



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

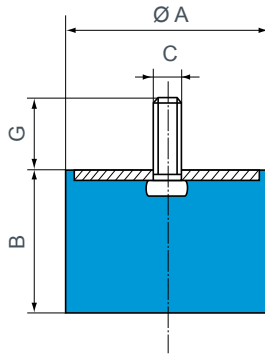
- Simple to fix.
- Simple and economical.
- Extensive range :
 - 13 stud diameters.
 - Several heights for each diameter.
 - 5 methods of fixing.

Recommendations

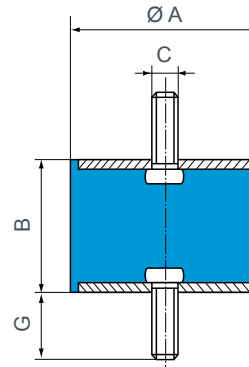
- Operation in shear is very useful for vibration isolation provided that the radial forces are not too great.

DIMENSIONS AND COMPRESSIVE LOADS

Single stud fixing



Double stud fixing



Threaded studs

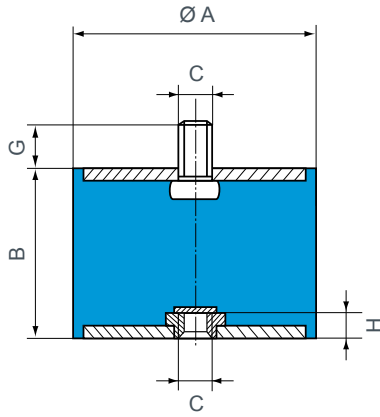
Ø A (mm)	B (mm)	C	G (mm)	Compression		Ref.
				Max. load (daN)	Deflection (mm)	
12,5	10	M5	10	12	2	511110 511128 511115 511125
	13,5			2,5		
	15			3		
	20			3,5		
16	10	M4	10	20	2	511150 511151
	15			3		
	10	M5	12	20	2	511292 511294 511296 511298
	15			3		
20	4					
25	5					
20	5	M6	10	77	0,6	511206 511200/11
	8,5			1,5		
	8,5	M6	16,5	40	1,5	511200 511215 511220 511225 511230
	15			4		
	20			5		
	25			5,5		
30	7					
25,5	10	M6	18	80	2	511158 511155 511159 511160
	15			3,5		
	20			5		
	30			8		
	5	M8	20	82	0,6	511265/50 511265 511270
	10			2		
	15			3,5		
	15	M8	12	60	3,5	511270/13
	19			4,5	511251 511275 511280 511285 511290	
	22			5,5		
25	6					
30	8					
40	10					
30	15	M8	25	90	3,5	511308 511310 511312 511314
	22			6		
	30			8		
	40			9		
40	30	M8	20	120	7	511157 511161
	40			10		
40	20	M10	25	160	5	511450 511401 511452 511454 511456
	25			6		
	35			8		
	40			10		
	45			11		
50	25	M10	25	300	6	511525 511535 511545
	35			9		
	45			11		
60	22	M10	25	350	3	513601 511625 511635 511645
	25			6		
	36			9		
	30			9		
	45			11		
70	35	M10	25	450	9	511735 511750 511770
	50			12		
	70			14		
80	25	M14	45	1 100	6	513801 511830 511840 511870 511880
	30			8		
	40			10		
	70			17		
	35			500		
	40			450		

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

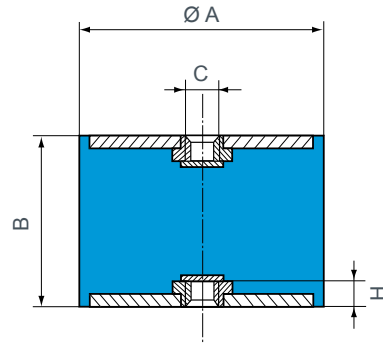
Ø A (mm)	B (mm)	C	G (mm)	Compression		Shear*		Ref.
				Max. load (daN)	Deflection (mm)	Max. load (daN)	Deflection (mm)	
10	8	M3	6	10	1,6	1,25	0,9	voir p. 115
12	8	M3	6	12	1,2	1,5	0,75	voir p. 115
12,5	10	M5	10	12	2	1,5	1,5	521293 521128 521295
	15			3	2,5	2		
	20			3,5	2,5	4		
16	10	M4	10	20	1,5	2,5	1,5	521650 521651
	15			3	2,5	2		
	10	M5	12	20	1,5	2,5	1,5	521292 521294 521296 521298
	15			3	2,5	2		
20	4			2,5	4			
25	5	2	5					
20	8,5	M6	16,5	40	0,6	5	1	521178 521249 521297 521299 521319
	15			3	5	2,5		
	20			4,5	5	3,5		
	25			5,5	4,5	4,5		
	30			7	4,5	4,5		
	30			7	4,5	4,5		
25,5	10	M6	18	80	1,5	8	1,5	521655 521656 521652 521653
	15			2,5	8	2,5		
	20			2	8	4		
	30			7,5	8	6		
	50			7,5	8	6		
25,5	10	M8	20	80	1,5	8	1,5	521340 521341 521251 521342 521343 521344
	15			2,5	8	2,5		
	22			4	8	4		
	25			5,5	8	4,5		
	30			5	8	6		
	30			7,5	8	6		
	40			10	6,5	6		
30	15	M8	25	90	3	11	2,5	521308 521310 521312 521314
	22			5	11	4		
	30			8	11	6		
	30			8	11	6		
	40			9	11	7,5		
40	30	M8	20	150	6	20	5,5	521181 521657
	40			10	20	7,5		
	28			4	20	3	521450 521401 521452 521454 521456	
	20			6	20	5,5		
	35			8	20	6,5		
40	10	20	7,5					
45	11	20	9					
50	25	M10	25	300	6	25	4,5	521580 521581 521582
	35			8	25	7		
	45			11	25	9		
	45			11	25	9		
50	45	M10	15	190	11	25	9	521582/15
	45			11	25	9		
60	25	M10	25	400	5	30	4,5	521601 521603 521641
	36			8	30	7		
	45			11	30	9		
70	35	M10	25	450	8	35	6,5	521705 521710 521711
	50			11	35	11		
	50			11	35	11		
	70			14	35	15		
80	40	M12	28	600	9	40	7	521658
	30			7	40	5	521803 521840 521841 521842 521843	
	30			7	40	5		
	40			9	40	7		
	70			17	40	15		
	80			19	40	17		
100	40	M16	47	1 100	8	60		7
	55			12	60	10		
	900			12	60	10		
	750			19	60	17		

* The shear characteristics are measured under axial load.

Combination fixing



Threaded hole fixing



Ø A (mm)	B (mm)	C	G (mm)	H (mm)	Compression		Shear*		Ref.		
					Maxi. load (daN)	Deflection (mm)	Max. load (daN)	Deflection (mm)			
16	10	M4	10	2	20	1,5	2,5	1,5	520053		
	15				3	2,5	2,5	520054			
	10	M5		3	20	1,5	2,5	1,5	520010		
	15				3	2,5	2	520011			
	20				4	2,5	4	520012			
25	5	2	5		520013						
20	15	M6	16,5		4	35	2,5	5	2,5	520015	
20	4,5			5		5	520016				
25	5,5			4,5		4,5	520017				
30	7			4,5		4,5	520018				
25,5	15	M6		18	4	60	2,5	8	8,5	520052	
	20		3,5			4	4	520055			
	30		7,5			8	6	520057			
	22	M8	20			6	50	3,5	8	4	520021
	25				5		8	4,5	520022		
30	7,5			8	6		520023				
40	10	6		6	520024						
30	15	M8		25	6	90	3	11	2,5	520025	
	22		4,5			11	4	520026			
	30		7,5			11	6	520027			
	40		9			11	7,5	520028			
	60		9			11	7,5	520028			
40	30	M8	20	6	150	4,5	20	5,5	520056		
	40				10	20	7,5	520058			
	20	M10		25	8	160	4	20	3	520029	
	28					5	20	5,5	520030		
	35					7,5	20	6,5	520031		
40	10		20			7,5	520032				
45	11	20	9			520033					
50	45	M10	15	8	190	11	25	9	520036/15		
	35				8	25	7	520035			
60	45	M10	25	8	250	11	25	9	520036		
	36				M10	25	8	300	8	30	7
70	45	M10	25	8				250	10	30	9
	35				M10	25	9	450	7,5	35	6,5
50	10	35	11	520041							
70	14	35	15	520042							
80	40	M12	28	10	600		8	40	7	520059	
	40				M14		35	12	600	8	40
	70	17				40			15	520045	
	80	19				40			17	520046	
100	40	M16	47	14	1100	8			60	7	520100
	55				12	60	10	520101			
	80				19	60	17	520102			
	80				23	60	20	520103			
	100				23	60	20	520103			

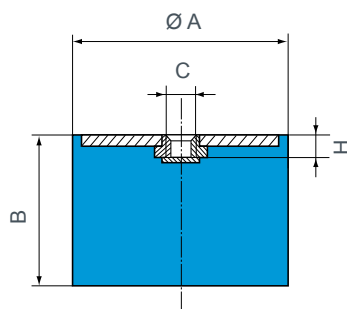
Ø A (mm)	B (mm)	C	H (mm)	Compression		Shear*		Ref.			
				Maxi. load (daN)	Deflection (mm)	Max. load (daN)	Deflection (mm)				
16	10	M4	2,5	20	1,5	2,5	1,5	520550			
	15			3	2,5	2	520501				
	10	M5		3	20	1,5	2,5	1,5	520500		
	15				3	2,5	2	520501			
	20				4	2,5	4	520502			
25	5	2	5		520503						
20	15	M6	4		4	35	2,5	5	2,5	520505	
20	4,5			5		3,5	520506				
25	5,5			4,5		4,5	520507				
30	7			4,5		4,5	520508				
25,5	20	M6		4	4	50	3	8	4	520554	
	30		7,5			8	6	520555			
	22	M8	6			6	50	3	8	4	520511
	25						4,5	8	4,5	520512	
	30				7,5		8	6	520513		
40	10	6		6	520514						
30	22	M8		6	6	80	4	11	4	520516	
	30		7,5			11	6	520517			
	40		9			11	7,5	520518			
40	30	M8	6	6	150	4,5	20	5,5	520552		
	40				10	20	7,5	520553			
40	28	M10	8	8	150	4,5	20	5,5	520520		
	35				7	20	6,5	520521			
	40				10	20	7,5	520522			
	45				11	20	9	520523			
	50	35		M10	8	8	250	7	25	7	520525
45	10	25	9				520526				
60	36	M10	8	8	300	7	30	7	520528		
	45				9	30	9	520529			
70	35	M10	9	9	450	7	35	6,5	520530		
	50				9	35	11	520531			
	70				14	35	15	520532			
80	40	M12	10	10	600	7	40	7,5	520556		
	40				M14	12	12	600	7	40	7
	70	17						40	15	520535	
80	80	19	40	17	520536						
100	40	M16	14	14	1110	8	60	7	520541		
	55				12	60	10	520542			
	60				8	180	10	520545			
	75				10	140	12	520546			
	80				19	60	17	520543			
100	23	60	20	520547							

See current price list for availability of items.

* Shear characteristics are measured under axial load.

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

One threaded hole



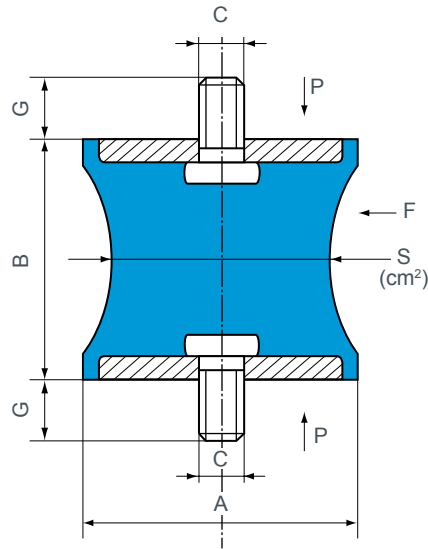
Ø A (mm)	B (mm)	C	H (mm)	Compression		Ref.
				Maxi. load (daN)	Deflection (mm)	
16	10	M4	2,5	20	2	511152
	15			3	511153	
20	15	M6	4	35	4	511154
25,5	15	M6	4	60	3,5	511164
	20			5,5	511162	
	30			8	511163	
30	22	M8	6	80	6	511156
50	20	M10	10	343	3,4	511168



HUTCHINSON
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Diabolo mounts



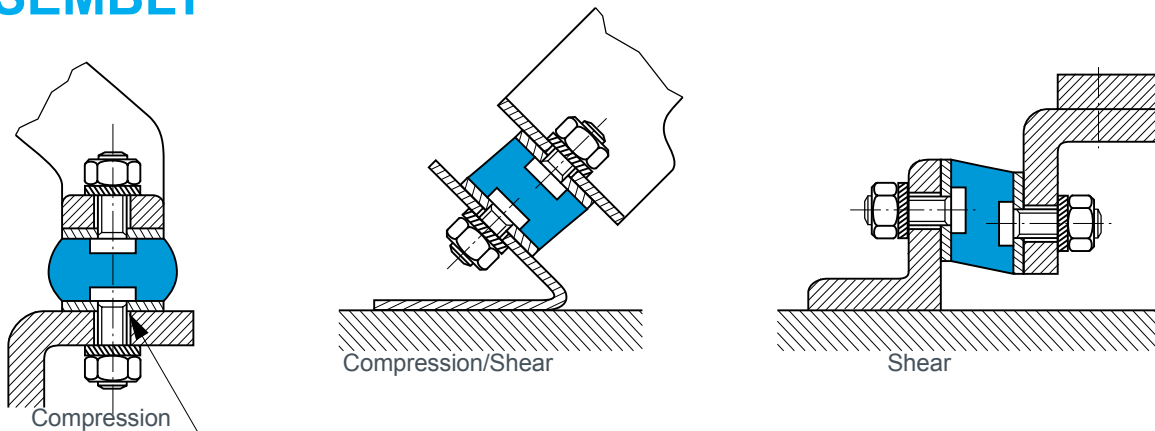
Ø A (mm)	B (mm)	C	G (mm)	S (cm ²)	Compression (P)		Shear* (F)		Ref.
					Max. load (daN)	Deflection (mm)	Max. load (daN)	Deflection (mm)	
12,5	14	M5	10	0,3	3	1,4	0,5	1,2	521300
20	19	M6	16,5	1,6	12	2,5	3	5	521201
40	28	M10	25	3,1	30	5	2,5	4,5	521403
57	44	M8	20	5	40	5	7	5	521571
57	44	M8	20	9,5	75	5	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.

Ø A (mm)	B (mm)	C	G (mm)	S (cm ²)	Compression (P)		Shear* (F)		Ref.
					Max. load (daN)	Deflection (mm)	Max. load (daN)	Deflection (mm)	
80	60	M14	15,5	38,5	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