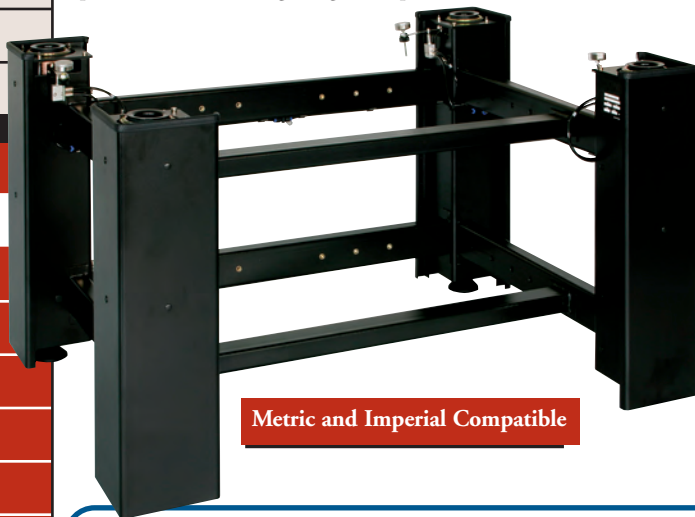


## Breadboard Support Frames – Active Isolation

Thorlabs' active isolation system is designed specifically to maximize vibration isolation for sensitive applications. It features a pneumatic self-leveling design that provides both vertical and

horizontal vibration isolation of the work surface and effectively attenuates low frequency vibrations. These isolators ensure high instrument resolution and repeatability. Typical applications include interferometry, cell injection, non-contact surface measurement, microscopy, and other motion-sensitive measurements. Select the active workstation if your application would benefit from a self-leveling facility and a high degree of vibration isolation. Please contact your nearest Thorlabs representative to discuss your options including custom sizes.



Metric and Imperial Compatible

### Specifications

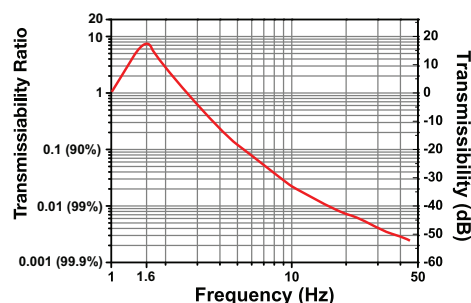
- **Load Capacity:** 1545 lbs (700 kg)
- **Air Pressure Required:** 100 psi (690 kPa) Maximum
- **Height:** 28" (700 mm) and 32" (800 mm)
- **Height Adjustment Range:**
  - Isolators: ±0.25" (6 mm)
  - Leveling Feet: ±0.4" (10 mm)
- **Self Leveling Repeatability:** ±0.010" (±0.25 mm)
- **Finish:** Black Paint

### Active Self-Leveling Vibration-Isolation Data\*

Resonant Frequency		Transmissibility (Isolation Efficiency)	
Vertical	Horizontal	Vertical	Horizontal
1.6 Hz	1.2 Hz	13 dB at Resonance	8 dB at Resonance
		-18 dB (87%) @ 5 Hz	-18 dB (87%) @ 5 Hz
		-34 dB (98%) @ 10 Hz	-34 dB (98%) @ 10 Hz

\*Performance values were measured at full rated load. Lighter tables or loads will have a higher vertical resonant frequency, lower transmissibility at resonance, and higher transmissibility at 10 Hz.

### Vertical Transmissibility of Active Isolation Frame



### Active Isolating Support Frames, 27.5" (700 mm) Height

Call for Lead Time

ITEM#*	\$	£	€	RMB	DESCRIPTION
PFA51509	\$ 2,539.80	£ 1,760.50	€ 2,255.00	¥ 21,447.00	Active Support Frame, 2.5' x 2.5' (750 mm x 750 mm)
PFA51505	\$ 2,556.80	£ 1,772.50	€ 2,270.00	¥ 21,590.00	Active Support Frame, 3' x 2.5' (900 mm x 750 mm)
PFA51506	\$ 2,573.80	£ 1,784.00	€ 2,285.00	¥ 21,734.00	Active Support Frame, 3' x 3' (900 mm x 900 mm)
PFA51508	\$ 2,573.80	£ 1,784.00	€ 2,285.00	¥ 21,734.00	Active Support Frame, 4' x 2.5' (1200 mm x 750 mm)
PFA51503	\$ 2,658.80	£ 1,843.00	€ 2,360.50	¥ 22,451.00	Active Support Frame, 4' x 4' (1200 mm x 1200 mm)
PFA51502	\$ 2,607.80	£ 1,808.00	€ 2,315.00	¥ 22,021.00	Active Support Frame, 5' x 3' (1500 mm x 900 mm)
PFA51504	\$ 2,675.80	£ 1,855.00	€ 2,375.50	¥ 22,595.00	Active Support Frame, 5' x 4' (1500 mm x 1200 mm)

\*Please contact your local sales office for a quotation including shipping.

### Active Isolating Support Frames, 27.5" (700 mm) Height

Stocked for Immediate Delivery

ITEM#*	\$	£	€	RMB	DESCRIPTION
PFA51507	\$ 2,607.80	£ 1,808.00	€ 2,315.00	¥ 22,021.00	Active Support Frame, 4' x 3' (1200 mm x 900 mm)

\*Please contact your local sales office for a quotation including shipping.

### Active Isolating Support Frames, 31.5" (800 mm) Height

Call for Lead Time

ITEM#*	\$	£	€	RMB	DESCRIPTION
PFA52509	\$ 2,550.00	£ 1,767.50	€ 2,264.00	¥ 21,533.00	Active Support Frame, 2.5' x 2.5' (750 mm x 750 mm)
PFA52505	\$ 2,567.00	£ 1,779.50	€ 2,279.00	¥ 21,676.00	Active Support Frame, 2.5' x 3' (750 mm x 900 mm)
PFA52508	\$ 2,584.00	£ 1,791.50	€ 2,294.00	¥ 21,820.00	Active Support Frame, 2.5' x 4' (750 mm x 1200 mm)
PFA52506	\$ 2,584.00	£ 1,791.50	€ 2,294.00	¥ 21,820.00	Active Support Frame, 3' x 3' (900 mm x 900 mm)
PFA52503	\$ 2,669.00	£ 1,850.00	€ 2,369.50	¥ 22,538.00	Active Support Frame, 4' x 4' (1200 mm x 1200 mm)

\*Please contact your local sales office for a quotation including shipping.

### Active Isolating Support Frames, 31.5" (800 mm) Height

Stocked for Immediate Delivery

ITEM#*	\$	£	€	RMB	DESCRIPTION
PFA52507	\$ 2,618.00	£ 1,815.00	€ 2,324.50	¥ 22,107.00	Active Support Frame, 3' x 4' (900 mm x 1200 mm)
PFA52504	\$ 2,686.00	£ 1,862.00	€ 2,384.50	¥ 22,681.00	Active Support Frame, 4' x 5' (1200 mm x 1500 mm)
PFA52502	\$ 2,618.00	£ 1,815.00	€ 2,324.50	¥ 22,107.00	Active Support Frame, 5' x 3' (1500 mm x 900 mm)