

Breadboard Support Frames – Passive Isolation (Page 1 of 2)



Metric and Imperial Compatible

This family of passive isolation systems incorporates four independent air mounts for general applications requiring isolation from low frequency vibrations. Each leg is manually controlled to achieve a level surface and does not require a constant source of air to maintain the setting.

Passive isolation is particularly effective for instruments with a high center of gravity, providing the stability and stiffness required to produce rapid attenuation of vibrational disturbances. For loads of 45 to 180 kg, the standard system is the most cost-effective solution. If the weight of your application and breadboard exceeds 180 kg, we recommend the heavy-duty design. Custom sizes are available. Please contact your local Thorlabs office (a list is provided on the back cover).

Vibration-Isolation Data*

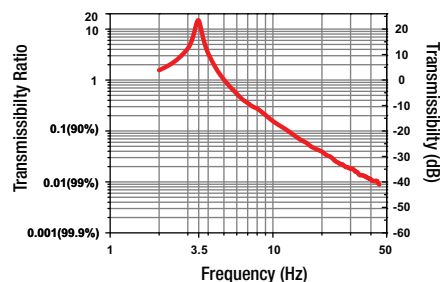
Resonant Frequency Vertical	Transmissibility or (Isolation Efficiency)
3.5 Hz	24 dB at Resonance
	-16 dB (0.15 Transmissibility Ratio) @ 10 Hz

*Note: Measured supporting a 4' x 8' x 8.3" (1.25 m x 2.5 m x 210 mm) table.

Specifications

- **Load Capacity:**
 - Standard: 50 - 570 lbs (24 - 260 kg)
 - Heavy Duty: 300 - 1540 lbs (135 - 700 kg)
- **Air Connection:** Schrader Valve
- **Air Pressure Required:** 72 psi (415 kPa) Maximum
- **Height:** 28" (700 mm) or 32" (800 mm)
- **Height Adjustment Range:** ± 0.4 " (10 mm) via Leveling Feet
- **Finish:** Black Paint

Vertical Transmissibility of Passive Isolation Frame



Standard Passive Isolating Support Frames, 28" (700 mm) Height

Call for Lead Time

ITEM#*	\$	£	€	RMB	DESCRIPTION
PPF51509	\$ 1,893.80	£ 1,313.00	€ 1,681.50	¥ 15,992.00	Standard Passive Support Frame, 2.5' x 2.5' (750 mm x 750 mm)
PPF51506	\$ 1,927.80	£ 1,336.50	€ 1,711.50	¥ 16,279.00	Standard Passive Support Frame, 3' x 3' (900 mm x 900 mm)
PPF51508	\$ 1,936.00	£ 1,342.00	€ 1,719.00	¥ 16,348.00	Standard Passive Support Frame, 4' x 2.5' (1200 mm x 750 mm)
PPF51502	\$ 1,979.00	£ 1,372.00	€ 1,757.00	¥ 16,711.00	Standard Passive Support Frame, 5' x 3' (1500 mm x 900 mm)

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

Standard Passive Isolating Support Frames, 28" (700 mm) Height

Stocked for Immediate Delivery

ITEM#*	\$	£	€	RMB	DESCRIPTION
PPF51507	\$ 1,945.00	£ 1,348.50	€ 1,727.00	¥ 16,424.00	Standard Passive Support Frame, 4' x 3' (1200 mm x 900 mm)

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

Heavy-Duty Passive Isolating Support Frames, 28" (700 mm) Height

Call for Lead Time

ITEM#*	\$	£	€	RMB	DESCRIPTION
PFH51509	\$ 1,945.00	£ 1,348.50	€ 1,727.00	¥ 16,424.00	Heavy-Duty Passive Support Frame, 2.5' x 2.5' (750 mm x 750 mm)
PFH51506	\$ 1,979.00	£ 1,372.00	€ 1,757.00	¥ 16,711.00	Heavy-Duty Passive Support Frame, 3' x 3' (900 mm x 900 mm)
PFH51508	\$ 1,987.30	£ 1,377.50	€ 1,764.50	¥ 16,781.00	Heavy-Duty Passive Support Frame, 4' x 2.5' (1200 mm x 750 mm)
PFH51507	\$ 1,995.80	£ 1,383.50	€ 1,772.00	¥ 16,853.00	Heavy-Duty Passive Support Frame, 4' x 3' (1200 mm x 900 mm)

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

Heavy-Duty Passive Isolating Support Frames, 28" (700 mm) Height

Stocked for Immediate Delivery

ITEM#*	\$	£	€	RMB	DESCRIPTION
PFH51502	\$ 2,029.80	£ 1,407.00	€ 1,802.00	¥ 17,140.00	Heavy Duty Passive Support Frame, 5' x 3' (1500 mm x 900 mm)

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

Casters

ITEM#	\$	£	€	RMB	DESCRIPTION
PWA061	\$ 114.50	£ 79.40	€ 101.70	¥ 966.90	Set of 4 Casters

Breadboard Support Frames – Passive Isolation (Page 2 of 2)

Standard Passive Isolating Support Frames, 32" (800 mm) Height

Call for Lead Time

ITEM#*	\$	£	€	RMB	DESCRIPTION
PF52505	\$ 1,921.00	£ 1,331.50	€ 1,705.50	¥ 16,221.00	Standard Passive Support Frame, 3' x 2.5' (900 mm x 750 mm)
PF52508	\$ 1,946.50	£ 1,349.50	€ 1,728.00	¥ 16,437.00	Standard Passive Support Frame, 4' x 2.5' (1200 mm x 750 mm)
PF52503	\$ 2,023.00	£ 1,402.50	€ 1,796.00	¥ 17,083.00	Standard Passive Support Frame, 4' x 4' (1200 mm x 1200 mm)
PF52501	\$ 1,972.00	£ 1,367.00	€ 1,751.00	¥ 16,652.00	Standard Passive Support Frame, 5' x 2.5' (1500 mm x 750 mm)
PF52504	\$ 2,040.00	£ 1,414.00	€ 1,811.00	¥ 17,226.00	Standard Passive Support Frame, 5' x 4' (1500 mm x 1200 mm)

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

Standard Passive Isolating Support Frames, 32" (800 mm) Height

Stocked for Immediate Delivery

ITEM#*	\$	£	€	RMB	DESCRIPTION
PF52502	\$ 1,989.00	£ 1,379.00	€ 1,766.00	¥ 16,796.00	Standard Passive Support Frame, 5' x 3' (1500 mm x 900 mm)

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

Heavy-Duty Passive Isolating Support Frames, 32" (800 mm) Height

Call for Lead Time

ITEM#*	\$	£	€	RMB	DESCRIPTION
PFH52505	\$ 1,972.00	£ 1,367.00	€ 1,751.00	¥ 16,652.00	Heavy-Duty Passive Support Frame, 3' x 2.5' (900 mm x 750 mm)
PFH52508	\$ 1,997.50	£ 1,384.50	€ 1,773.50	¥ 16,867.00	Heavy-Duty Passive Support Frame, 4' x 2.5' (1200 mm x 750 mm)
PFH52507	\$ 2,006.00	£ 1,390.50	€ 1,781.00	¥ 16,939.00	Heavy-Duty Passive Support Frame, 4' x 3' (1200 mm x 900 mm)
PFH52503	\$ 2,074.00	£ 1,437.50	€ 1,841.50	¥ 17,513.00	Heavy-Duty Passive Support Frame, 4' x 4' (1200 mm x 1200 mm)
PFH52501	\$ 2,023.00	£ 1,402.50	€ 1,796.00	¥ 17,083.00	Heavy-Duty Passive Support Frame, 5' x 2.5' (1500 mm x 750 mm)
PFH52504	\$ 2,091.00	£ 1,449.50	€ 1,856.50	¥ 17,657.00	Heavy-Duty Passive Support Frame, 5' x 4' (1500 mm x 1200 mm)

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

Heavy-Duty Passive Isolating Support Frames, 32" (800 mm) Height

Stocked for Immediate Delivery

ITEM#*	\$	£	€	RMB	DESCRIPTION
PFH52502	\$ 2,040.00	£ 1,414.00	€ 1,811.00	¥ 17,226.00	Heavy-Duty Passive Support Frame, 5' x 3' (1500 mm x 900 mm)

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

Casters

ITEM#	\$	£	€	RMB	DESCRIPTION
PWA061	\$ 114.50	£ 79.40	€ 101.70	¥ 966.90	Set of 4 Casters

Workstations

Frames • Tabletops • Accessories

Thorlabs' ScienceDesks are a series of high-quality, ergonomic, modular workstations designed to reduce vibrations common to the lab environment. They are ideally suited for vibration-sensitive microscopy applications, such as those typically found in the fields of high-resolution microscopy, confocal microscopy, scanning probe microscopy, and electrophysiology.



ScienceDesk™

**TOOLS
OF THE
TRADE**

Configure to Satisfy Your Workspace Requirement

Made Simple