

To assist the isolation system designer we have provided the approximate deflections of Mackay isolators at various static loadings. It therefore becomes a simple matter to obtain the isolation efficiency by referring to the Mackay graph on “disturbing frequencies/deflections” (Shown in our current Flexible Isolator Catalogue). If you require any further technical data on Mackay isolators, please contact the Mackay Technical Department.

LOAD / DEFLECTION CHART

Part No.	Compression		Shear		Part No.	Compression		Shear	
	Load Kg	DEF mm	Load Kg	DEF mm		Load Kg	DEF mm	Load Kg	DEF mm
M11040	25	2.3	20	2.2	M13960	725	3.6	400	3.4
	30	2.8	25	2.7		750	3.7	425	3.6
	35	3.2	30	3.3		775	3.8	450	3.8
	40	3.7	35	3.8		800	3.9	475	4.0
M11050						825	4.1	500	4.2
	40	2.5	35	2.5		850	4.2	525	4.4
	45	2.8	40	2.8		875	4.3	550	4.6
	50	3.2	45	3.2		900	4.4		
M11060					M13970	1100	3.5	550	3.1
	31	1.0	21	1.0		1125	3.6	575	3.3
	60	2.0	54	2.0		1150	3.7	600	3.5
	85	3.0				1175	3.8	625	3.7
M11440						1200	3.9	650	4.0
	40	2.4	25	2.3		1225	4.0	675	4.2
	45	2.7	30	2.8		1250	4.1	700	4.4
	50	3.0	35	3.2		1275	4.2	725	4.5
M11450					M14040				
	55	3.3	40	3.7		200	3.3	100	3.3
	60	3.6				210	3.5	110	3.7
						220	3.7	120	4.0
M11460	60	2.4	40	2.4		230	3.9	130	4.3
	65	2.6	45	2.7		240	4.0	140	4.7
	70	2.8	50	3.0		250	4.2		
	75	3.0	55	3.3		260	4.3		
M11460	80	3.2	60	3.6		270	4.5		
	85	3.4				280	4.7		
					M14050				
						280	3.6	120	3.2
M11460	90	2.4	60	2.6		290	3.7	130	3.5
	95	2.6	65	2.8		300	3.8	140	3.7
	100	2.7	70	3.0		310	3.9	150	4.0
	105	2.8	75	3.2		320	4.1	160	4.3
M11460	110	3.0	80	3.4		330	4.2	170	4.5
	115	3.1				340	4.3	180	4.8
	120	3.2				350	4.4		
	125	3.4			M14060				
M11460	130	3.5				350	3.3	160	3.6
						375	3.5	170	3.8
						400	3.8	180	4.0
M13940	400	3.4	150	3.0		425	4.0	190	4.2
	425	3.6	175	3.5		450	4.2	200	4.4
	450	3.8	200	4.0		475	4.5		
	475	4.0	225	4.5		500	4.7		
M13950	500	4.2	250	5.0	M14080				
	525	4.4				650	3.4	200	3.3
	550	4.6				675	3.5	210	3.5
						700	3.7	220	3.7
M13950	550	3.5	250	3.1		725	3.8	230	3.8
	575	3.6	275	3.4		750	3.9	240	4.0
	600	3.8	300	3.7		775	4.1	250	4.2
	625	3.9	325	4.0		800	4.2	260	4.3
M13950	650	4.1	350	4.3		825	4.3	270	4.5
	675	4.2	375	4.6		850	4.5	280	4.7
	700	4.4	400	4.9		880	4.6		
	725	4.5							