

Pitch and Roll Platform, 0.75" (19 mm) Thick

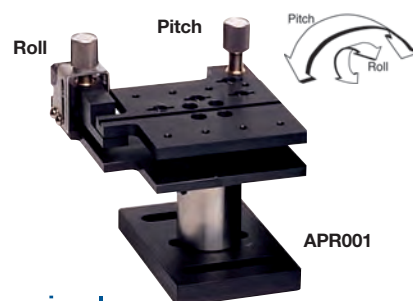
Specifications

- **Travel:** $\pm 4^\circ$ per Axis
- **Resolution:** 10 arcsec
- Effective Three-Axis to Five-Axis Stage Upgrade
- Tilt Platform 0.75" (19 mm) Thick

The APR001 provides pitch and roll adjustment about the optical axis. It was designed for use with our NanoMax™, MicroBlock™, or RollerBlock™ families of three-axis stages (see pages 542 – 559) and provides a cost efficient upgrade to five-axis positioning. The thumbscrew drives allow adjustment up to $\pm 4^\circ$ per axis with a resolution of 10 arcsec.

The APR001 includes a pitch and roll platform, a mounting post, and base. When the stage is mounted on the post and base, the optical axis height is equivalent to the optical axis height of Thorlabs' NanoMax™, MicroBlock™, and RollerBlock™ families of three-axis stages. Mounting components can then be attached to the platform and adjusted in pitch and roll.

The mounting post included produces an optical height of 75 mm (62.5 mm post plus 12.5 mm accessory height). The photo to the right shows the APR001 mounted in front of our NanoMax™ three-axis flexure stage.



Alternatively, the pitch and roll platform can be removed from the post and fixed directly to the stage in place of the standard top plate. This allows components mounted on the stage to be adjusted in pitch and roll and raises the optical axis height by 15 mm (from 75 mm to 90 mm).

Angle bracket and spacer block kits are available separately (see page 574), which raise components on stages without an APR001 to the same height.

ITEM #	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
APR001	APR001/M	\$ 521.00	£ 375.12	€ 453.27	¥ 4,152.37	Roll and Pitch Platform with Thumbscrew Drives

Angle Bracket and Spacer Block Kit

When a pitch/yaw or pitch/roll platform such as the APR001 featured on page 585 is removed from its post and bolted directly to a 3-axis stage in place of the standard top plate, it raises the optical axis height of the stage by 15 mm (0.6") to 90 mm.

The ABS002 Angle Bracket and Spacer Block Kit can be fitted to the side of the stage to raise mating components to the same height as those on the 3-axis stage equipped with a pitch/yaw or pitch/roll platform.



NanoMax™ Stage with Pitch and Roll Stage Plus the ABS002 Spacer Block Fitted to the Side.

ITEM #	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
ABS002	ABS002/M	\$ 124.50	£ 89.64	€ 108.32	¥ 992.27	Angle Bracket and Spacer Block Kit