For current pricing, please see our website.

## Indexing Ø1" Mount

- Rotates in 15 Discrete Steps to Allow Precise Redirection of Shared Laser
- Kinematic Ball Seat Design with Repeatability Better than 10 μrad





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**Optomechanics** 

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The NX1 indexing mount is ideal for precise steering of a shared laser beam to multiple setups on an optical table or breadboard. It is an SM1 (1.035"-40) threaded, 15-position indexing kinematic mount for  $\emptyset$ 1" optics up to 7.0 mm thick. Each indexed position is labeled, and the top mounting platform offers repositioning of the optic holder to within 10 µrad. Three 8-32 (M4) tapped mounting holes in the bottom plate can be used to secure the mount to a  $\emptyset$ 1/2" post.

ITEM #	METRIC ITEM #	\$		£			€	RMB		DESCRIPTION
NX1	NX1/M	\$ 91.	.00	£ 65.	.52	€	79,17	¥	725.27	15-Position Indexing Mount for Ø1" Optics

## **Indexing Kinematic Base**

- Rotates in 15 Discrete Steps
- Kinematic Ball Seat Design with Repeatability Better than 10 μrad

The NX1F is a 15-position indexing kinematic mount with an 8-32 (M4) tapped mounting hole on the top plate. Each of the mount's 15 positions is labeled to aid in repeating a previous alignment. It is ideal for mounting a range of components, including lens and mirror mounts. The NX1F offers repositioning of the top plate to within 10 µrad. Three 8-32 (M4) tapped mounting holes in the bottom plate can be used to secure the mount to a  $\emptyset$ 1/2" post. Note that the NX1F shares the same bottom plate as the NX1 (above).

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	(Bottom View)
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ITEM #	METRIC ITEM #	\$		\$ £			€	RMB		DESCRIPTION
NX1F	NX1F/M	\$	82.00	£	59.04	€	71,34	¥	653.54	15-Position Indexing Base, 8-32 (M4) Mounting Hole

## **Switchable Kinematic Base**



Switchable Kinematic Base

Ø1.70" (Ø43.2 mm)





This compact kinematic base is designed to allow easy removal and exact repositioning of the top plate. An on/off switch activates/ deactivates the magnetic force that firmly holds the two plates together. A ball and V-groove design allows the top plate to be removed and then repositioned to within 1 µrad. The bottom plate has a centered 1/4" (M6) through hole counterbored for a cap screw that allows the base to be mounted to an optical table. In

addition, the base has a groove that allows CL6 clamps (see opposite page) to be used to fix the base in an arbitrary position on an optical table. The SB1T(/M) top plate has a central 1/4"-20 (M6) tapped hole, while the SB1T8 (SB1T4/M) top plate has an 8-32 (M4) tapped central hole for mounting optomechanical components. The top and bottom plates can be purchased separately.

METRIC ITEM #		\$	£	€	RMB	DESCRIPTION
SB1/M	\$	91.00	£ 65.52	€ 79,17	¥ 725.27	1/4"-20 (M6) Tapped, Complete Kinematic Base, Top and Bottom Plates
SB1T/M	\$	59.00	£ 42.48	€ 51,33	¥ 470.23	1/4"-20 (M6) Tapped, Top Plate Only of the SB1(/M) Kinematic Base
SB1T4/M	\$	58.90	£ 42.41	€ 51,24	¥ 469.43	8-32 (M4) Tapped, Top Plate Only for the SB1B Kinematic Base
SB1B*	\$	42.00	£ 30.24	€ 36,54	¥ 334.74	Bottom Plate Only of the SB1(/M) Kinematic Base
CL6*	\$	5.60	£ 4.03	€ 4,87	¥ 44.63	Low-Profile Table Clamp
	ITEM # SB1/M SB1T/M SB1T4/M SB1B*	ITEM #           SB1/M         \$           SB1T/M         \$           SB1T4/M         \$           SB1B*         \$	ITEM#         S           SB1/M         \$         91.00           SB1T/M         \$         59.00           SB1T4/M         \$         58.90           SB1B*         \$         42.00	ITEM#         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J <thj< th="">         J         <thj< th=""> <thj< th=""></thj<></thj<></thj<>	ITEM#         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J         J <thj< th="">         J         <thj< th=""> <thj< th=""></thj<></thj<></thj<>	ITEM#         ·F         I         I         RMB           SB1/M         \$         91.00         £         65.52         €         79.17         ¥         725.27           SB1T/M         \$         59.00         £         42.48         €         51.33         ¥         470.23           SB1T4/M         \$         58.90         £         42.41         €         51.24         ¥         469.43           SB1B*         \$         42.00         £         30.24         €         36.54         ¥         334.74

\*Imperial and Metric Compatible