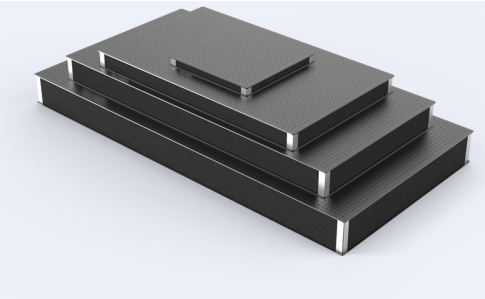
NTBK Series Honeycomb Optical Breadboards, 50–300 mm Thick, Sealed M6 Holes

Model NTBK Series · waveqvanta.com/products/ntbk-series-honeycomb-optical-breadboards

Bonded honeycomb optical breadboards with sealed cups under every M6 hole, in 53 sizes up to 3000 × 1500 mm.



NTBK Series breadboards use a hexagonal bonded trussed honeycomb core between a 5 mm SUS430 stainless steel working surface and a 4–6 mm carbon steel bottom skin. Each threaded M6 hole has its own sealed isolation cup underneath for easy cleaning. Fifty-three models run from 300 × 300 × 50 mm to 3000 × 1500 × 300 mm.

Key features

- Hexagonal bonded trussed honeycomb core
- Individual sealed isolation cup below each threaded hole for easy cleaning
- 5 mm thick SUS430 (1Cr17) high magnetic conductivity stainless steel working surface
- 4–6 mm carbon steel bottom skin
- Surface flatness 0.1 mm over 600 mm × 600 mm
- M6 holes on a 25 mm × 25 mm grid, 37.5 mm from the edges
- Black PU leather side trim with stainless steel corner covers

Specifications

Core Structure	Hexagonal bonded trussed honeycomb
Hole Sealing	Individual isolation cup below each threaded hole
Working Surface	5 mm thick SUS430 (1Cr17) stainless steel
Bottom Skin	4–6 mm thick carbon steel
Sizes	300 × 300 mm to 3000 × 1500 mm (53 models)
Overall Thickness	50 / 100 / 150 / 200 / 300 mm
Surface Flatness	0.1 mm / 600 mm × 600 mm
Mounting Holes	M6
Hole Grid	25 mm × 25 mm
Hole to Border	37.5 mm
Weight per Area	about 90 kg/m^2 (50 mm), 115 (100 mm), 120 (150 mm), 135 (200 mm), 162 (300 mm)
Side Panels	Black PU leather, stainless steel corner covers

Model overview

Models	Length × Width (mm)	Thickness (mm)
NTBK33-50	300 × 300	50
NTBK345-50	450 × 300	50
NTBK4545-50	450 × 450	50
NTBK36-50	600 × 300	50
NTBK456-50	600 × 450	50
NTBK66-100	600 × 600	100
NTBK459-100	900 × 450	100
NTBK69-100	900 × 600	100

Models	Length × Width (mm)	Thickness (mm)
NTBK99-100	900 × 900	100
NTBK810-100	1000 × 800	100
NTBK612-100	1200 × 600	100
NTBK812-100	1200 × 800	100
NTBK912-100	1200 × 900	100
NTBK1212-100	1200 × 1200	100
NTBK615-100	1500 × 600	100
NTBK915-100 / -150 / -200	1500 × 900	100 / 150 / 200
NTBK1015-100 / -150 / -200	1500 × 1000	100 / 150 / 200
NTBK1215-100 / -150 / -200	1500 × 1200	100 / 150 / 200
NTBK1515-100 / -150 / -200	1500 × 1500	100 / 150 / 200
NTBK918-100 / -150 / -200	1800 × 900	100 / 150 / 200
NTBK1018-100 / -150 / -200	1800 × 1000	100 / 150 / 200
NTBK1218-100 / -150 / -200	1800 × 1200	100 / 150 / 200
NTBK1518-100 / -150 / -200	1800 × 1500	100 / 150 / 200
NTBK1020-150 / -200	2000 × 1000	150 / 200
NTBK1220-150 / -200	2000 × 1200	150 / 200
NTBK1520-150 / -200	2000 × 1500	150 / 200
NTBK1224-150 / -200	2400 × 1200	150 / 200
NTBK1524-150 / -200	2400 × 1500	150 / 200
NTBK1230-200 / -300	3000 × 1200	200 / 300
NTBK1530-200 / -300	3000 × 1500	200 / 300

Typical applications

- Optical and laser experiment layouts
- Mounting optical instruments and sub-systems
- Work surfaces on frames or isolation supports
- Laboratory setups needing easy-to-clean mounting holes