MACKAY
INDUSTRIAL

RECESSED FLANGED ISOLATORS

SECTION 5

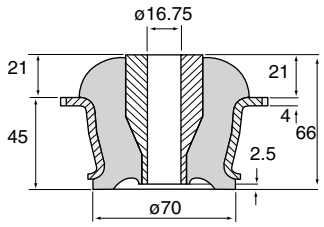
RECESSED FLANGE ISOLATORS

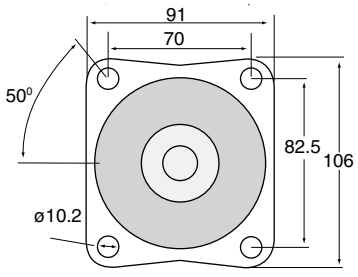
Recessed Flange Isolators designed for high load capacity combined with relatively large static deflections in an axial direction. Their high loading for a given size is obtained by utilising the rubber to the best advantage in both compression and shear.

Isolators listed in the following pages are normally assembled with overload and rebound washers to control and limit the movement of the suspended equipment under the action of shock loads. The central fixing bolts should be torque tightened to the recommended values.

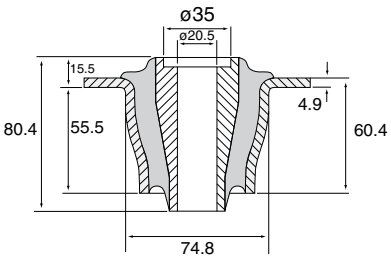
Supplied with overload and rebound washers

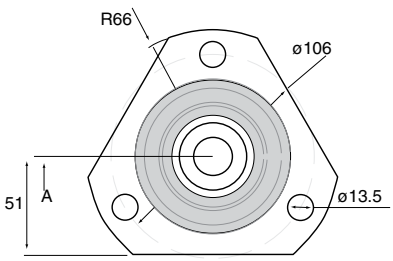
M137061,2,3



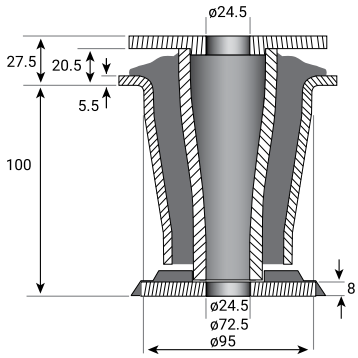


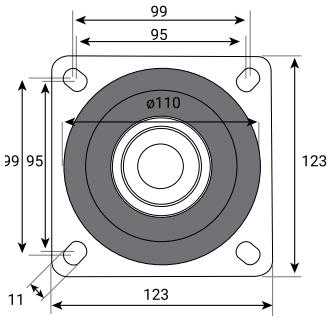
M137082,3





M137101,2,3





Part No.	Duro	Load Kg	Deflection mm	Weight Kg
M137063	50	310	6.5	1.18
M137061	60	500	6.0	1.18
M137062	70	960	6.0	1.18
M137082	60	690	6.0	1.21
M137083	70	1080	6.0	1.21
M137101	45	1000	6	3.45
M137102	60	2100	6	3.45
M137103	70	2500	6	3.45

All properties nominal, contact Mackay for Technical advice

All Dimensions in Millimetres

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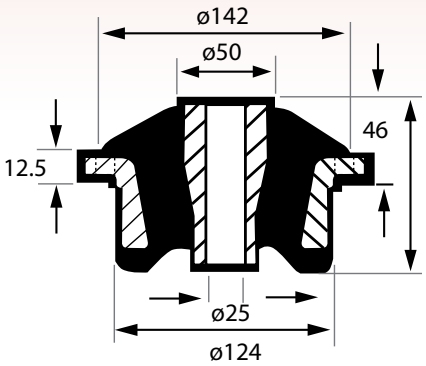
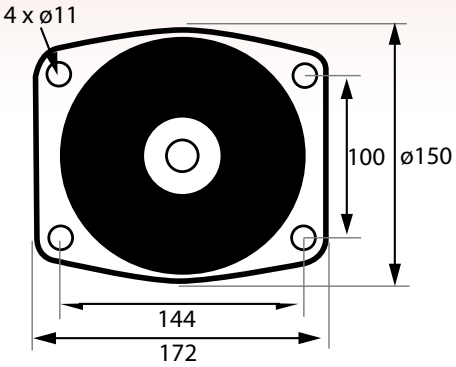
M801550

Overload and rebound washers ordered separately





PART No.	Max Load (kg)	Displacement (mm)
M80155045	400	7
	640	11
M80155050	420	7
	660	11
M80155060	800	7
	1260	11
M80155070	1200	7
	1860	11

Overload Washer	Rebound Washer	Centre Bolt Size & Assembly Torque		Weight Kg
M181550C	M181550C	M24	260Nm	4.5

COLOUR CODE

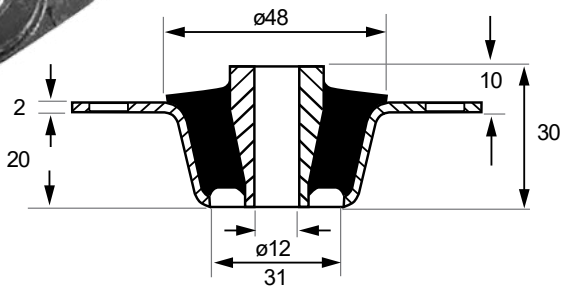
Duro	Colour
45	Red
50	Yellow
60	White
70	Marked 70

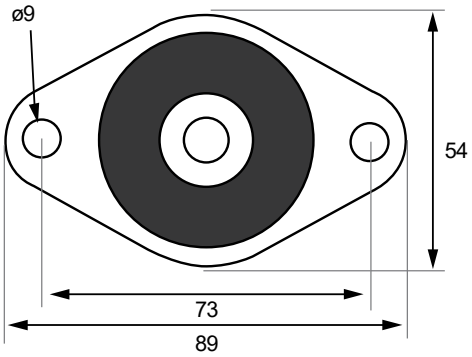
*Parts are also Stamped with their Duro

M80409

M80409 may or may not require overload and rebound washers depending on the installation. (Supplied separately)

Ensure clearance between rebound washer and base of the isolator under static load.





PART No.	Max Load (kg)	Displacement (mm)
M8040935	15	2
	25	3
M8040945	23	2
	35	3
M8040960	45	2
	65	3
M8040970	65	2
	100	3

Overload Washer	Rebound Washer	Centre Bolt Size & Assembly Torque		Weight Kg
M18409A	M15286	M12	40Nm	0.1

DUROMETER

Duro	
35	Stamped into flange
45	
60	
70	

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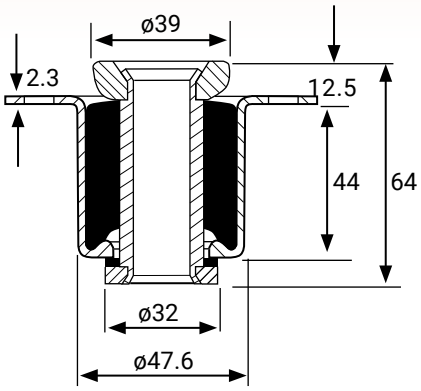
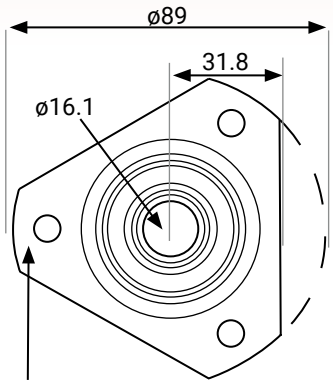
M70675

M70675 is a one piece recessed flange isolator that provides a low profile method os supporting a range of equipment. Their fail safe feature protects supported equipment under shock loads



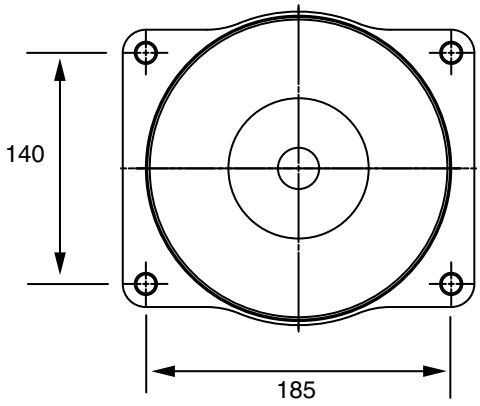


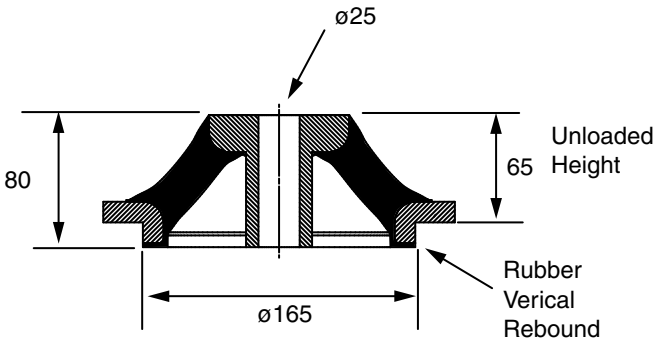
3 x ø8.4 holes on 69.9 PCD

Part No.	Compression		Weight Kg
	Kg	Def mm	
M70675	100	1.0	0.4
	147	1.63	0.4
	200	2.3	0.4

Q - MOUNTS

Non Stocked Item - Special Order Only





Part No.	Max Vertical Load Kg	Max Vertical Deflection mm	Rebound Cup Installed		Weight Kg
			Optimum Load Kg	Design Deflection mm	
M9030060	850	20	425	10	4.1
M9030068	1230	20	615	10	4.1
M9030075	1790	20	895	10	4.1
M90300W					

All properties nominal, contact Mackay for Technical advice

All Dimensions in Millimetres

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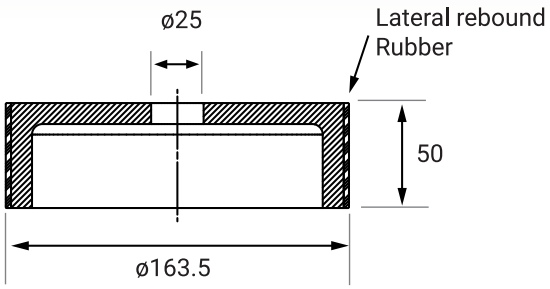
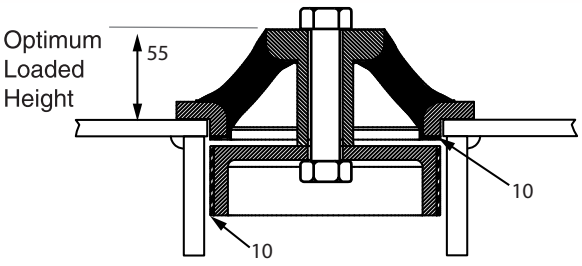
Q MOUNT REBOUND CUP

Non Stocked Item - Special Order Only



REBOUND CUP INSTALLATION AT OPTIMUM LOAD



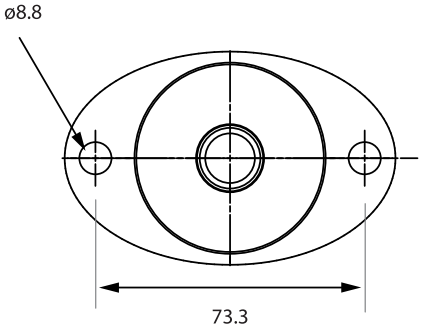
Q - Mount rebound cup is specifically deigned to fit into a recess providing rebound protection in vertical loading and lateral bump stop facility.

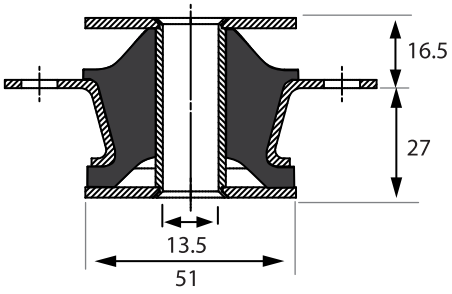
Lateral clearance 10 mm maximum

INTEGRAL REBOUND

(Type 304 Stainless Steel)

Designed for recessed fitting into chassis and frames. Integral overload and rebound washers eliminate the need for additional bump stops. Ideally suited to mounting exposed equipment





Part No.	Max Load Kg	Deflection mm	Weight Kg
M70250	90	6	0.25
M70265	180	6	0.25

DUROMETER

Duro	
50	Stamped into flange
65	

All Dimensions in Millimetres

All properties nominal, contact Mackay for Technical advice

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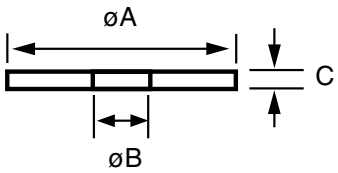
Industrial Edition 09/2026

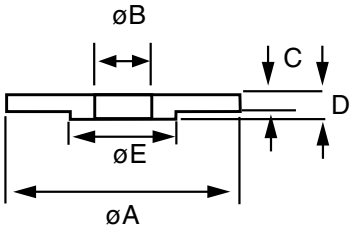
OVERLOAD AND REBOUND WASHERS

Overload and rebound washers (top and Bottom) are necessary to limit maximum movement in the event of shock loading.

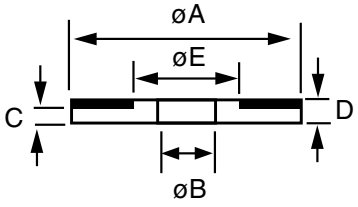
Type A
Steel washer



Type B
Top Stepped Steel Washer



Type C
Rebound Washer with Rubber



Part No.	TYPE	A	B	C	D	E	Top Washer Overload	Bottom Washer Rebound	Weight Kg
M15286	C	48	12	3	6	28.5		**M80409**	0.1
M153526	C	95	25	6	14	47			
M153527	C	117	25	6	16	48			
M153528	C	67	20	5	10	35			0.2
M18146C	B	116	25	4	8	47			
M181550C	A	139	25	10			**M801550**	**M801550**	1.15
M18168C	B	155	25	4	8	47			
M18225H	B	80	20	3	6	34.5			0.25
M18409A	A	50	12	4			**M80409**		0.07

RECOMMENDED TIGHTENING TORQUE FOR CENTRE FIXING BOLTS

THREAD SIZE	TORQUE (Nm)
M10	25
M12	40
M16	135
M20	180
M24	260

All properties nominal, contact Mackay for Technical advice

All Dimensions in Millimetres

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