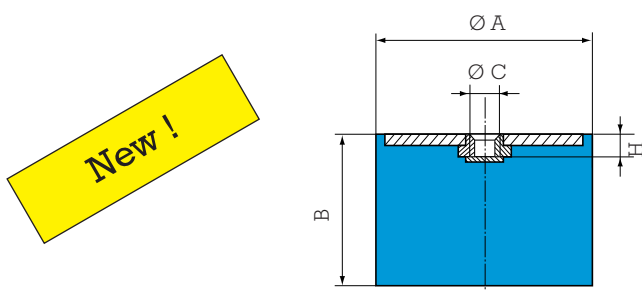
THREADED HOLE FIXING



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 520551
	15			20	3	2.5	2	
	10	M5	3	20	1.5	2.5	1.5	520500 520501 520502 520503
	15			20	3	2.5	2	
	20			15	4	2.5	4	
	25			15	5	2	5	
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							
25.5	20	M6	4	50	3	8	4	520554 520555
	30			50	7.5	8	6	
	22	M8	6	50	3	8	4	520511 520512 520513 520514
	25			50	4.5	8	4.5	
	30			50	7.5	8	6	
	40			50	10	6	6	
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							
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
	45							
70	35	M10	9	450	7	35	6.5	520530
	50			350	9	35	11	520531
	70			300	14	35	15	520532
	40	M12	10	600	7	40	7.5	520556
	70			600	7	40	7	520534
80	40	M14	12	500	17	40	15	520535
	70			450	19	40	17	520536
	80							
	80							
100	40	M16	14	1110	8	60	7	520541
	55			900	12	60	10	520542
	60			1100	8	180	10	520545
	75			600	10	140	12	520546
	80			750	19	60	17	520543
	100			600	23	60	20	520547

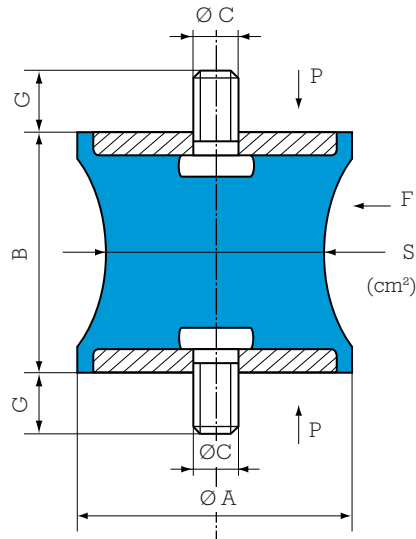
See current price list for availability of items. 1 kg = 1 daN
* Shear characteristics are measured under axial load.

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 511153
	15			20	3	
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.

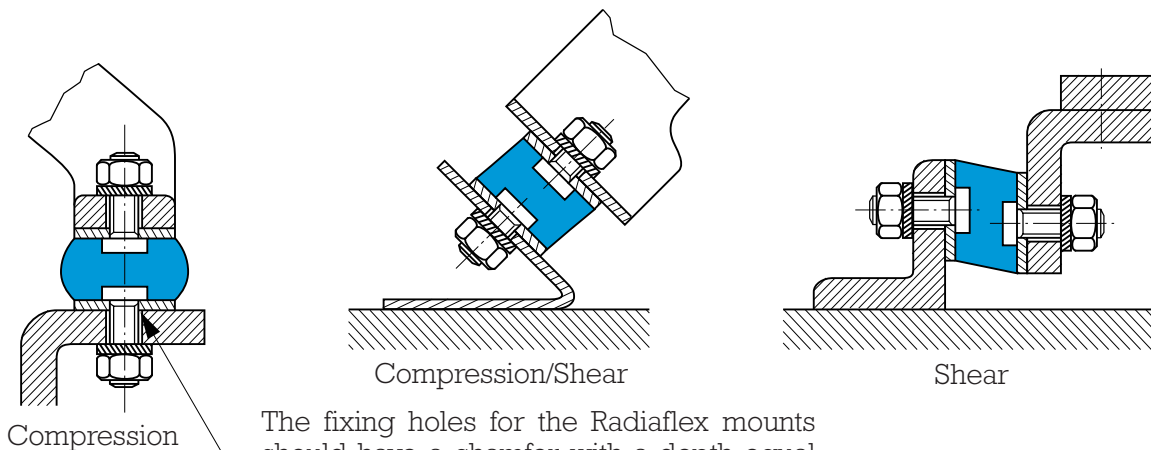
1 kg ≈ 1 daN

* 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	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