



RADIAFLEX



DESCRIPTION

- Metalwork : Mild steel, plated.
- Natural rubber, bonded, cylindrical, conical or diablo shape.
- Welded fixings: 5 styles (single sided threaded stud, single sided threaded hole, double threaded stud, double threaded holes, combination fixing).

CHARACTERISTICS

The design of the RADIAFLEX mounts and stops 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.
- Highly deformable allowing high energies to be absorbed.
- Progressive absorption of energy due to the carefully designed shape.

ADVANTAGES

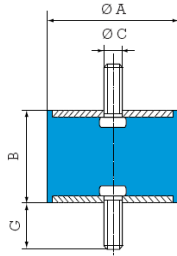
- Simple to fix.
- Simple and economical.
- Extensive range including metric and US threads
- By comparison with rigid stops, RADIAFLEX elastic stops are quiet and avoid hammering and deterioration of equipment.

RECOMENDATIONS

- Operation in shear provides a very good isolation provided that the radial forces are not too great.
- The stops must be fitted so that, on impact, the axis of the stop is perpendicular to the contact surface.
- On impact, the external diameter of the stop increases : this must be allowed for when fixing.

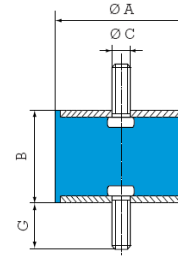
DOUBLE THREADS RADIAFLEX MOUNTS

Cylindrical shape – Metric threads



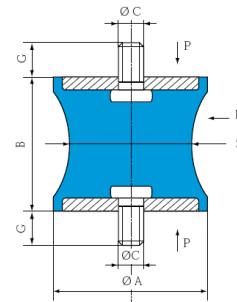
Dimensions				Compression		Shear		Part Number
Ø A mm	B mm	Ø C	G mm	Max load Lbs	Deflection mm	Max load Lbs	Deflection mm	
12.5	10	M5	10	26	2	3	1.5	521293
12.5	15	M5	10	22	3	6	2	521128
12.5	20	M5	10	18	3.5	6	4	521295
16	10	M4	10	44	1.5	6	1.5	521650
16	15	M4	10	44	3	6	2	521651
16	10	M5	12	44	1.5	6	1.5	521292
16	15	M5	12	44	3	6	2	521294
16	20	M5	12	33	4	6	4	521296
16	25	M5	12	33	5	4	5	521298
20	8.5	M6	16.5	88	0.6	11	1	521178
20	15	M6	16.5	77	3	11	2.5	521249
20	20	M6	16.5	66	4.5	11	3.5	521297
20	25	M6	16.5	66	5.5	10	4.5	521299
20	30	M6	16.5	55	7	10	4.5	521319
25.5	10	M6	18	177	1.5	18	1.5	521655
25.5	15	M6	18	132	2.5	18	2.5	521656
25.5	20	M6	18	110	2	18	4	521652
25.5	30	M6	18	110	7.5	18	6	521653
25.5	10	M8	20	177	1.5	18	1.5	521340
25.5	15	M8	20	132	2.5	18	2.5	521341
25.5	22	M8	20	110	4	18	4	521251
25.5	25	M8	20	110	5.5	18	4.5	521342
25.5	30	M8	20	110	7.5	18	6	521343
25.5	40	M8	20	110	10	14	6	521344
30	15	M8	25	199	3	24	2.5	521308
30	22	M8	25	177	5	24	4	521310
30	30	M8	25	155	8	24	6	521312
30	40	M8	25	132	9	24	7.5	521314
40	30	M8	20	331	6	44	5.5	521181
40	40	M8	20	265	10	44	7.5	521657
40	20	M10	25	353	4	44	3	521450
40	28	M10	25	331	6	44	5.5	521401
40	35	M10	25	265	8	44	6.5	521452
40	40	M10	25	265	10	44	7.5	521454
40	45	M10	25	265	11	44	9	521456
50	25	M10	25	662	6	55	4.5	521580
50	35	M10	25	552	8	55	7	521581
50	45	M10	25	420	11	55	9	521582
60	25	M10	25	883	5	66	4.5	521601
60	36	M10	25	662	8	66	7	521603
60	45	M10	25	552	11	66	9	521641
70	35	M10	25	994	8	77	6.5	521705
70	50	M10	25	773	11	77	11	521710
70	70	M10	25	662	14	77	15	521711
80	40	M12	28	1325	9	88	7	521658
80	30	M14	45	2098	7	88	5	521803
80	30	M14	35	2098	7	88	5	521840
80	40	M14	35	1325	9	88	7	521841
80	70	M14	35	1104	17	88	15	521842
80	80	M14	35	994	19	88	17	521843
100	40	M16	47	2429	8	132	7	521908
100	55	M16	47	1987	12	132	10	521909
100	80	M16	47	1656	19	132	17	521910

Cylindrical shape – US threads



Dimensions				Compression		Shear		Part Number
Ø A "	B "	Ø C	G "	Max load Lbs	Natural frequency - Hz	Max load Lbs	Natural frequency - Hz	
0.25	0.28	#4-40	0.19	1	9	2	8	A76-041
0.375	0.625	#8-32	0.375	2	20	5	18	A88-041
0.438	0.5	#8-32	0.375	10.3	14	5.5	10	A00-051
0.438	0.5	#8-32	0.375	4.8	14	2.5	9	A00-031
0.438	0.438	#6-32	0.25	4	13.5	1	12	A07-041
0.438	0.438	#8-32	0.25	4	13.5	1	12	A07-042
0.563	0.5	#8-32	0.375	14	12.5	7	11	A10-041
0.563	0.5	#10-32	0.375	14	12.5	7	11	A10-042
0.75	0.625	#10-32	0.375	18	11	3	9.5	A98-041
1	0.25	0.250-20	0.5	60	25	15	28	A25-041
1	0.5	0.250-20	0.75	60	14	20	10	A20-041
1	0.531	0.250-20	0.5	55	13	23	7.5	A21-141
1	0.75	0.250-20	0.625	90	14	50	10	A22-071
1	0.75	0.250-20	0.75	40	11	10	13	A22-041
1	0.75	0.250-20	0.5	50	10	14	7.5	A22-141
1	0.75	0.250-20	0.5	44	10	11.5	7.5	A22-131
1	0.75	0.312-18	0.75	70	12	35	10	A22-062
1	0.75	0.312-18	0.562	50	10	14	7.5	A22-142
1	0.75	6mm	0.5	60	10	33	8	A22-053
1	1	0.250-20	0.75	35	9	8	8	A23-042
1	1	0.312-18	0.625	35	9	8	8	A23-041
1	1	0.312-18	0.562	35	10	12	7.5	A23-141
1.25	0.75	0.312-18	0.562	98	10	31	7.5	A32-151
1.25	1.25	0.312-18	0.562	76	10	13.5	7.5	A34-141
1.375	1	0.375-16	0.75	70	12	40	9	A43-042
1.375	1	0.312-18	0.562	96	10	32	7.5	A43-151
1.5	1	0.375-16	1	150	9	40	6.5	A53-061

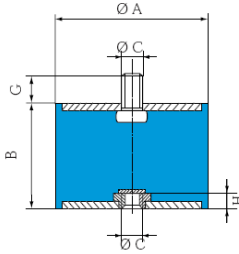
Diabolo shape - metric threads



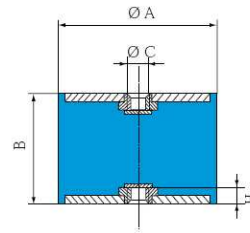
Dimensions				Compression		Shear		Part Number	
Ø A mm	B mm	Ø C	G mm	Ø S mm	Max load Lbs	Deflection mm	Max load Lbs		Deflection mm
13	14	M5	10	6	7	1.4	1	1.2	521300
20	19	M6	17	14	26	2.5	6.6	5	521201
40	28	M10	25	20	66	5	5.5	4.5	521403
57	44	M8	20	25	88	5	15	5	521571
57	44	M8	20	35	165	5	26	6	521572
60	60	M10	25	50	330	8	66	10	521602
80	70	M14	35	70	660	9.5	120	9.5	521801
95	76	M16	45	80	885	9.5	155	8	521951

DOUBLE THREADS RADIAFLEX MOUNTS

Cylindrical shape – metric threads



Cylindrical shape - metric threads



Dimensions					Compression		Shear		Part Number
Ø A mm	B mm	Ø C	G mm	H mm	Max load Lbs	Deflection mm	Max load Lbs	Deflection mm	
16	10	M4	10	2	44	1.5	6	1.5	520053
16	15	M4	10	2	44	3	6	2	520054
16	10	M5	12	3	44	1.5	6	1.5	520010
16	15	M5	12	3	44	3	6	2	520011
16	20	M5	12	3	33	4	6	4	520012
16	25	M5	12	3	33	5	4	5	520013
20	15	M6	16.5	4	77	3	11	2.5	520015
20	20	M6	16.5	4	66	4.5	11	3.5	520016
20	25	M6	16.5	4	66	5.5	10	4.5	520017
20	30	M6	16.5	4	55	7	10	4.5	520018
25.5	15	M6	18	4	132	2.5	18	2.5	520052
25.5	20	M6	18	4	110	2	18	4	520055
25.5	30	M6	18	4	110	7.5	18	6	520057
25.5	22	M8	20	6	110	4	18	4	520021
25.5	25	M8	20	6	110	5.5	18	4.5	520022
25.5	30	M8	20	6	110	7.5	18	6	520023
25.5	40	M8	20	6	110	10	14	6	520024
30	15	M8	25	6	199	3	24	2.5	520025
30	22	M8	25	6	177	5	24	4	520026
30	30	M8	25	6	155	8	24	6	520027
30	40	M8	25	6	132	9	24	7.5	520028
40	30	M8	20	6	331	6	44	5.5	520056
40	40	M8	20	6	265	10	44	7.5	520058
40	20	M10	25	8	353	4	44	3	520029
40	28	M10	25	8	331	6	44	5.5	520030
40	35	M10	25	8	265	8	44	6.5	520031
40	40	M10	25	8	265	10	44	7.5	520032
40	45	M10	25	8	265	11	44	9	520033
50	35	M10	25	8	552	8	55	7	520035
50	45	M10	25	8	420	11	55	9	520036
60	36	M10	25	8	662	8	66	7	520038
60	45	M10	25	8	552	11	66	9	520039
70	35	M10	25	9	994	8	77	6.5	520040
70	50	M10	25	9	773	11	77	11	520041
70	70	M10	25	9	662	14	77	15	520042
80	40	M12	28	10	1325	9	88	7	520059
80	40	M14	35	10	1325	9	88	7	520044
80	70	M14	35	10	1104	17	88	15	520045
80	80	M14	35	10	994	19	88	17	520046
100	40	M16	47	14	2429	8	132	7	520100
100	55	M16	47	14	1987	12	132	10	520101
100	80	M16	47	14	1656	19	132	17	520102
100	100	M16	47	14	1325	23	132	20	520103

Dimensions				Compression		Shear		Part Number
Ø A mm	B mm	Ø C	H mm	Max load Lbs	Deflection mm	Max load Lbs	Deflection mm	
16	10	M4	2.5	44	1.5	6	1.5	520550
16	15	M4	2.5	44	3	6	2	520551
16	10	M5	3	44	1.5	6	1.5	520500
16	15	M5	3	44	3	6	2	520501
16	20	M5	3	33	4	6	4	520502
16	25	M5	3	33	5	4	5	520503
20	15	M6	4	77	2.5	11	2.5	520505
20	20	M6	4	66	4.5	11	3.5	520506
20	25	M6	4	66	5.5	10	4.5	520507
20	30	M6	4	55	7	10	4.5	520508
25.5	20	M6	4	110	3	18	4	520554
25.5	30	M6	4	110	7.5	18	6	520555
25.5	22	M8	6	110	3	18	4	520511
25.5	25	M8	6	110	4.5	18	4.5	520512
25.5	30	M8	6	110	7.5	18	6	520513
25.5	40	M8	6	110	10	13	6	520514
30	22	M8	6	177	4	24	4	520516
30	30	M8	6	155	7.5	24	6	520517
30	40	M8	6	132	9	24	7.5	520518
40	30	M8	6	331	4.5	44	5.5	520552
40	40	M8	6	265	10	44	7.5	520553
40	28	M10	8	331	4.5	44	5.5	520520
40	35	M10	8	265	7	44	6.5	520521
40	40	M10	8	265	10	44	7.5	520522
40	45	M10	8	265	11	44	9	520523
50	35	M10	8	552	7	55	7	520525
50	45	M10	8	420	10	55	9	520526
60	36	M10	8	662	7	66	7	520528
60	45	M10	8	552	9	66	9	520529
70	35	M10	9	994	7	77	6.5	520530
70	50	M10	9	773	9	77	11	520531
70	70	M10	9	662	14	77	15	520532
80	40	M12	10	265	10	44	7.5	520556
80	40	M14	12	1325	7	88	7	520534
80	70	M14	12	1104	17	88	15	520535
80	80	M14	12	994	19	88	17	520536
100	40	M16	14	2429	8	132	7	520541
100	55	M16	14	1987	12	132	10	520542
100	60	M16	14	2429	8	397	10	520545
100	75	M16	14	1325	10	309	12	520546
100	80	M16	14	1656	19	132	17	520543
100	100	M16	14	1325	23	132	20	520547

Cylindrical shape – US threads

Part Number	Dimensions				Compression		Shear	
	Ø A "	B "	C	G "	Max Load - Lbs	Natural Frequency - Hz	Max Load - Lbs	Natural Frequency - Hz
27052-01	0.438	0.438	#6-32	0.25	4	13.5	1	12
27052-02	0.438	0.438	#8-32	0.25	4	13.5	1	12
27052-07	0.563	0.5	#10-32	0.375	8	19	2	20
27052-04	0.563	0.5	#8-32	0.25	14	12.5	8	11
27052-08	0.563	0.5	#8-32	0.25	25	13	12	12
27052-06	0.75	0.625	#10-32	0.375	18	11	3	9.5
27052-09	1	0.75	0.250-20	0.5	40	9.5	12	10
27052-10	1	0.75	0.250-20	0.5	95	13	40	10
27052-11	1	0.75	0.250-20	0.5	60	13	33	10
27052-05	1	1	0.250-20	0.5	35	9	10	8
27052-12	1	1	0.312-18	0.5	35	12	10	10
27052-03	1.25	1	0.312-18	0.625	50	9	12	7
27052-13	1.5	1.375	0.375-16	0.625	75	10	15	12
27052-14	1.5	1.375	0.375-16	0.625	100	10	20	12

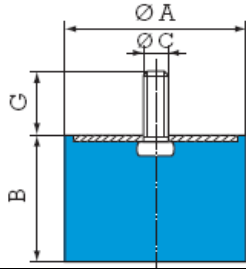
BARRY CONTROLS
82 South street, Hokinton, MA 01748
Tel: 508 417 7000 Fax: 508 417 7224

www.barrycontrols.com www.hutchinsonrubber.com

HUTCHINSON
WORLDWIDE

SINGLE THREAD RADIAFLEX STOPS

Cylindrical shape - metric thread

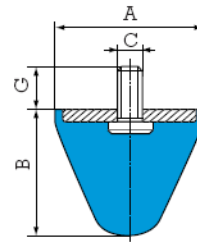


Dimensions				Compression		Part number
diam A mm	B mm	Diam C mm	G mm	Max load Lbs	Deflection mm	
12.5	10	M5	10	26	2	511110
12.5	13.5	M5	10	24	2.5	511128
12.5	15	M5	10	22	3	511115
12.5	20	M5	10	18	3.5	511125
16	10	M4	10	44	2	511150
16	15	M4	10	44	3	511151
16	10	M5	12	44	2	511292
16	15	M5	12	44	3	511294
16	20	M5	12	33	4	511296
16	25	M5	12	33	5	511298
20	8.5	M6	16.5	88	1.5	511200
20	15	M6	16.5	77	4	511215
20	20	M6	16.5	66	5	511220
20	25	M6	16.5	66	5.5	511225
20	30	M6	16.5	55	7	511230
25.5	10	M6	18	177	2	511158
25.5	15	M6	18	132	3.5	511155
25.5	20	M6	18	110	5	511159
25.5	30	M6	18	110	8	511160
25.5	10	M8	20	177	2	511265
25.5	15	M8	20	132	3.5	511270
25.5	19	M8	20	121	4.5	511251
25.5	22	M8	20	110	5.5	511275
25.5	25	M8	20	110	6	511280
25.5	30	M8	20	110	8	511285
25.5	40	M8	20	110	10	511290
30	15	M8	25	199	3.5	511308
30	22	M8	25	177	6	511310
30	30	M8	25	155	8	511312
30	40	M8	25	132	9	511314
40	30	M8	20	265	7	511157
40	40	M8	20	265	10	511161
40	20	M10	25	353	5	511450
40	25	M10	25	331	6	511401
40	35	M10	25	265	8	511452
40	40	M10	25	265	10	511454
40	45	M10	25	265	11	511456
50	25	M10	25	662	6	511525
50	35	M10	25	552	9	511535
50	45	M10	25	420	11	511545
60	25	M10	25	883	6	511625
60	36	M10	25	662	9	511635
60	45	M10	25	552	11	511645
70	35	M10	25	994	9	511735
70	50	M10	25	773	12	511750
70	70	M10	25	662	14	511770
80	30	M14	35	2098	8	511830
80	40	M14	35	1325	10	511840
80	70	M14	35	1104	17	511870
80	80	M14	35	994	19	511880

Cylindrical shape - US thread

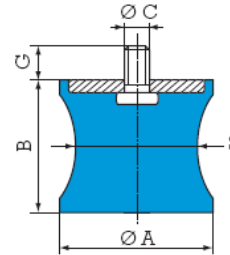
Part	Ø A "	B "	C "	G "	Compression - Lbs
27051-03	0.438	0.438	#6-32	0.25	3
27051-04	0.563	0.5	#8-32	0.375	6
27051-05	0.75	0.625	#10-32	0.375	15
27051-02	1	0.375	0.312-18	1.25	40
27051-06	1	0.375	0.312-18	0.625	45
27051-07	1	0.625	0.312-18	0.625	48
27051-08	1	0.75	0.250-20	0.5	35
27051-01	1	1	0.312-18	0.625	40
27051-09	1.25	0.75	0.312-18	0.625	50
27051-10	1.5	1	0.312-18	0.625	100
27051-11	1.5	1	0.375-16	0.625	100

Conical shape - metric thread



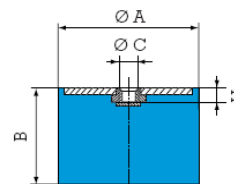
Dimensions				Repetitive Shocks			Exceptional shocks Joules	Weight g	Part Number
Ø A mm	B mm	Ø C mm	G mm	Energy Joules	Max load Lbs	Deflection mm			
25.5	19	M8	20	3	220	8	9	20	512251
30	30	M8	25	6	310	15	18	37	512307
30	30	M6	13.5	6	310	15	18	30	512301
50	50	M10	25	30	750	25	90	85	512515
50	50	M8	20	30	750	25	90	75	512501
50	64	M10	25	40	820	32	120	150	512516
50	64	M8	35	40	820	32	120	150	512502
50	58	M10	25	37	890	28	110	130	512517
50	58	M8	15	37	890	28	110	120	512503
60	40	M10	25	27	1215	18	70	140	512608
60	40	M14	62	27	1215	18	70	200	512601
72	58	M10	25	50	1215	26	150	290	512700
72	58	M12	30	50	1215	26	150	300	512721
95	80	M16	45	120	2430	37	350	750	512951

Diabolo shape - metric thread



Dimensions				Compression		Repetitive load			Weight g	Part number	
Ø A mm	B mm	Ø C mm	G mm	S mm	Max load lbs	Deflection mm	Max load Lbs	Deflection mm			energy Joules
57	44	M8	20	25	90	5	220	10	1	60	511571
57	44	M8	20	35	165	5.5	440	12	2	80	511572
60	57	M10	25	50	330	8	775	15	6	190	511602
80	65	M14	30	70	660	9.5	1770	16	15	500	511801
95	70	M16	35	80	885	9.5	2210	18	20	790	511951

Cylindrical shape - metric thread



Dimensions				Compression		Part Number
Ø A mm	B mm	Ø C mm	H mm	Max load Lbs	Deflection mm	
16	10	M4	2.5	44	2	511152
16	15	M4	2.5	44	3	511153
20	15	M6	4	77	4	511154
25.5	15	M6	4	130	3.5	511164
25.5	20	M6	4	110	5.5	511162
25.5	30	M6	4	110	8	511163
30	22	M8	6	180	6	511156