



CVI Melles Griot Performance™ optical breadboards provide good performance at an economical price. These all-steel breadboards are ideal as general purpose platforms for instrument bases as well as for optical and laser experiments.

- Extremely flat stainless steel top and bottom plates with identical thickness
- Unique athermalized design to maximize thermal stability
- Steel core and internal damping for static and dynamic rigidity
- Magnetic top and bottom plates for mounting versatility
- Inch and metric versions

SPECIFICATIONS:

Performance™-Series Optical Breadboards

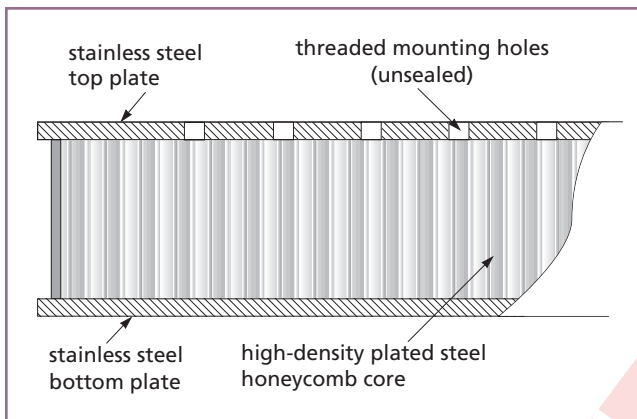
Flatness	± 0.10 mm (± 0.004 in.) over any 0.25-m ² area
Thickness	60 mm (2.4 in.) or 110 mm (4.3 in.)
Construction	Double-plate, single honeycomb-core, athermalized design
Damping	Nominal
Top Plate Material	Magnetic stainless steel, 5 mm (3/16 in.) thick, brush finished
Bottom Plate Material	Magnetic stainless steel, 5 mm (3/16 in.) thick
Main Core Material	High-density plated-steel honeycomb
Side Material	Black laminated steel
Hole Pattern	
Inch	¼-20 on 1-in. centers
Metric	M6 on 25-mm centers
Edge of Top Plate to First Hole	
Inch	2 in.
Metric	50 mm
Mounting Holes	Not sealed

Performance™ Series-Breadboards (Inch)

W × L (ft × ft)	Weight (lb)	Thickness (in.)	PART NUMBER
1 × 2	44	2.4	07 OBH 002
1 × 3	62	2.4	07 OBH 003
2 × 2	73	2.4	07 OBH 005
2 × 3	117	2.4	07 OBH 006
2 × 4	152	2.4	07 OBH 007
3 × 3	165	2.4	07 OBH 009
3 × 4	224	2.4	07 OBH 012
3 × 5	268	2.4	07 OBH 013
2.5 × 3	136	2.4	07 OBH 021
2.5 × 4	183	2.4	07 OBH 022
2.5 × 5	211	2.4	07 OBH 023
3 × 4	271	4.4	07 OBH 062
2.5 × 3	174	4.5	07 OBH 071
2.5 × 4	229	4.6	07 OBH 072

Performance™-Series Breadboards (Metric)

W × L (m × m)	Weight (kg)	Thickness (mm)	PART NUMBER
0.3 × 0.6	20	60	07 OBH 502
0.3 × 0.9	28	60	07 OBH 503
0.6 × 0.6	33	60	07 OBH 505
0.6 × 0.9	53	60	07 OBH 506
0.6 × 1.2	69	60	07 OBH 507
0.9 × 0.9	75	60	07 OBH 509
0.9 × 1.2	102	60	07 OBH 512
0.9 × 1.5	122	60	07 OBH 513
0.75 × 0.9	62	60	07 OBH 521
0.75 × 1.2	84	60	07 OBH 522
0.75 × 1.5	96	60	07 OBH 523
0.75 × 0.75	53	60	07 OBH 524
0.9 × 1.2	123	110	07 OBH 562
0.75 × 0.9	79	110	07 OBH 571
0.75 × 1.2	95	110	07 OBH 572



Cross-section of Performance™ optical breadboard

Do you need ...

STANDOFF POSTS

StableRod™ mounting posts like the 07 DUP series can be used as standoff posts for optical breadboards.



- Heights from 178 mm to 624 mm (7.0 to 24.6 in.)
- Permanent or removable bases
- Undamped or damped versions
- Made of nickel-plated steel