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Introduction to Breadboard Supports

Thorlabs offers three types of breadboard supports to meet the needs of specific applications and budgets: rigid, passive, and active self-leveling. All of our supports are constructed from steel, welded together, and finished with a high-durability, matte black polyurethane paint. They are shipped fully assembled and can be accurately leveled with the four leveling feet during installation, thereby eliminating the effects of uneven flooring.

Optional casters can also be purchased for use with these breadboard supports. When casters are installed beneath each leg, the feet on the frame can be retracted, thereby enabling easy movement of the frame and mounted breadboard. The appropriate breadboard for each frame can be found in the breadboard section starting on page 1. The working height is nominally 31" (790 mm) for 2.4" (60 mm) thick breadboards, and 33" (840 mm) for 4.3" (110 mm) thick breadboards.



Passive Isolation  
Support Frames  
(See Page 14)



Active Isolation  
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Rigid Support Frames  
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Selection Guide

	RIGID FRAMES (See Page 13)	PASSIVE ISOLATION FRAMES (See Page 14)	ACTIVE ISOLATION FRAMES (See Page 15)	
		Vertical	Vertical	Horizontal
Resonant Frequency	Non-Isolating	3.5 Hz	1.6 Hz	1.2 Hz
Transmissibility (at Resonance)	Non-Isolating	24 dB	13 dB	8 dB
Transmissibility (at 10 Hz)	Non-Isolating	-16 dB (85% Efficiency)	-34 dB (98%)	-34 dB (98%)
Isolation Type	Non-Isolating	Passive	Active	
Load Capacity	1545 lbs (700 kg)	Standard: 50 - 570 lbs (24 - 260 kg) Heavy-Duty: 300 - 1540 lbs (135 - 700 kg)	1545 lbs (700 kg)	

Have you seen our...

Frames for Solid  
Aluminum Breadboards

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