

Performance™ Series of Optical Breadboards (Page 1 of 2)

Thorlabs' Performance Series of optical breadboards provides high performance at an economical price. A favorite of OEMs, these all-steel breadboards are also an ideal laboratory platform for optical and laser experiments. Since prices and shipping method vary based on size and weight, please contact your local sales office for a quotation including shipping.

- Athermalized Design for Excellent Thermal Stability
- Minimal Deflection Under Load (Technical Details can be Found on Our Website)
- Plated Steel Honeycomb Core and Internal Damping Provide Both Static and Dynamic Rigidity
- Magnetic Stainless Steel Top and Bottom Plate
- Our State-of-the-Art Material and a Thermal Bonding Process Achieve an Excellent Surface Flatness



Specifications

- **Hole Spacing:**
 - Imperial: 1/4"-20 on 1" Centers
 - Metric: M6 x 1.0 on 25 mm Centers
- **Flatness:** ±0.005" (±0.13 mm) Over any 1 ft² (0.3 m²) Area
- **Thickness:** (2.4") 60 mm or (4.3") 110 mm
- **Construction:** Double-Plated, Single Honeycomb-Core, Athermalized Design
- **Core:** High-Density Plated Steel Honeycomb
- **Top Plate:** Magnetic Stainless Steel, 3/16" (5 mm) Thick, Brush Finished
- **Bottom Plate:** Magnetic Stainless Steel, 3/16" (5 mm) Thick
- **Sides:** Black Laminated Steel
- **Mounting Holes:** Not Sealed
- **Edge of Top Plate to First Hole:**
 - Imperial: 2"
 - Metric: 50 mm

**OEM Inquires
Welcome,
Custom Sizes
Available**

See the Selection Guide on
Page 2 for a Listing of All
Available Models

Performance™ Series of Optical Breadboards, 2.4" (60 mm) Thick

Imperial Performance™ Breadboards, 2.4" Thick

Stocked for Immediate Shipment

ITEM#	\$	£	€	RMB	DIMENSIONS	WEIGHT**
PBH11101	\$ 450.00	£ 312.00	€ 399.60	¥ 3,799.90	1' x 1' x 2.4"	22 lbs/10 kg
PBH11102	\$ 520.00	£ 360.50	€ 461.70	¥ 4,390.90	2' x 1' x 2.4"	41.8 lbs/19 kg
PBH11122	\$ 595.00	£ 412.50	€ 528.30	¥ 5,024.20	2' x 1.5' x 2.4"	57.2 lbs/26 kg
PBH11105	\$ 675.00	£ 468.00	€ 599.30	¥ 5,699.80	2' x 2' x 2.4"	79.2lbs/36 kg
PBH11110	\$ 830.00	£ 575.40	€ 736.90	¥ 7,008.60	2.5' x 2.5' x 2.4"	123.2 lbs/56 kg
PBH11103	\$ 605.00	£ 419.40	€ 537.20	¥ 5,108.70	3' x 1' x 2.4"	61.6 lbs/28 kg
PBH11106	\$ 810.00	£ 561.60	€ 719.20	¥ 6,839.70	3' x 2' x 2.4"	114.4 lbs/52 kg
PBH11111*	\$ 1,020.00	£ 707.10	€ 905.60	¥ 8,613.00	3' x 2.5' x 2.4"	147.4 lbs/67 kg
PBH11114	\$ 1,060.00	£ 734.90	€ 941.10	¥ 8,950.70	3' x 3' x 2.4"	173.8 lbs/79 kg
PBH11107	\$ 940.00	£ 651.70	€ 834.60	¥ 7,937.40	4' x 2' x 2.4"	151.8 lbs/69 kg
PBH11112*	\$ 1,160.00	£ 804.20	€ 1,029.90	¥ 9,795.10	4' x 2.5' x 2.4"	193.6 lbs/88 kg
PBH11115*	\$ 1,240.00	£ 859.60	€ 1,100.90	¥ 10,471.00	4' x 3' x 2.4"	226.6 lbs/103 kg
PBH11108	\$ 1,065.00	£ 738.30	€ 945.60	¥ 8,992.90	5' x 2' x 2.4"	189 lbs/86 kg
PBH11113	\$ 1,340.00	£ 929.00	€ 1,189.70	¥ 11,315.00	5' x 2.5' x 2.4"	235.4 lbs/107 kg
PBH11116	\$ 1,430.00	£ 991.40	€ 1,269.50	¥ 12,075.00	5' x 3' x 2.4"	279.4 lbs/127 kg
PBH11117	\$ 1,680.00	£ 1,164.50	€ 1,491.50	¥ 14,186.00	6' x 3' x 2.4"	341 lbs/155 kg
PBH11120	\$ 2,100.00	£ 1,456.00	€ 1,864.50	¥ 17,733.00	6' x 4' x 2.4"	473 lbs/215 kg

* These breadboards are compatible with our ScienceDesk frames.

**The weights given are for the breadboards alone and do not include packaging.

Performance™ Series of Optical Breadboards (Page 2 of 2)

Metric Performance™ Breadboards, 60 mm Thick

Stocked for Immediate Shipment

ITEM#	\$	£	€	RMB	DIMENSIONS	WEIGHT*
PBH51501	\$ 450.00	£ 312.00	€ 399.60	¥ 3,799.90	300 mm x 300 mm x 60 mm	24.2 lbs/11 kg
PBH51502	\$ 520.00	£ 360.50	€ 461.70	¥ 4,390.90	600 mm x 300 mm x 60 mm	39.6 lbs/18 kg
PBH51528	\$ 595.00	£ 412.50	€ 528.30	¥ 5,024.20	600 mm x 450 mm x 60 mm	57.2 lbs/26 kg
PBH51505	\$ 675.00	£ 468.00	€ 599.30	¥ 5,699.80	600 mm x 600 mm x 60 mm	77 lbs/35 kg
PBH51510	\$ 830.00	£ 575.40	€ 736.90	¥ 7,008.60	750 mm x 750 mm x 60 mm	114.4 lbs/52 kg
PBH51503	\$ 605.00	£ 419.40	€ 537.20	¥ 5,108.70	900 mm x 300 mm x 60 mm	61.6 lbs/28 kg
PBH51506	\$ 810.00	£ 561.60	€ 719.20	¥ 6,839.70	900 mm x 600 mm x 60 mm	114.4 lbs/52 kg
PBH51511*	\$ 1,020.00	£ 707.10	€ 905.60	¥ 8,613.00	900 mm x 750 mm x 60 mm	147.4 lbs/67 kg
PBH51514	\$ 1,060.00	£ 734.90	€ 941.10	¥ 8,950.70	900 mm x 900 mm x 60 mm	173.8 lbs/79 kg
PBH51507	\$ 940.00	£ 651.70	€ 834.60	¥ 7,937.40	1200 mm x 600 mm x 60 mm	149.6 lbs/68 kg
PBH51512*	\$ 1,160.00	£ 804.20	€ 1,029.90	¥ 9,795.10	1200 mm x 750 mm x 60 mm	193.6 lbs/88 kg
PBH51515*	\$ 1,240.00	£ 859.60	€ 1,100.90	¥ 10,471.00	1200 mm x 900 mm x 60 mm	231 lbs/105 kg
PBH51508	\$ 1,065.00	£ 738.30	€ 945.60	¥ 8,992.90	1500 mm x 600 mm x 60 mm	184.8 lbs/84 kg
PBH51513	\$ 1,340.00	£ 929.00	€ 1,189.70	¥ 11,315.00	1500 mm x 750 mm x 60 mm	239.8 lbs/109 kg
PBH51516	\$ 1,430.00	£ 991.40	€ 1,269.50	¥ 12,075.00	1500 mm x 900 mm x 60 mm	265 lbs/120 kg
PBH51517	\$ 1,680.00	£ 1,164.50	€ 1,491.50	¥ 14,186.00	1800 mm x 900 mm x 60 mm	341 lbs/155 kg
PBH51525	\$ 2,100.00	£ 1,456.00	€ 1,864.50	¥ 17,733.00	1800 mm x 1250 mm x 60 mm	473 lbs/215 kg
PBH51522	\$ 1,930.00	£ 1,338.00	€ 1,713.50	¥ 16,297.00	2000 mm x 1000 mm x 60 mm	403 lbs/183 kg

*These breadboards can be used with our ScienceDesk™ workstations. See pages 25-32 to learn more.

**The weights given are for the breadboards alone and do not include packaging.

Performance™ Series Optical Breadboards, 4.3" (110 mm) Thick

Imperial Performance™ Breadboards, 4.3" Thick

Stocked for Immediate Shipment

ITEM#	\$	£	€	RMB	DIMENSIONS	WEIGHT*
PBH12110	\$ 871.50	£ 604.20	€ 773.80	¥ 7,359.00	2.5' x 2.5' x 4.3"	148 lbs/67 kg
PBH12111	\$ 1,075.00	£ 745.30	€ 954.40	¥ 9,077.40	3' x 2.5' x 4.3"	173.8 lbs/79 kg
PBH12107	\$ 990.00	£ 686.30	€ 879.00	¥ 8,359.60	4' x 2' x 4.3"	184.8 lbs/84 kg
PBH12112	\$ 1,245.00	£ 863.10	€ 1,105.40	¥ 10,513.00	4' x 2.5' x 4.3"	228.8 lbs/104 kg
PBH12115	\$ 1,305.00	£ 904.70	€ 1,158.60	¥ 11,020.00	4' x 3' x 4.3"	270.6 lbs/123 kg
PBH12116	\$ 1,510.00	£ 1,047.00	€ 1,340.50	¥ 12,751.00	5' x 3' x 4.3"	325.6 lbs/148 kg
PBH12117	\$ 1,764.00	£ 1,223.00	€ 1,566.00	¥ 14,896.00	6' x 3' x 4.3"	450 lbs/204 kg

*The weights given are for the breadboards alone and do not include packaging.

Imperial Performance™ Breadboards, 4.3" Thick

Call for Lead Time

ITEM#	\$	£	€	RMB	DIMENSIONS	WEIGHT*
PBH12106	\$ 850.50	£ 589.60	€ 755.10	¥ 7,181.70	3' x 2' x 4.3"	132 lbs/60 kg
PBH12114	\$ 1,113.00	£ 771.60	€ 988.20	¥ 9,398.20	3' x 3' x 4.3"	206.8 lbs/94 kg
PBH12113	\$ 1,410.00	£ 977.50	€ 1,252.00	¥ 11,907.00	5' x 2.5' x 4.3"	325.6 lbs/148 kg

*The weights given are for the breadboards alone and do not include packaging.

Metric Performance™ Breadboards, 110 mm Thick

Stocked for Immediate Shipment

ITEM#	\$	£	€	RMB	DIMENSIONS	WEIGHT*
PBH52510	\$ 871.50	£ 604.20	€ 773.80	¥ 7,359.00	750 mm x 750 mm x 110 mm	130 lbs/59 kg
PBH52511	\$ 1,075.00	£ 745.30	€ 954.40	¥ 9,077.40	900 mm x 750 mm x 110 mm	173.8 lbs/79 kg
PBH52507	\$ 990.00	£ 686.30	€ 879.00	¥ 8,359.60	1200 mm x 600 mm x 110 mm	181 lbs/82 kg
PBH52512	\$ 1,245.00	£ 863.10	€ 1,105.40	¥ 10,513.00	1200 mm x 750 mm x 110 mm	228.8 lbs/104 kg
PBH52515	\$ 1,305.00	£ 904.70	€ 1,158.60	¥ 11,020.00	1200 mm x 900 mm x 110 mm	270.6 lbs/123 kg
PBH52516	\$ 1,510.00	£ 1,047.00	€ 1,340.50	¥ 12,751.00	1500 mm x 900 mm x 110 mm	334.4 lbs/152 kg
PBH52517	\$ 1,764.00	£ 1,223.00	€ 1,566.00	¥ 14,896.00	1800 mm x 900 mm x 110 mm	398.2 lbs/181 kg

*The weights given are for the breadboards alone and do not include packaging.

Metric Performance™ Breadboards, 110 mm Thick

Call for Lead Time

ITEM#	\$	£	€	RMB	DIMENSIONS	WEIGHT*
PBH52514	\$ 1,113.00	£ 771.60	€ 988.20	¥ 9,398.20	900 mm x 900 mm x 110 mm	190 lbs/86 kg
PBH52506	\$ 850.50	£ 589.60	€ 755.10	¥ 7,181.70	900 mm x 600 mm x 110 mm	132 lbs/60 kg
PBH52513	\$ 1,410.00	£ 977.50	€ 1,252.00	¥ 11,907.00	1500 mm x 750 mm x 110 mm	261.8 lbs/119 kg
PBH52521	\$ 1,690.00	£ 1,171.50	€ 1,500.50	¥ 14,271.00	1500 mm x 1000 mm x 110 mm	297 lbs/135 kg
PBH52522	\$ 2,025.00	£ 1,404.00	€ 1,798.00	¥ 17,100.00	2000 mm x 1000 mm x 110 mm	488.4 lbs/222 kg
PBH52526	\$ 2,520.00	£ 1,747.00	€ 2,237.50	¥ 21,279.00	2000 mm x 1250 mm x 110 mm	607.2 lbs/276 kg

*The weights given are for the breadboards alone and do not include packaging.