RADIAFLEX ®



DESCRIPTION

- Metalwork : mild steel, plated.
- Natural rubber, bonded, cylindrically shaped.
- Fixing by screws, nuts or mixed.

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 RADIAFLEX® mount gives the following basic characteristics:

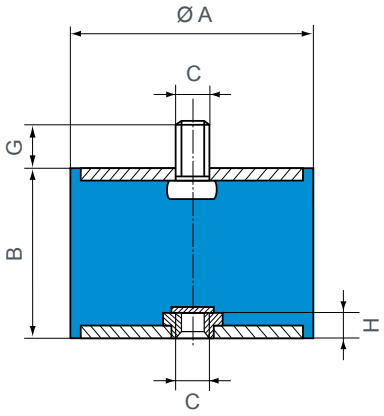
- radial elasticity greater than axial elasticity.
- the rubber works in :
  - compression (axial),
  - shear (radial),
  - compression/shear according to the fixing method.

Advantages

- Simple to fix.
- Simple and economical.
- Extensive range

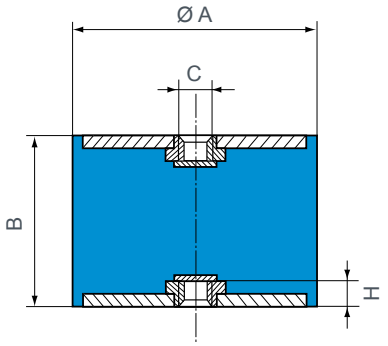
DIMENSIONS AND COMPRESSIVE LOADS

Combination fixing



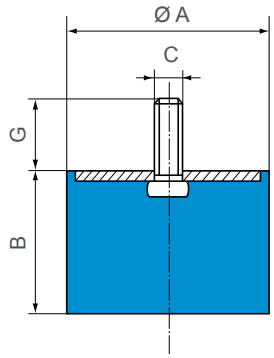
Ø A (mm)	B (mm)	C	G (mm)	H (mm)	Compression		Shear*		Ref.
					Max. load (daN)	Deflec-tion (mm)	Max. load (daN)	Deflec-tion (mm)	
16	10 15	M4	10	2	20	1,5 3	2,5	1,5 2,5	**520053** **520054**
	10 15 20 25	M5	12	3	20 20 15 15	1,5 3 4 5	2,5 2,5 2,5 2	1,5 2 4 5	**520010** **520011** **520012** **520013**
20	15 20 25 30	M6	16,5	4	35 30 30 25	2,5 4,5 5,5 7	5 5 4,5 4,5	2,5 5 4,5 4,5	**520015** **520016** **520017** **520018**
25	25	M6	18	6	40	3,5	9	5	**520062**
25,5	15 20 30	M6	18	4	60 50 50	2,5 3,5 7,5	8 8 8	8,5 4 6	**520052** **520055** **520057**
	22 25 30 40	M8	20	6	50 50 50 50	3,5 5 7,5 10	8 8 8 6	4 4,5 6 6	**520021** **520022** **520023** **520024**
30	15 22 30 40	M8	25	6	90 80 70 60	3 4,5 7,5 9	11 11 11 11	2,5 4 6 7,5	**520025** **520026** **520027** **520028**
40	30 40	M8	20	6	150 120	4,5 10	20 20	5,5 7,5	**520056** **520058**
	20 28 35 40 45	M10	25	8	160 150 120 120 120	4 5 7,5 10 11	20 20 20 20 20	3 5,5 6,5 7,5 9	**520029** **520030** **520031** **520032** **520033**
50	45	M10	15	8	190	11	25	9	**520036/15**
	20 30 35 40 45	M10	28 28 25 28 25	8	300 190 250 170 190	3 5 8 7 11	35 34 25 34 25	9,8 9,8 7 8,5 9	**520047** **520048** **520035** **520063** **520036**
	50	M10	28	10	160	9	34	11	**520061**
60	36 45	M10	25	8	300 250	8 10	30 30	7 9	**520038** **520039**
70	35 50 70	M10	25	9	450 350 300	7,5 10 14	35 35 35	6,5 11 15	**520040** **520041** **520042**
75	40	M12	35	8	450	7	80	8,5	**520070**
75	45 55	M12	30 30	10	400 380	7 10	80 80	9 12	**520071** **520072**
80	40	M12	28	10	600	8	40	7	**520059**
	40 70 80	M14	35	12	600 500 450	8 17 19	40 40 40	7 15 17	**520044** **520045** **520046**
100	40 55 80 100	M16	47	14	1 100 900 750 600	6 12 19 18	60 60 60 60	7 10 17 20	**520100** **520101** **520102** **520103**

2 threaded holes



Ø A (mm)	B (mm)	C	H (mm)	Compression		Shear*		Ref.
				Max. load (daN)	Deflec-tion (mm)	Max. load (daN)	Deflec-tion (mm)	
16	10 15	M4	2,5	20 20	1,5 3	2,5 2,5	1,5 2	**520550** **520551**
	10 15 20 25	M5	3	20 20 15 15	1,5 3 4 5	2,5 2,5 2,5 2	1,5 2 4 5	**520500** **520501** **520502** **520503**
20	15 20 25 30	M6	4	35 30 30 25	2,5 4,5 5,5 7	5 5 4,5 4,5	2,5 3,5 4,5 4,5	**520505** **520506** **520507** **520508**
25,5	20 30	M6	4	50 50	3 7,5	8 8	4 6	**520554** **520555**
	22 25 30 40	M8	6	50 50 50 50	3 4,5 7,5 10	8 8 8 6	4 4,5 6 6	**520511** **520512** **520513** **520514**
30	22 30 40	M8	6	80 70 60	4 7,5 9	11 11 11	4 6 7,5	**520516** **520517** **520518**
40	30 40	M8	6	150 120	4,5 10	20 20	5,5 7,5	**520552** **520553**
	28 35 40 45	M10	8	150 120 120 120	4,5 7 10 11	20 20 20 20	5,5 6,5 7,5 9	**520520** **520521** **520522** **520523**
50	35 45	M10	8	250 190	7 10	25 25	7 9	**520525** **520526**
50	30 40 50	M10	10	190 170 160	5 7 9	34 34 34	6 8,5 11	**520524** **520527** **520533**
60	36 45	M10	8	300 250	7 9	30 30	7 9	**520528** **520529**
70	35 50 70	M10	9	450 350 300	7 9 14	35 35 35	6,5 11 15	**520530** **520531** **520532**
75	40 55	M12	13	450 380	7 10	80 80	8,5 12	**520558** **520557**
80	40	M12	10	600	7	40	7,5	**520556**
	40 70 80	M14	12	600 500 450	7 17 19	40 40 40	7 15 17	**520534** **520535** **520536**
100	40 55 60 75 80 100	M16	14	600 900 1 100 600 750 600	4 12 8 10 19 18	60 60 180 140 60 60	7 10 10 12 17 20	**520541** **520542** **520545** **520546** **520543** **520547**

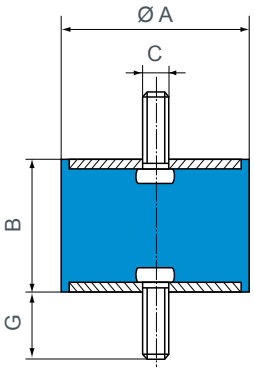
1 threaded studs



Ø A (mm)	B (mm)	C	G (mm)	Compression		Ref.
				Max. load (daN)	Deflection (mm)	
12,5	10 13,5 15 20	M5	10	12 11 10 8	2 2,5 3 3,5	**511110** **511128** **511115** **511125**
16	10 15	M4	10	20	2 3	**511150** **511151**
	10 15 20 25	M5	12	20 20 15 15	2 3 4 5	**511292** **511294** **511296** **511298**
20	5 8,5	M6	10	77 40	0,6 1,5	**511206** **51120011**
	8,5 15 20 25 30	M6	16,5	40 35 30 30 25	1,5 4 5 5,5 7	**511200** **511215** **511220** **511225** **511230**
25,5	10 15 20 30	M6	18	80 60 50 50	2 3,5 5 8	**511158** **511155** **511159** **511160**
	5 10 15	M8	20	82 80 60	0,6 2 3,5	**51126550** **511265** **511270**
	15	M8	12	60	3,5	**51127013**
	19 22 25 30 40	M8	20	55 50 50 50 50	4,5 5,5 6 8 10	**511251** **511275** **511280** **511285** **511290**
30	15 22 30 40	M8	25	90 80 70 60	3,5 6 8 9	**511308** **511310** **511312** **511314**
40	20 30 40	M8	20	160 120 120	5 7 10	**511411** **511157** **511161**
	20 25 35 40 45	M10	25	160 150 120 120 120	5 6 8 10 11	**511450** **511401** **511452** **511454** **511456**
50	25 35 45	M10	25	300 250 190	6 9 11	**511525** **511535** **511545**
60	22 25 36 45	M10	25	350 400 300 250	3 6 9 11	**513601** **511625** **511635** **511645**
70	35 50 70	M10	25	450 350 300	9 12 14	**511735** **511750** **511770**
75	25	M12	37	600	4,5	**511751**
80	25 30 40 70 80	M14	45 35 35 35 35	1 100 950 600 500 450	6 8 10 17 19	**513801** **511830** **511840** **511870** **511880**

See current price list for avaibility of items.

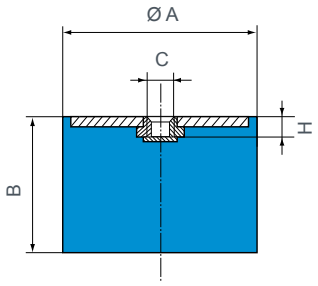
2 threaded studs



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 15 20	M5	10	12 10 8	2 3 3,5	1,5 2,5 2,5	1,5 2 4	**521293** **521128** **521295**
16	10 15	M4	10	20	1,5 3	2,5	1,5 2	**521650** **521651**
	10 15 20 25	M5	12	20 20 15 15	1,5 3 4 5	2,5 2,5 2,5 2	1,5 2 4 5	**521292** **521294** **521296** **521298**
20	8,5 15 20 25 30	M6	16,5	40 35 30 30 25	0,6 3 4,5 5,5 7	5 5 5 4,5 4,5	1 2,5 3,5 4,5 4,5	**521178** **521249** **521297** **521299** **521319**
25	25	M6	18	40	3,5	9	3,5	**521654**
25,5	10 15 20 30	M6	18	80 60 50 50	1,5 2,5 2 7,5	8 8 8 8	1,5 2,5 4 6	**521655** **521656** **521652** **521653**
	10 15 22 25 30 40	M8	20	80 60 50 50 50 50	1,5 2,5 4 5,5 7,5 10	8 8 8 8 8 6,5	1,5 2,5 4 4,5 6 6	**521340** **521341** **521251** **521342** **521343** **521344**
30	15 22 30 40	M8	25	90 80 70 60	3 5 8 9	11 11 11 11	2,5 4 6 7,5	**521308** **521310** **521312** **521314**
40	30 40	M8	20	150 120	6 10	20 20	5,5 7,5	**521181** **521657**
	20 28 35 40 45	M10	25	160 150 120 120 120	4 6 8 10 11	20 20 20 20 20	3 5,5 6,5 7,5 9	**521450** **521401** **521452** **521454** **521456**
50	20 25 30 35 40 45	M10	25 25 25 25 28 25	300 300 190 250 170 190	3 6 5 8 7 11	35 25 34 25 34 25	3,5 4,5 6 7 8,5 9	**521583** **521580** **521584** **521581** **521585** **521582**
	45	M10	15	190	11	25	9	**52158215**
	50	M10	24	160	9	34	11	**521586**
60	25 36 45	M10	25	400 300 250	5 8 11	30 30 30	4,5 7 9	**521601** **521603** **521641**
70	35 50 70	M10	25	450 350 300	8 11 14	35 35 35	6,5 11 15	**521705** **521710** **521711**
75	25 40 55	M12	37 35 37	600 450 380	4,5 7 10	80 80 80	5 8,5 12	**521712** **521713** **521714**
80	40	M12	28	600	9	40	7	**521658**
	30 30 40 70 80	M14	45 35 35 35 35	950 950 600 500 450	7 7 9 17 19	40 40 40 40 40	5 5 7 15 17	**521803** **521840** **521841** **521842** **521843**
100	40 55 80	M16	47	1 100 900 750	8 12 19	60 60 60	7 10 17	**521908** **521909** **521910**

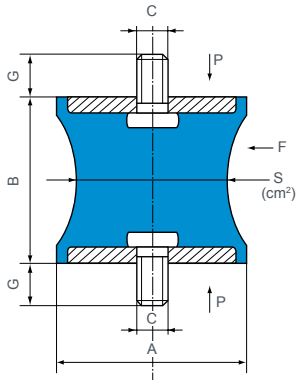
* The shear characteristics are measured under axial load.

1 threaded hole

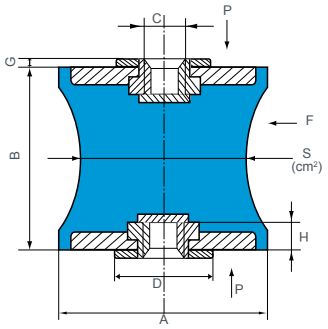


Ø A (mm)	B (mm)	C	H (mm)	Compression		Ref.
				Maxi. load (daN)	Deflection (mm)	
16	10 15	M4	2,5	20 20	2 3	**511152** **511153**
20	15	M6	4	35	4	**511154**
25,5	15 20 30	M6	4	60 55 50	3,5 5,5 8	**511164** **511162** **511163**
30	22	M8	6	80	6	**511156**
40	28	M8	7	110	5	**511178**
	40	M8	15	100	7,5	**511179**
50	20 30	M10	10	343 190	3,4 5	**511168** **511180**
	40	M10	8	170	7	**511181**
60	25 45	M10	8	400 250	6 11	**511182** **511183**
75	25	M12	12	600	4,5	**511184**
	40	M12	10	450	7	**511185**

Diabolo mounts



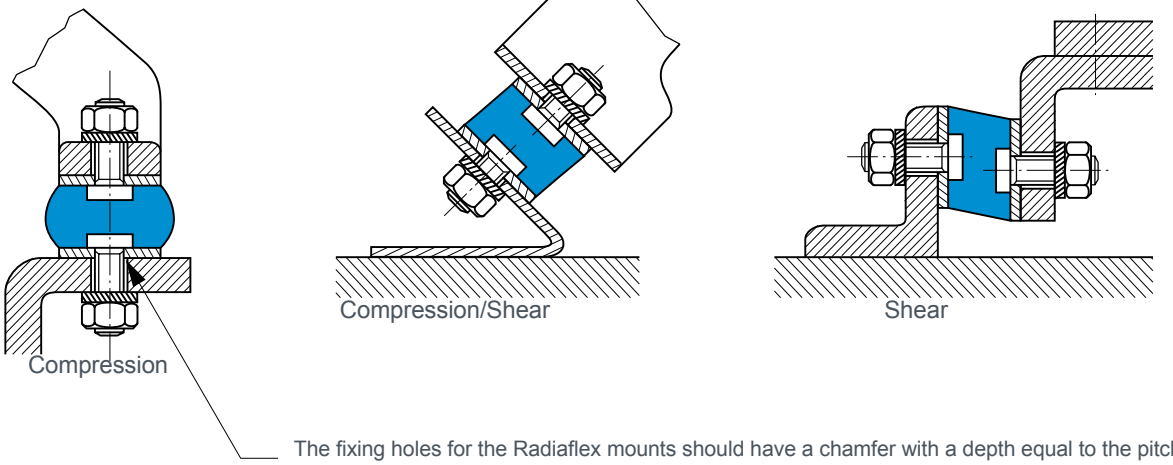
Ø A (mm)	B (mm)	C	G (mm)	Ø S (mm)	Compression (P)		Shear* (F)		Ref.
					Max. load (daN)	Deflec-tion (mm)	Max. load (daN)	Deflec-tion (mm)	
12,5	14	M5	10	0,3	3	1,4	0,5	1,2	**521300**
20	19	M6	16,5	1,6	12	2,5	3	5	**521201**
40	28	M10	25	3,1	30	5	2,5	4,5	**521403**
57	44	M8	20	5	40	5	7	5	**521571**
57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



Ø A (mm)	B (mm)	C	Ø S (mm)	H (mm)	G (mm)	D (mm)	Compression (P)		Shear* (F)		Ref.
							Max. load (daN)	Deflec-tion (mm)	Max. load (daN)	Deflec-tion (mm)	
80	60	M14	38,5	15,5	3	30	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.