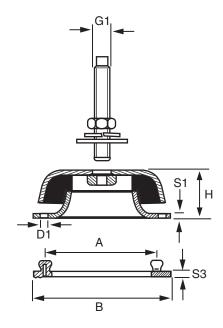
## LEVELLING ISOLATOR

This range of isolators offer increased protection to the rubber in applications where this is considered necessary as well as the metal components being galvanised to protect against corrosion. They are also available with a leveling spindle to allow effortless level adjustment so that the height of machines can be set precisely. The Isolators can be used without being anchored to the floor by the use of the rubber underlay which is resistant to oil. It is suggested that before mounting the underlay that the studs are moistened with soapy water.

The isolators provide excellent isolation efficiency with equal load capacity in both compression and shear. They are suitable for applications where restraint in the horizontal position is required but good isolation is needed in the vertical plane.

The isolators are available in three sizes and three elastomer hardnesses; 40 duro, 55 duro, 65 duro, while providing load capacity from 50kg to 2,000kg.





## **DIMENSIONS**

Part No.	DOME MOUNT						Leveling SPINDLE	
	В	Α	D1	S1	Н	G	Part No.	G1
M51058540	108	88	9	3	40	M12	M510LS1	M12
M51033629	168	132	13	4	50	M16	M510LS2	M16
M51058541	200	165	13	6	70	M20	M510LS3	M20

1U	NDERLAY		MOUNT WEIGHT		
Part No.	WEIGHT Kg	S3	Part No.	WEIGHT Kg	
M510UL1	0.01	2.5	M51058540	0.7	
M510UL2	0.03	3	M51033629	1.7	
M510UL3	0.11	4	M51058541	4.3	

All Dimensions in Millimetres

All properties nominal, contact Mackay for Technical advice





## **VIBRATION ISOLATORS**

M51058540   S0	LOAD Kg	40 Duro Deflection mm	55 Duro Deflection mm	65 Duro Deflection mm
100	M51058540			
150	50	1.11	0.65	0.45
200       3.82       2.31       1.58         250       -       2.81       1.90         300       -       3.27       2.32         350       -       3.70       2.66         400       -       -       2.98         450       -       -       3.28         500       -       -       3.28         500       -       -       3.57         M51033629       -       -       3.57         100       1.13       0.63       0.42         200       2.20       1.23       0.84         300       3.23       1.82       1.24         400       4.22       2.40       1.64         500       -       2.97       2.00         600       -       3.53       2.42         700       -       4.07       2.80         800       -       -       3.17         900       -       -       3.54         1000       -       -       3.90         M51058541       -       -       3.90         M51058541       -       0.93       0.63         400	100	2.06	1.21	0.85
250 - 2.81 1.90 300 - 3.27 2.32 350 - 3.70 2.66 400 2.98 450 - 3.28 500 - 3.28 500 - 3.57  M51033629  100 1.13 0.63 0.42 200 2.20 1.23 0.84 300 3.23 1.82 1.24 400 4.22 2.40 1.64 500 - 2.97 2.00 600 - 3.53 2.42 700 - 4.07 2.80 800 3.54 1000 - 3.54 1000 - 3.54 1000 - 3.54 1000 - 3.54 1000 3.54 1000 3.54 1000 3.55 600 4.50 2.73 1.83 800 5.56 3.51 2.46 1000 - 4.20 3.02 1200 - 4.20 3.02 1200 - 5.24 3.65 1400 4.22 1600 4.75 1800 4.75	150	3.02	1.67	1.21
300 - 3.27 2.32 350 - 3.70 2.66 400 2.98 450 - 3.28 500 3.28 500 3.57  M51033629  100 1.13 0.63 0.42 200 2.20 1.23 0.84 300 3.23 1.82 1.24 400 4.22 2.40 1.64 500 - 2.97 2.00 600 - 3.53 2.42 700 - 4.07 2.80 800 3.54 1000 3.54 1000 3.54 1000 3.54 1000 3.90  M51058541  200 1.67 0.93 0.63 400 3.24 1.82 1.25 600 4.50 2.73 1.83 800 5.56 3.51 2.46 1000 - 4.20 3.02 1200 - 5.24 3.65 1400 4.22 1600 4.22 1600 4.75 1800 4.75	200	3.82	2.31	1.58
350 - 3.70 2.66 400 2.98 450 - 3.28 500 3.57  M51033629  100 1.13 0.63 0.42 200 2.20 1.23 0.84 300 3.23 1.82 1.24 400 4.22 2.40 1.64 500 - 2.97 2.00 600 - 3.53 2.42 700 - 4.07 2.80 800 3.54 1000 - 3.54 1000 - 3.54 1000 - 3.59  M51058541  200 1.67 0.93 0.63 400 3.24 1.82 1.25 600 4.50 2.73 1.83 800 5.56 3.51 2.46 1000 - 4.20 3.02 1200 - 5.24 3.65 1400 4.22 1600 4.22 1600 4.75 1800 4.75	250	-	2.81	1.90
400       -       -       2.98         450       -       -       3.28         500       -       -       3.57         M51033629       -       -       3.57         M51033629       -       -       0.63       0.42         200       2.20       1.23       0.84         300       3.23       1.82       1.24         400       4.22       2.40       1.64         500       -       2.97       2.00         600       -       3.53       2.42         700       -       4.07       2.80         800       -       -       3.17         900       -       -       3.54         1000       -       -       3.54         1000       -       -       3.90         M51058541       -       -       3.90         M51058541       -       -       3.51       2.25         600       4.50       2.73       1.83         800       5.56       3.51       2.46         1000       -       4.20       3.02         1200       -       4.20       3.65	300	-	3.27	2.32
450       -       -       3.28         500       -       -       3.57         M51033629       -       -       3.57         100       1.13       0.63       0.42         200       2.20       1.23       0.84         300       3.23       1.82       1.24         400       4.22       2.40       1.64         500       -       2.97       2.00         600       -       3.53       2.42         700       -       4.07       2.80         800       -       -       3.17         900       -       -       3.54         1000       -       -       3.90         M51058541       -       -       3.90         M51058541       -       -       3.93       0.63         400       3.24       1.82       1.25         600       4.50       2.73       1.83         800       5.56       3.51       2.46         1000       -       4.20       3.02         1200       -       4.20       3.65         1400       -       -       4.22	350	-	3.70	2.66
500       -       -       3.57         M51033629       100       1.13       0.63       0.42         200       2.20       1.23       0.84         300       3.23       1.82       1.24         400       4.22       2.40       1.64         500       -       2.97       2.00         600       -       3.53       2.42         700       -       4.07       2.80         800       -       -       3.17         900       -       -       3.54         1000       -       -       3.90         M51058541       -       -       3.90         M51058541       -       0.93       0.63         200       1.67       0.93       0.63         400       3.24       1.82       1.25         600       4.50       2.73       1.83         800       5.56       3.51       2.46         1000       -       4.20       3.02         1200       -       5.24       3.65         1400       -       -       4.22         1600       -       -       4.75	400	-	-	2.98
M51033629         100       1.13       0.63       0.42         200       2.20       1.23       0.84         300       3.23       1.82       1.24         400       4.22       2.40       1.64         500       -       2.97       2.00         600       -       3.53       2.42         700       -       4.07       2.80         800       -       -       3.17         900       -       -       3.54         1000       -       -       3.90         M51058541       -       0.93       0.63         400       3.24       1.82       1.25         600       4.50       2.73       1.83         800       5.56       3.51       2.46         1000       -       4.20       3.02         1200       -       5.24       3.65         1400       -       -       4.22         1600       -       -       4.75         1800       -       -       5.27	450	-	-	3.28
100       1.13       0.63       0.42         200       2.20       1.23       0.84         300       3.23       1.82       1.24         400       4.22       2.40       1.64         500       -       2.97       2.00         600       -       3.53       2.42         700       -       4.07       2.80         800       -       -       3.17         900       -       -       3.54         1000       -       -       3.90         M51058541       -       -       3.90         M51058541       -       -       3.93         200       1.67       0.93       0.63         400       3.24       1.82       1.25         600       4.50       2.73       1.83         800       5.56       3.51       2.46         1000       -       4.20       3.02         1200       -       5.24       3.65         1400       -       -       4.22         1600       -       -       4.75         1800       -       -       5.27	500	-	-	3.57
200       2.20       1.23       0.84         300       3.23       1.82       1.24         400       4.22       2.40       1.64         500       -       2.97       2.00         600       -       3.53       2.42         700       -       4.07       2.80         800       -       -       3.17         900       -       -       3.54         1000       -       -       3.90         M51058541       -       -       3.90         M51058541       -       -       3.00         200       1.67       0.93       0.63         400       3.24       1.82       1.25         600       4.50       2.73       1.83         800       5.56       3.51       2.46         1000       -       4.20       3.02         1200       -       5.24       3.65         1400       -       -       4.22         1600       -       -       4.75         1800       -       -       5.27	M51033629			
300       3.23       1.82       1.24         400       4.22       2.40       1.64         500       -       2.97       2.00         600       -       3.53       2.42         700       -       4.07       2.80         800       -       -       3.17         900       -       -       3.54         1000       -       -       3.90         M51058541         200       1.67       0.93       0.63         400       3.24       1.82       1.25         600       4.50       2.73       1.83         800       5.56       3.51       2.46         1000       -       4.20       3.02         1200       -       5.24       3.65         1400       -       -       4.22         1600       -       -       4.75         1800       -       -       5.27	100	1.13	0.63	0.42
400       4.22       2.40       1.64         500       -       2.97       2.00         600       -       3.53       2.42         700       -       4.07       2.80         800       -       -       3.17         900       -       -       3.54         1000       -       -       3.90         M51058541       -       3.90         200       1.67       0.93       0.63         400       3.24       1.82       1.25         600       4.50       2.73       1.83         800       5.56       3.51       2.46         1000       -       4.20       3.02         1200       -       5.24       3.65         1400       -       -       4.22         1600       -       -       4.75         1800       -       -       5.27	200	2.20	1.23	0.84
500       -       2.97       2.00         600       -       3.53       2.42         700       -       4.07       2.80         800       -       -       3.17         900       -       -       3.54         1000       -       -       3.90         M51058541       -       0.93       0.63         200       1.67       0.93       0.63         400       3.24       1.82       1.25         600       4.50       2.73       1.83         800       5.56       3.51       2.46         1000       -       4.20       3.02         1200       -       5.24       3.65         1400       -       -       4.22         1600       -       -       4.75         1800       -       -       5.27	300	3.23	1.82	1.24
600       -       3.53       2.42         700       -       4.07       2.80         800       -       -       3.17         900       -       -       3.54         1000       -       -       3.90         M51058541         200       1.67       0.93       0.63         400       3.24       1.82       1.25         600       4.50       2.73       1.83         800       5.56       3.51       2.46         1000       -       4.20       3.02         1200       -       5.24       3.65         1400       -       -       4.22         1600       -       -       4.75         1800       -       -       5.27	400	4.22	2.40	1.64
700       -       4.07       2.80         800       -       -       3.17         900       -       -       3.54         1000       -       -       3.90         M51058541       -       -       3.90         200       1.67       0.93       0.63         400       3.24       1.82       1.25         600       4.50       2.73       1.83         800       5.56       3.51       2.46         1000       -       4.20       3.02         1200       -       5.24       3.65         1400       -       -       4.22         1600       -       -       4.75         1800       -       -       5.27	500	-	2.97	2.00
800       -       -       3.17         900       -       -       3.54         1000       -       -       3.90         M51058541       -       -       3.90         200       1.67       0.93       0.63         400       3.24       1.82       1.25         600       4.50       2.73       1.83         800       5.56       3.51       2.46         1000       -       4.20       3.02         1200       -       5.24       3.65         1400       -       -       4.22         1600       -       -       4.75         1800       -       -       5.27	600	-	3.53	2.42
900       -       -       3.54         1000       -       -       3.90         M51058541       -       -       3.90         200       1.67       0.93       0.63         400       3.24       1.82       1.25         600       4.50       2.73       1.83         800       5.56       3.51       2.46         1000       -       4.20       3.02         1200       -       5.24       3.65         1400       -       -       4.22         1600       -       -       4.75         1800       -       -       5.27	700	-	4.07	2.80
1000     -     -     3.90       M51058541     -     0.93     0.63       200     1.67     0.93     0.63       400     3.24     1.82     1.25       600     4.50     2.73     1.83       800     5.56     3.51     2.46       1000     -     4.20     3.02       1200     -     5.24     3.65       1400     -     -     4.22       1600     -     -     4.75       1800     -     -     5.27	800	-	-	3.17
M51058541       200       1.67       0.93       0.63         400       3.24       1.82       1.25         600       4.50       2.73       1.83         800       5.56       3.51       2.46         1000       -       4.20       3.02         1200       -       5.24       3.65         1400       -       -       4.22         1600       -       -       4.75         1800       -       -       5.27	900	-	-	3.54
200       1.67       0.93       0.63         400       3.24       1.82       1.25         600       4.50       2.73       1.83         800       5.56       3.51       2.46         1000       -       4.20       3.02         1200       -       5.24       3.65         1400       -       -       4.22         1600       -       -       4.75         1800       -       -       5.27	1000	-	-	3.90
400       3.24       1.82       1.25         600       4.50       2.73       1.83         800       5.56       3.51       2.46         1000       -       4.20       3.02         1200       -       5.24       3.65         1400       -       -       4.22         1600       -       -       4.75         1800       -       -       5.27	M51058541			
600     4.50     2.73     1.83       800     5.56     3.51     2.46       1000     -     4.20     3.02       1200     -     5.24     3.65       1400     -     -     4.22       1600     -     -     4.75       1800     -     -     5.27	200	1.67	0.93	0.63
800     5.56     3.51     2.46       1000     -     4.20     3.02       1200     -     5.24     3.65       1400     -     -     4.22       1600     -     -     4.75       1800     -     -     5.27	400	3.24	1.82	1.25
1000       -       4.20       3.02         1200       -       5.24       3.65         1400       -       -       4.22         1600       -       -       4.75         1800       -       -       5.27	600	4.50	2.73	1.83
1200     -     5.24     3.65       1400     -     -     4.22       1600     -     -     4.75       1800     -     -     5.27	800	5.56	3.51	2.46
1400     -     -     4.22       1600     -     -     4.75       1800     -     -     5.27	1000	-	4.20	3.02
1600 4.75 1800 5.27	1200	-	5.24	3.65
1800 - 5.27	1400	-	-	4.22
	1600	-	-	4.75
2000 - 5.75	1800	-	-	5.27
	2000	-	-	5.75

