

LC-4 Ultra Compact Low Frequency Vibration Isolator

Weight: Approximately 7 lb (3.1 kg)		
Dimensions:		
Low Frequency Horizontal 4.75" W x 4.75" D x 7" H (121mm W x 121mm D x 178mm H)		Ultra Low Frequency Horizontal 4.75" W x 4.75" D x 8" H (121mm W x 121mm D x 203mm H)
Load Capacities (approximate):		
Model	Payload Range	
25LC-4	25LC-4U	12 - 25 lb (5.4 - 11.3 kg)
35LC-4	35LC-4U	25 - 35 lb (11.3 - 15.8 kg)
50LC-4	50LC-4U	36 - 55 lb (16.3 - 25 kg)
70LC-4	70LC-4U	50 - 70 lb (22.6 - 31.7 kg)
100LC-4	100LC-4U	75 - 100 lb (34 - 45.3 kg)
125LC-4	125LC-4U	95 - 130 lb (43 - 59 kg)
Performance		
<ul style="list-style-type: none"> Vertical natural frequency of 1/2 Hz or less can be achieved over the entire load range. Horizontal natural frequency is load dependent. 1 1/2 Hz (low horiz. freq.) or 1/2 Hz (ultra low horiz. freq.) or less natural frequencies can be achieved at or near the nominal load. See Performance for a typical transmissibility curve with 1/2 Hz natural frequency. 		



Low frequency vibration isolator for weight loads from 15 to 130 lbs. and 1/2 Hz performance vertical and horizontal.

Minus K's new LC-4 is an ultra compact, low-frequency negative-stiffness isolator. It comes in two configurations, our low horizontal frequency performance of 1.5 Hz or our ultra low horizontal frequency performance of 0.5 Hz. Both configurations offer our signature 0.5 Hz vertical natural frequency.

The LC-4 isolators can be combined into multi isolator systems to support heavier payloads while taking up very little room themselves. The isolators are passive, manually-adjustable and require no air or electricity.

If needed, the LC-4 isolators can be customized to achieve user specific needs. Eg., different horizontal and vertical frequencies, damping, etc. They can also be made cleanroom and vacuum. compatible.

Typical Performance Curves:

