

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:

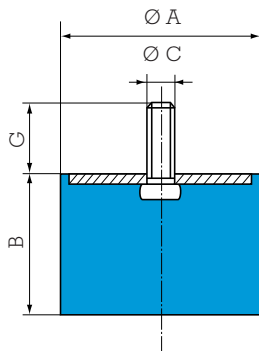
- Simple to fix.
- Simple and economical.
- Extensive range:
 - 13 stud diameters.
 - Several heights for each diameter.
 - 5 methods of fixing.

Recommendations:

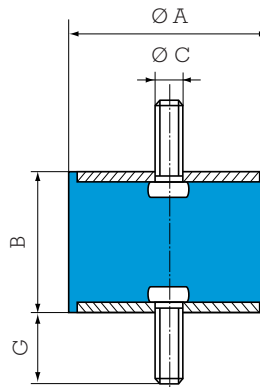
- Operation in shear is very useful for vibration isolation provided that the radial forces are not too great.

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
16	10	M4	10	20	2	511150
	15			3	511151	
	15	M5	12	20	2	511292
	20			3	511294	
20	15	4	511296			
25	15	5	511298			
20	8.5	M6	16.5	40	1.5	511200
	15			4	511215	
	20			5	511220	
	25			5.5	511225	
	30			7	511230	
25.5	10	M6	18	80	2	511158
	15			3.5	511155	
	20			5	511159	
	30			8	511160	
	10	M8	20	80	2	511265
	15			3.5	511270	
19	4.5	511251				
22	5.5	511275				
25	6	511280				
30	8	511285				
40	10	511290				
30	15	M8	25	90	3.5	511308
	22			6	511310	
	30			8	511312	
	30			8	511312	
	40			9	511314	
40	30	M8	20	120	7	511157
	40			10	511161	
	20	M10	25	160	5	511450
	25			6	511401	
	35			8	511452	
	40			10	511454	
45	12	511456				
50	25	M10	25	300	6	511525
	35			9	511535	
	45			11	511545	
60	22	M10	25	350	3	513601
	25			6	511625	
	36			9	511635	
	45			11	511645	
70	35	M10	25	450	9	511735
	50			12	511750	
	70			14	511770	
80	25	M14	45	1100	6	513801
	30			8	511830	
	40			10	511840	
	70			17	511870	
	80			19	511880	

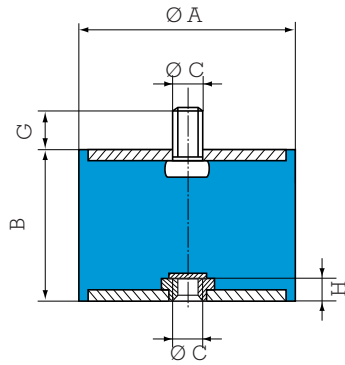
Threaded hole fixing on request (except Ø 12.5).
See current price list for availability of items.

See Vibrachoc elastomer range : Threaded studs

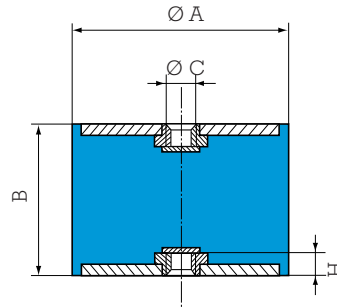
Ø A mm	B mm	Ø C	G mm	Compression		Shear*		Ref.
				Max. load daN	Deflect mm	Max. load daN	Deflect mm	
10	8	M3	6	10	1.6	1.25	0.9	**
12	8	M3	6	12	1.2	1.5	0.75	**
12.5	10	M5	10	12	2	1.5	1.5	521293
	15			3	2.5	2	521128	
	20			8	2.5	4	521295	
16	10	M4	10	20	1.5	2.5	1.5	521650
	15			3	2	521651		
	10	M5	12	20	1.5	2.5	1.5	521292
	15			3	2.5	2	521294	
20	15	4	2.5	4	521296			
25	15	5	5	5	521298			
20	8.5	M6	16.5	40	0.6	5	1	521178
	15			3	5	2.5	521249	
	20			4.5	5	3.5	521297	
	25			5.5	4.5	4.5	521299	
	30			7	4.5	4.5	521319	
25.5	10	M6	18	80	1.5	8	1.5	521655
	15			2.5	8	2.5	521656	
	20			2	8	4	521652	
	30			7.5	8	6	521653	
	10	M8	20	80	1.5	8	1.5	521340
	15			2.5	8	2.5	521341	
22	4	8	4	521251				
25	5.5	8	4.5	521342				
30	7.5	8	6	521343				
40	10	6.5	6	521344				
30	15	M8	25	90	3	11	2.5	521308
	22			5	11	4	521310	
	30			8	11	6	521312	
	30			8	11	6	521312	
	40			9	11	7.5	521314	
40	30	M8	20	150	6	20	5.5	521181
	40			10	20	7.5	521657	
	20	M10	25	160	4	20	3	521450
	28			6	20	5.5	521401	
	35			8	20	6.5	521452	
	40			10	20	7.5	521454	
50	25	M10	25	200	4	25	4.5	521580
	35			7	25	7	521581	
	45			9	25	9	521582	
60	25	M10	25	400	5	30	4.5	521601
	36			8	30	7	521603	
	45			11	30	9	521641	
70	35	M10	25	450	8	35	6.5	521705
	50			11	35	11	521710	
	70			14	35	15	521711	
	40			M12	28	600	9	40
30	M14	35	950			7	40	5
30			7	40	5	521840		
40			9	40	7	521841		
70			17	40	15	521842		
80	19	40	17	521843				
80	40	M16	47	1100	8	60	7	521908
	55			12	60	10	521909	
	70			19	60	17	521910	
	80			19	60	17	521910	

*The shear characteristics are measured under Axial Load.
**See VIBRACHOC elastomer range : references E3RP.

COMBINATION FIXING



THREADED HOLE FIXING



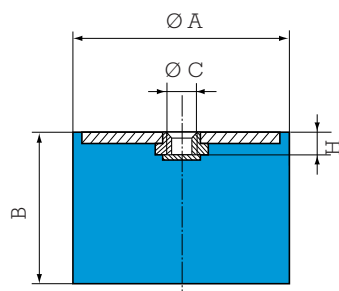
Ø A mm	B mm	Ø C mm	G mm	H mm	Compression		Shear*		Ref.
					Max. load daN	Deflect. mm	Max. load daN	Deflect. mm	
16	10	M4	10	2	20	1.5	2.5	1.5	520053 520054
	15				3	2.5			
	10	M5	12	3	20	1.5	2.5	1.5	520010 520011 520012 520013
	15				3	2.5	2		
	20				4	2.5	4		
25	5				2	5			
20	15	M6	16.5	4	35	2.5	5	2.5	520015 520016 520017 520018
	20				4.5	5	5		
	25				5.5	4.5	4.5		
	30				7	4.5	4.5		
	25.5				15	M6	18	4	
20	3.5	8	4						
30	7.5	8	6						
40	10	6	6						
25.5	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	
22		4.5	11	4					
30		7.5	11	6					
40		9	11	7.5					
40		30	M8	20	6				150
	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
	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		
	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	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			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		
	25.5			20	M6	4	50	
30	7.5	8	6					
25.5	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	
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		
	28	M10	8	150	4.5	20	5.5	520520 520521 520522 520523
	35			7	20	6.5		
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
	40	M14	12	600	7	40	7	520534 520535 520536
	70			17	40	15		
	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		

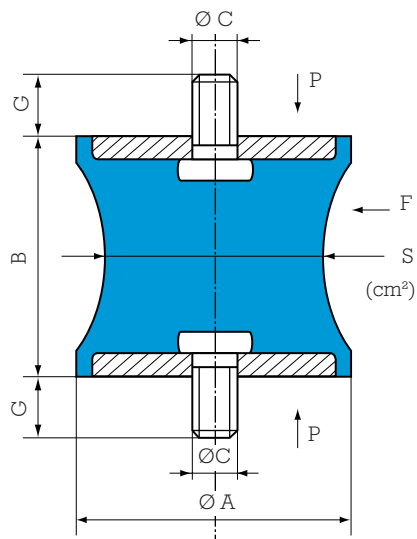
See current price list for availability of items. 1 kg = 1 daN
* Shear characteristics are measured under axial load.

ONE THREADED HOLE



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
				20	3	
20	15	M6	4	35	4	511154
25.5	15	M6	4	60	3.5	511164 511162 511163
	20			5.5	8	
	30			8	8	
30	22	M8	6	80	6	511156

DIABOLO MOUNTS



Ø A mm	B mm	Ø C	G mm	S cm ²	Compression		Shear*		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.

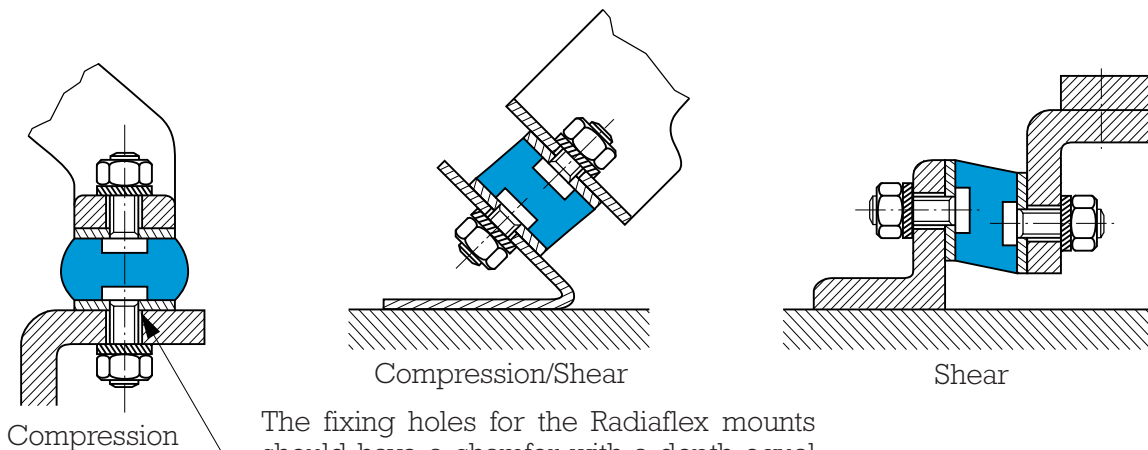
1 kg ≈ 1 daN

* 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 cm ²	Compression		Shear*		Ref.
					Max Load daN	Deflection mm	Max Load daN	Deflection 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