

RADI AFLEX®

DESCRIPTION

Metalwork : mild steel, plated.

Natural rubber, bonded, cylindrically shaped.

Welded fixings : 5 styles (single side threaded stud, single side threaded hole, double threaded stud, double threaded hole, combination fixing).

European thread standards are not always consistent with French thread standards so Paulstra has created the Radiaflex® Europe range based on those standards.

The end stop version is now available with a threaded hole in addition to the threaded stud.

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

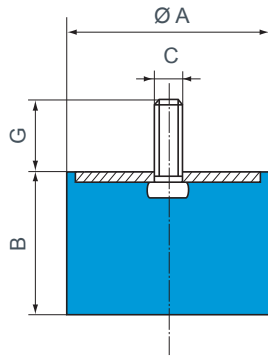
- Simple to fix.
- Simple and economical.
- Extensive range :
 - 15 stud diameters.
 - Several heights for each diameter.
 - 6 methods of fixing.

Recommendations

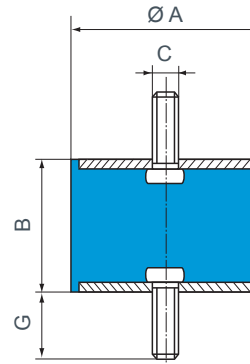
- Operation in shear is very useful for vibration isolation provided that the radial forces are not too great.

DIMENSIONS AND COMPRESSIVE LOADS

Single stud fixing



Double stud fixing



Threaded studs

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	5	M6	10	77	0,6	511206
	8,5			40	1,5	51120011
	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
	5	M8	20	82	0,6	51126550
	10			80	2	511265
	15			60	3,5	511270
	15	M8	12	60	3,5	51127013
	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
	40			60	9	511314
40	30	M8	20	120	7	511157
	40			120	10	511161
	20	M10	25	160	5	511450
	25			150	6	511401
35	120			8	511452	
40	120	10	511454			
45	120	11	511456			
50	25	M10	25	300	6	511525
	35			250	9	511535
	45			190	11	511545
	22			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
75	25	M12	37	600	4,5	511751
80	25	M14	35	1 100	6	513801
	30			950	8	511830
	40			600	10	511840
	70			500	17	511870
	80			450	19	511880

Threaded hole fixing on request (except Ø 12.5).

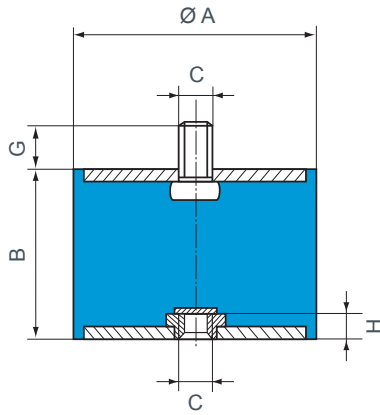
See current price list for availability of items.

* 30 new reference Radiaflex are indicated in red.

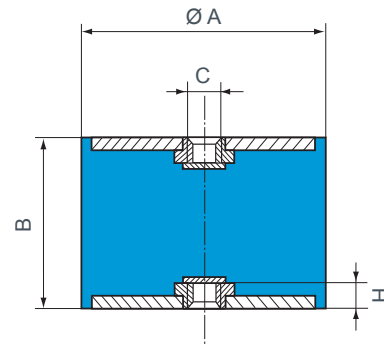
Ø A (mm)	B (mm)	C	G (mm)	Compression		Shear*		Ref.	
				Max. load (daN)	Deflection (mm)	Max. load (daN)	Deflection (mm)		
10	8	M3	6	10	1,6	1,25	0,9		
12	8	M3	6	12	1,2	1,5	0,75		
12,5	10	M5	10	12	2	1,5	1,5	521293	
	15			10	3	2,5	2	521128	
	20			8	3,5	2,5	4	521295	
16	10	M4	10	20	1,5	2,5	1,5	521650	
	15			3	2	521651			
	10	M5	12	20	1,5	2,5	1,5	521292	
	15			20	3	2,5	2	521294	
20	15			4	2,5	4	521296		
25	15	5	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	25	M6	18	40	3,5	9	3,5	521654	
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
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	
40	30	M8	20	150	6	20	5,5	521181	
	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	20	M10	25	300	3	35	3,5	521583	
	25			25	6	25	4,5	521580	
	30			25	190	5	34	6	521584
	35			25	250	8	25	7	521581
	40			28	170	7	34	8,5	521585
	45			25	190	11	25	9	521582
45	M10	15	190	11	25	9	52158215		
50	M10	24	160	9	34	11	521586		
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	
75	25	M12	37	600	4,5	80	5	521712	
	40			35	450	7	80	8,5	521713
	40			35	380	10	80	12	521714
	55			37	380	10	80	12	521714
	40			M12	28	600	9	40	7
80	30	M14	35	45	950	7	40	5	521803
	30			950	7	40	5	521840	
	40			600	9	40	7	521841	
	70			500	17	40	15	521842	
	80			450	19	40	17	521843	
100	40	M16	47	1 100	8	60	7	521908	
	55			900	12	60	10	521909	
	80			750	19	60	17	521910	

* The shear characteristics are measured under axial load.

Combination fixing



Threaded hole fixing



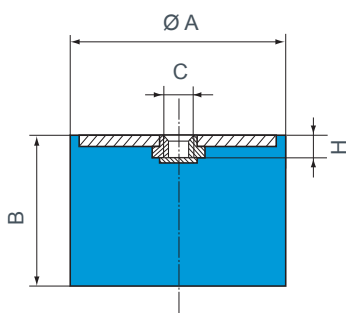
16	10	M4	10	2	20	1,5	2,5	1,5	520053
	15				3	2,5		2,5	
16	10	M5	12	3	20	1,5	2,5	1,5	520010
	15				3	2,5		2	
	20				4	2,5		4	
	25				5	2		5	
20	15	M6	16,5	4	35	2,5	5	2,5	520015
	20				4,5	5		5	
	25				5,5	4,5		4,5	
	30				7	4,5		4,5	
25	25	M6	18	6	40	3,5	9	5	520062
25,5	15	M6	18	4	60	2,5	8	8,5	520052
	20				3,5	8		4	
	30				7,5	8		6	
	50				8	6		6	
25,5	22	M8	20	6	50	3,5	8	4	520021
	25				5	4,5		4,5	
	30				7,5	8		6	
	40				10	6		6	
30	15	M8	25	6	90	3	11	2,5	520025
	22				4,5	11		4	
	30				7,5	11		6	
	40				9	11		7,5	
40	30	M8	20	6	150	4,5	20	5,5	520056
	40				10	20		7,5	
	20				4	20		3	
	28				5	20		5,5	
40	35	M10	25	8	120	7,5	20	6,5	520030
	40				10	20		7,5	
	45				11	20		9	
	120				11	20		9	
50	45	M10	15	8	190	11	25	9	520036/15
	20				3	35		9,8	
	30				5	34		9,8	
	35				8	25		7	
50	40	M10	28	8	250	8	25	7	520035
	45				7	34		8,5	
	25				11	25		9	
	50				9	34		11	
60	36	M10	25	8	300	8	30	7	520038
	45				10	30		9	
70	35	M10	25	9	450	7,5	35	6,5	520040
	50				10	35		11	
	70				14	35		15	
75	40	M12	35	8	450	7	80	8,5	520070
75	45	M12	30	10	400	7	80	9	520071
	55				10	80		12	520072
80	40	M12	28	10	600	8	40	7	520059
	40				8	40		7	
	70				17	40		15	
	80				19	40		17	
100	40	M16	47	14	1 100	8	60	7	520100
	55				12	60		10	
	80				19	60		17	
	100				23	60		20	

16	10	M4	2,5	20	20	1,5	2,5	1,5	520550	
	15				3	2,5		2		
	20				4	2,5		4		
	25				5	2		5		
20	15	M5	3	20	15	1,5	2,5	1,5	520501	
	20				3	2,5		2		
	25				4	2,5		4		
	15				5	2		5		
20	15	M6	4	35	2,5	5	2,5	2,5	520505	
	20				4,5			5	3,5	
	25				5,5			4,5	4,5	
	30				7			4,5	4,5	
25,5	20	M6	4	50	3	8	8	4	520554	
	30				7,5			8	6	
	22				50			3	8	4
	25				50			4,5	8	4,5
25,5	30	M8	6	50	7,5	8	6	6	520513	
	40				10			6	6	
	50				10			6	6	
	50				10			6	6	
30	22	M8	6	80	4	11	11	4	520516	
	30				7,5			11	6	
	40				9			11	7,5	
40	30	M8	6	150	4,5	20	20	5,5	520552	
	40				10			20	7,5	
	28				150			4,5	20	5,5
	35				120			7	20	6,5
40	40	M10	8	120	10	20	20	7,5	520523	
	45				11			20	9	
	120				10			20	7,5	
	120				11			20	9	
50	35	M10	8	250	7	25	25	7	520525	
	45				10			25	9	
	190				7			25	7	
	190				10			25	9	
50	30	M10	10	190	5	34	34	6	520524	
	40				7			34	8,5	
	50				9			34	11	
60	36	M10	8	300	7	30	30	7	520528	
	45				9			30	9	
70	35	M10	9	450	7	35	35	6,5	520530	
	50				9			35	11	
	70				14			35	15	
75	40	M12	13	450	7	80	80	8,5	520558	
	55				10			80	12	
80	40	M12	10	600	7	40	40	7,5	520556	
	40				7			40	7	
	70				17			40	15	
80	40	M14	12	600	7	19	40	17	520536	
	70				17			40	15	
	80				19			40	17	
100	40	M16	14	1 110	8	60	60	7	520541	
	55				12			60	10	
	60				8			180	10	
	75				10			140	12	
	80				19			60	17	
100	23	60	20							

* 30 new reference Radiaflex are indicated in red.

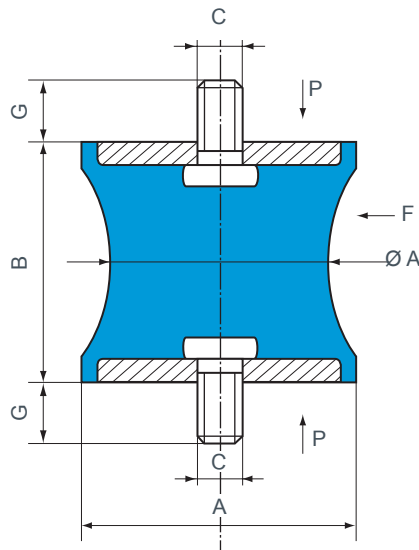
Ø 16 mounts with threaded holes are fitted with RAPID nuts.
Maximum torque 1.8 m.N.

One threaded hole



16	10	M4	2,5	20	2	3	511152
	15				3		
20	15	M6	4	35	4	511154	
	25,5				3,5		
25,5	15	M6	4	60	5,5	511164	
	20				8		
	30				8		
30	22	M8	6	80	6	511156	
	40				5		
40	28	M8	7	110	7,5	511178	
	40				5		
50	20	M10	10	343	3,4	511168	
	30				5		
	40				7		
60	25	M10	8	400	6	511182	
	45				11		
75	25	M12	12	600	4,5	511184	
	40				7		
75	40	M12	10	450	7	511185	
	80				7		

Diabolo mounts



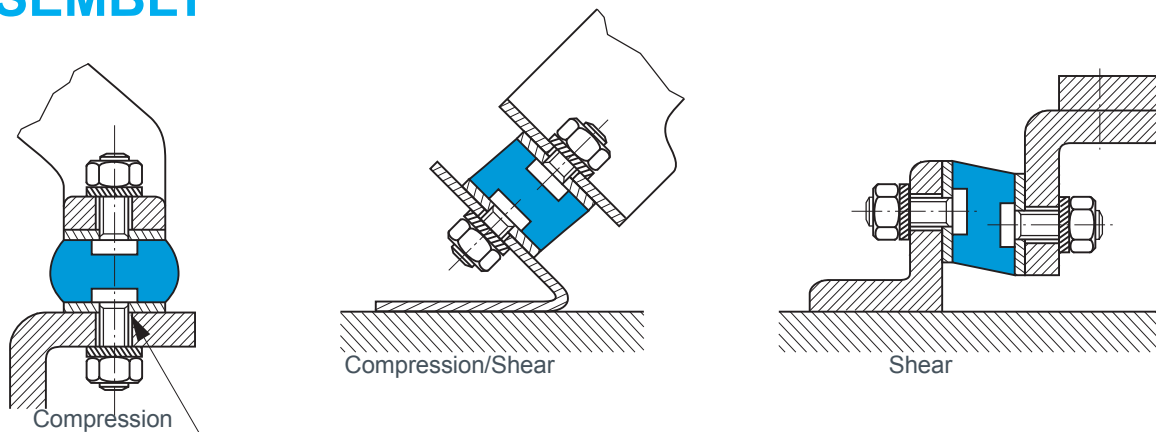
Ø A (mm)	B (mm)	C	G (mm)	Ø S (mm)	Compression (P)		Shear* (F)		Ref.
					Max. load (daN)	Deflection (mm)	Max. load (daN)	Deflection (mm)	
12,5	14	M5	10	5	3	1,4	0,5	1,2	521300
20	19	M6	16,5	13	12	2,5	3	5	521201
40	28	M10	25	18	30	5	2,5	4,5	521403
57	44	M8	20	22	40	5	7	5	521571
57	44	M8	20	31	75	5	12	6	521572
60	60	M10	25	44	150	8	30	10	521602
80	70	M14	35	62	300	9,5	55	9,5	521801
95	76	M16	45	71	400	9,5	70	8	521951

See current price list for availability of items.

Ø A (mm)	B (mm)	C	G (mm)	Ø S (mm)	Compression (P)		Shear* (F)		Ref.
					Max. load (daN)	Deflection (mm)	Max. load (daN)	Deflection (mm)	
80	60	M14	15,5	62	250	5	70	8	521802

* Shear characteristics' are measured under axial load.

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