



NanoRoll™ Accessory, ±6° of Rotation

Specifications

- Mechanical Travel: ±6° of Roll
- Piezoelectric Travel: 45 arcsec. of Roll at 75V
- Mechanical Resolution: 10 arcsec. of Coarse & 1 arcsec. of Fine Control
- Piezoelectric Resolution: 0.1 arcsec
- Load Capacity: 500g (1.1 lbs)



Patented
6,186,016



AMR001D
Attaches directly to the
NanoMax™ or MicroBlock™
3 Axis Stages



The AMR001D flexure rotation stage provides ±6° of roll, this degree of freedom is important for ribbon fiber coupling applications that require simultaneous optimization of multiple fibers.

Two Models with Mechanical/Piezo Drives

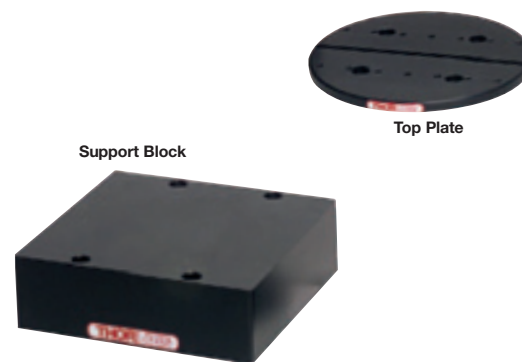
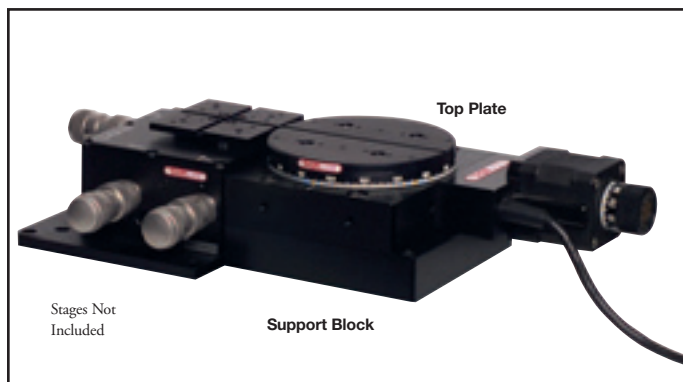
These two models feature a high resolution differential drive, the coarse control provides 10 arcsec. of resolution over a travel range of 12°, while the ultra-fine control provides 1 arcsecond of resolution over a range of 10 arcminutes.

The AMR001DP comes with a built in piezoelectric actuator that provides fine control over 45 arcseconds with a resolution of 0.1 arcseconds. The maximum operating voltage of 75V provides 45 arcsec. of rotation.

NanoRoll™ Accessory and Option

ITEM#	METRIC ITEM #	\$	£	€	¥	DESCRIPTION
AMR001D	AMR001D/M	\$ 1,275.00	£ 750.00	€ 1,125.00	¥ 210,000	NanoRoll Rotation Accessory
AMR001DP	AMR001DP/M	\$ 1,623.50	£ 955.00	€ 1,432.50	¥ 267,400	NanoRoll Rotation Accessory with Piezo Option

Adapter Set for Combining Stepper Driven Rotation & 3 Axis Translator



The AMA504 adapter set is used to allow our high resolution stepper motor driven rotation stage (see page 264 for NanoRotator™ details) to be incorporated into applications that are built around our 3-axis flexure systems (RollerBlock™, MicroBlock™, and NanoMax™ families of stages). The support block provides the necessary spacing to ensure that the rotation stage has a deck height of 62.5mm when fitted up with the round adapter plate that accepts all of our standard 3mm keyed accessories.

Adapter Set

ITEM#	METRIC ITEM #	\$	£	€	¥	DESCRIPTION
AMA504	AMA504/M	\$ 71.40	£ 42.00	€ 63.00	¥ 11,760	Adapter Set NanoRotator™ to 62.5mm Deck Height