

MULTICUSHION

The MULTICUSHION system is a new approach to isolator selection. The large range of sizes and durometers combined with interchangeable metric and imperial studs allows selection of the most appropriate cushion isolator for the application.

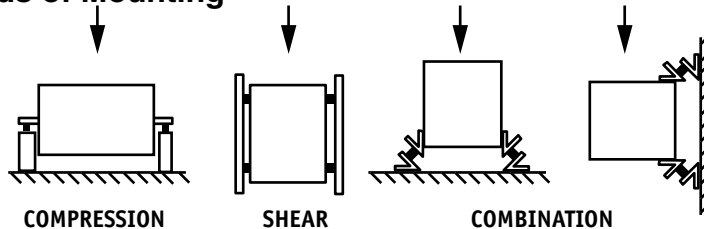
First choose the best cushion for the application and then choose the desired stud combination.

MULTICUSHION isolators are made from high-grade natural rubber and all metal surfaces are passivated to automotive OEM standards. The interchangeable studs are easily inserted with a screw driver whilst the microBOND™ 'fastener adhesive system' provides secure thread locking.



Note! *Multicushions are not recommended for use under permanent tension loading. Ensure load is applied to full face and not just on the thread.*

Suggested Methods of Mounting



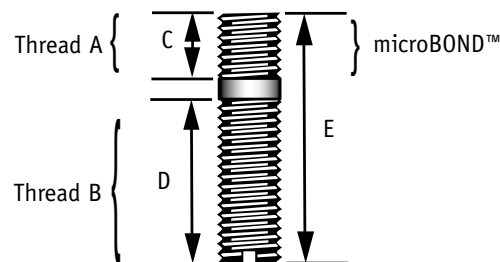
STUD DETAILS

MULTICUSHION Stud Part No.	THREADS		DIMENSIONS		
	A mm	B mm	C mm	D mm	E mm
M4M4	M4 x 0.7	M4 x 0.7	4	15	19 *
M4M5	M4 x 0.7	M5 x 0.8	4	15	20.5
M4W316	M4 x 0.7	3/16"WHIT x 24tpi	4	15	20.5
M6M6	M6 x 1.0	M6 x 1.0	6	15	21 *
M6M8	M6 x 1.0	M8 x 1.25	6	20	28
M6W316	M6 x 1.0	3/16"WHIT x 24tpi	6	15	22.5
M6W14	M6 x 1.0	1/4"WHIT x 20tpi	6	15	22.5
M8M8	M8 x 1.25	M8 x 1.25	8	20	28 *
M8M10	M8 x 1.25	M10 x 1.5	8	25	35
M8W516	M8 x 1.25	5/16"WHIT x 18tpi	8	20	31
M10M10	M10 x 1.5	M10 x 1.5	10	25	37 *
M10M12	M10 x 1.5	M12 x 1.75	10	35	49
M10W38	M10 x 1.5	3/8"WHIT x 16tpi	10	25	39
M16M16	M16 x 2.0	M16 x 2.0	16	40	56 *

* Denotes continuous thread

MICROBOND™ THREAD SECURITY

Thread	Prevailing on-torque (max) Nm	Breakaway off-torque (min) Nm	Prevailing off-torque (min) Nm
M4	-	-	-
M6	1.8	1.5	0.8
M8	2.8	4	2
M10	5.5	11	4
M16	14	33	16



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All properties nominal, contact Mackay for Technical advice

All Dimensions in Millimetres

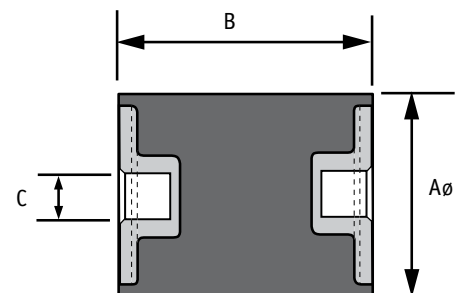
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CUSHION DETAILS

Part No.	Dimensions		Duro	C metric	Compression		Shear		Weight Kg
	Diameter A mm	Height B mm			Maximum Load Kg	Maximum Deflection mm	Maximum Load Kg	Maximum Deflection mm	
M10131540	13	15	40	M4	13.0	2.5	2.5	3.0	
M10131555	13	15	55	M4	25	2.5	4.5	3	0.01
M10131570	13	15	70	M4	34	2.5	6	3	
M10162040	16	20	40	M6	20.5	3	4.5	4	
M10162055	16	20	55	M6	42.5	3	9	4	0.01
M10162070	16	20	70	M6	53.5	3	12	4	
M10202540	20	25	40	M6	30.5	6	5	6	
M10202555	20	25	55	M6	65	6	11	6	0.02
M10202570	20	25	70	M6	89.5	6	15	6	
M10252040	25	20	40	M6	36	2.5	7	3	
M10252055	25	20	55	M6	54	2.5	12	3	0.02
M10252070	25	20	70	M6	66	2.5	15	3	
M10253040	25	30	40	M6	55	8	10.5	8	
M10253055	25	30	55	M6	98	8	19	8	0.03
M10253070	25	30	70	M6	120	8	26.5	8	
M10302040	30	20	40	M6	42	2.5	8	3	
M10302055	30	20	55	M6	62	2.5	13	3	0.03
M10302070	30	20	70	M6	82	2.5	16	3	
M10303040	30	30	40	M8	44	4	10	5	
M10303055	30	30	55	M8	77	4	18	5	0.05
M10303070	30	30	70	M8	108	4	33	5	
M10304040	30	40	40	M8	49.5	8	9	10	
M10304055	30	40	55	M8	86	8	17.5	10	0.06
M10304070	30	40	70	M8	131	8	35	10	
M10403040	40	30	40	M8	60.5	4	17.5	5	
M10403055	40	30	55	M8	114	4	28.5	5	0.08
M10403070	40	30	70	M8	195	4	49.5	5	
M10404040	40	40	40	M8	78	8	20	10	
M10404055	40	40	55	M8	148	8	34	10	0.09
M10404070	40	40	70	M8	233	8	53.5	10	
M10503540	50	35	40	M10	139.5	6	21.5	6	
M10503555	50	35	55	M10	264	6	40.5	6	0.14
M10503570	50	35	70	M10	363	6	59	6	
M10504540	50	45	40	M10	111.5	8	25	10	
M10504555	50	45	55	M10	195	8	44.5	10	0.16
M10504570	50	45	70	M10	244	8	62	10	
M10755040	75	50	40	M10	390	12	76	13	
M10755055	75	50	55	M10	733	12	140	13	0.4
M10755070	75	50	70	M10	986	12	208	13	
M101006040	100	60	40	M16	510	10	100	10	
M101006055	100	60	55	M16	955	10	180	10	0.8
M101006070	100	60	70	M16	1500	10	306	10	
M101507540	150	75	40	M16	1500	18	277	20	
M101507555	150	75	55	M16	3200	18	525	20	2.2
M101507570	150	75	70	M16	4500	18	760	20	

COLOUR CODE

DURO	COLOUR
40	RED
55	YELLOW
70	Marked 70



All properties nominal, contact Mackay for Technical advice

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All Dimensions in Millimetres

STAINLESS STEEL MULTICUSHION

Stainless steel Multicushion isolators are manufactured in the most popular sizes from high grade natural rubber and stainless steel (type 304) metal components.

Available in two rubber hardnesses the cushions are supplied without fixing studs. Mackay recommends fixing with appropriate stainless steel hexagonal socket set screws used with an appropriate locking compound



*** Consult with Mackay Technical staff to ensure natural rubber is suitable for use in corrosive environments or solvents.**

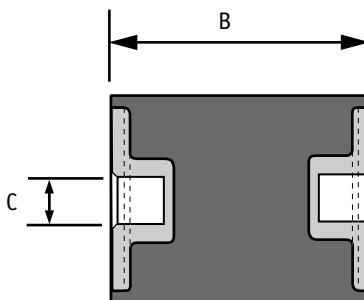
Note! Multicushions are not recommended for use under permanent tension loading.
Ensure load is applied to full face and not just on the thread.

CUSHION DETAILS

Part No.	Dimensions		Duro	C metric	Compression		Shear		Weight Kg
	Diameter A mm	Height B mm			Maximum Load Kg	Maximum Deflection mm	Maximum Load Kg	Maximum Deflection mm	
M11202540	20	25	40	M6	30.5	6	5	6	0.02
M11202555	20	25	55	M6	65	6	11	6	0.02
M11252040	25	20	40	M6	36	2.5	7	3	0.02
M11252055	25	20	55	M6	54	2.5	12	3	0.02
M11253040	25	30	40	M6	55	8	10.5	8	0.03
M11253055	25	30	55	M6	98	8	19	8	0.03
M11302040	30	20	40	M6	42	2.5	8	3	0.03
M11302055	30	20	55	M6	62	2.5	13	3	0.03
M11303040	30	30	40	M8	44	4	10	5	0.05
M11303055	30	30	55	M8	77	4	18	5	0.05
M11304040	30	40	40	M8	49.5	8	9	10	0.06
M11304055	30	40	55	M8	86	8	17.5	10	0.06
M11403040	40	30	40	M8	40.5	4	17.5	5	0.09
M11403055	40	30	55	M8	114	4	28.5	5	0.09
M11404040	40	40	40	M8	78	8	20	10	0.1
M11404055	40	40	55	M8	148	8	34	10	0.1
M11503540	50	35	40	M10	139.5	6	21.5	6	0.14
M11503555	50	35	55	M10	264	6	40.5	6	0.14
M11504540	50	45	40	M10	111.5	8	25	10	0.16
M11504555	50	45	55	M10	195	8	44.5	10	0.16

COLOUR CODE

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40	RED
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