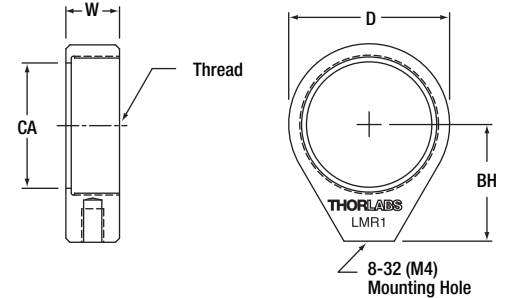


Fixed Optic Mounts (Page 1 of 2)



The LMR Series of Lens Mounts are designed to mount optics with standard diameters ranging from Ø1/2" (Ø12.7 mm) to Ø4.00" (Ø101.6 mm). The slim teardrop-shaped design allows these mounts to be used in close proximity to one another and to fit into smaller spaces where most kinematic mounts do not fit.

Each mount includes an appropriately sized SM Series Retaining Ring to center and hold the optic within the mount. Additional retaining rings are available on page 271. A bottom-located 8-32 (M4 x 0.7) tapped mounting hole directly accepts our Ø1/2" TR posts (see page 93) to provide mounting flexibility within an optical setup.



ITEM #	OPTIC SIZE	OPTIC MAX. THICKNESS*	BH	D	W	CA	THREAD	SPANNER WRENCH**
LMR05	Ø1/2" (Ø12.7 mm)	0.21" (5.3 mm)	0.63" (16.0 mm)	0.70" (17.8 mm)	0.30" (7.6 mm)	Ø0.45" (Ø11.4 mm)	SM05 (0.535"-40)	SPW603
LMR15	Ø15.0 mm (Ø0.59")	0.30" (7.6 mm)	0.70" (17.8 mm)	0.80" (20.3 mm)	0.40" (10.2 mm)	Ø0.50" (Ø12.7 mm)	SM15 (M15.5 x 0.5)	SPW801
LMR18	Ø18.0 mm (Ø0.71")	0.29" (7.4 mm)	0.75" (19.1 mm)	0.90" (22.9 mm)	0.40" (10.2 mm)	Ø0.62" (Ø15.7 mm)	SM18 (0.750"-40)	SPW801
LMR20	Ø20.0 mm (Ø0.79")	0.29" (7.4 mm)	0.82" (20.8 mm)	1.00" (25.4 mm)	0.40" (10.2 mm)	Ø0.68" (Ø17.3 mm)	SM20 (M20.5 x 0.5)	SPW801
LMR1	Ø1.00" (Ø25.4 mm)	0.28" (7.1 mm)	0.87" (22.1 mm)	1.20" (30.5 mm)	0.40" (10.2 mm)	Ø0.94" (Ø23.9 mm)	SM1 (1.035"-40)	SPW602
LMR30	Ø30.0 mm (Ø1.18")	0.28" (7.1 mm)	1.00" (25.4 mm)	1.40" (35.6 mm)	0.40" (10.2 mm)	Ø1.13" (Ø28.7 mm)	SM30 (M30.5 x 0.5)	SPW801
LMR1.5	Ø1.50" (Ø38.1 mm)	0.36" (9.1 mm)	1.13" (28.7 mm)	1.70" (43.2 mm)	0.50" (12.7 mm)	Ø1.45" (Ø36.8 mm)	SM1.5 (1.535"-40)	SPW801
LMR45	Ø45.0 mm (Ø1.77")	0.36" (9.1 mm)	1.30" (33.0 mm)	2.10" (53.3 mm)	0.50" (12.7 mm)	Ø1.67" (Ø42.4 mm)	SM45 (M45.5 x 0.5)	SPW801
LMR2	Ø2.00" (Ø50.8 mm)	0.36" (9.1 mm)	1.35" (34.3 mm)	2.20" (55.9 mm)	0.50" (12.7 mm)	Ø1.90" (Ø48.3 mm)	SM2 (2.035"-40)	SPW604
LMR75	Ø75.0 mm (Ø2.95")	0.30" (7.6 mm)	2.00" (50.8 mm)	3.28" (83.3 mm)	0.50" (12.7 mm)	Ø2.85" (Ø72.4 mm)	SM75 (M75.5 x 0.5)	SPW801
LMR3	Ø3.00" (Ø76.2 mm)	0.36" (9.1 mm)	2.00" (50.8 mm)	3.28" (83.3 mm)	0.50" (12.7 mm)	Ø2.81" (Ø71.4 mm)	SM3 (3.035"-40)	SPW605
LMR100	Ø100.0 mm (Ø3.94")	0.54" (13.7 mm)	3.00" (76.2 mm)	4.65" (118.1 mm)	0.75" (19.1 mm)	Ø3.80" (Ø96.4 mm)	SM100 (M100.5 x 0.5)	-
LMR4	Ø4.00" (Ø101.6 mm)	0.54" (13.7 mm)	3.00" (76.2 mm)	4.65" (118.1 mm)	0.75" (19.1 mm)	Ø3.81" (Ø96.8 mm)	SM4 (4.035"-40)	-

*This specification is true for thin lenses. For lenses with short focal lengths, and hence large lens curvatures, please contact technical support to ensure a proper fit.

**The SPW801 Adjustable Spanner Wrench can be used with all fixed mounts up to Ø3" (Ø75 mm).

Fixed Optic Mounts (Page 2 of 2)

ITEM #*	METRIC ITEM #*	\$	£	€	RMB	DESCRIPTION
LMR05	LMR05/M	\$ 14.30	£ 10.30	€ 12.44	¥ 113.97	Lens Mount for Ø1/2" (Ø12.7 mm) Optics
LMR15	LMR15/M	\$ 20.00	£ 14.40	€ 17.40	¥ 159.40	Lens Mount for Ø15.0 mm (Ø0.59") Optics
LMR18	LMR18/M	\$ 22.00	£ 15.84	€ 19.14	¥ 175.34	Lens Mount for Ø18.0 mm (Ø0.71") Optics
LMR20	LMR20/M	\$ 24.00	£ 17.28	€ 20.88	¥ 191.28	Lens Mount for Ø20.0 mm (Ø0.79") Optics
LMR1	LMR1/M	\$ 15.70	£ 11.30	€ 13.66	¥ 125.13	Lens Mount for Ø1.00" (Ø25.4 mm) Optics
LMR30	LMR30/M	\$ 26.50	£ 19.08	€ 23.06	¥ 211.21	Lens Mount for Ø30.0 mm (Ø1.18") Optics
LMR1.5	LMR1.5/M	\$ 22.40	£ 16.13	€ 19.49	¥ 178.53	Lens Mount for Ø1.50" (Ø38.1 mm) Optics
LMR45	LMR45/M	\$ 30.00	£ 21.60	€ 26.10	¥ 239.10	Lens Mount for Ø45.0 mm (Ø1.77") Optics
LMR2	LMR2/M	\$ 23.50	£ 16.92	€ 20.45	¥ 187.30	Lens Mount for Ø2.00" (Ø50.8 mm) Optics
LMR75	LMR75/M	\$ 49.00	£ 35.28	€ 42.63	¥ 390.53	Lens Mount for Ø75.0 mm (Ø2.95") Optics
LMR3	LMR3/M	\$ 49.00	£ 35.28	€ 42.63	¥ 390.53	Lens Mount for Ø3.00" (Ø76.2 mm) Optics
LMR100	LMR100/M	\$ 60.00	£ 43.20	€ 52.20	¥ 478.20	Lens Mount for Ø100.0 mm (Ø3.94") Optics
LMR4	LMR4/M	\$ 60.00	£ 43.20	€ 52.20	¥ 478.20	Lens Mount for Ø4.00" (Ø101.6 mm) Optics

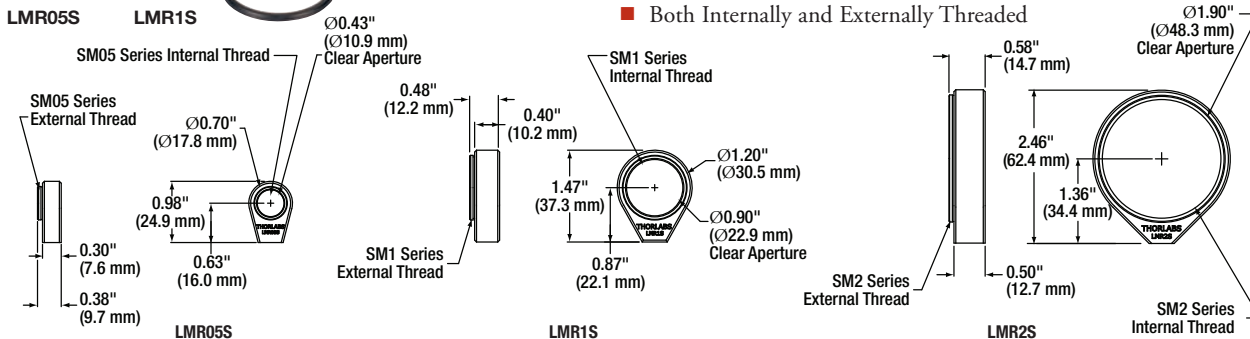
*Each mount includes one retaining ring

Lens Mounts with External Threads



In addition to the LMR Series featured on the previous page, Thorlabs offers our most popular lens mounts with external SM series threads. These mounts allow lens tubes (see page 127) to be directly attached to both sides of the fixed lens mount, which is ideal for multi-element optical systems that require all optics to be in close proximity to one another.

- Available for Ø1/2", Ø1.00", and Ø2.00" Optics
- Bottom-Located 8-32 (M4 x 0.7) Hole for Post Mounting
- Both Internally and Externally Threaded



Please refer to our website for complete models and drawings.

ITEM #*	METRIC ITEM #*	\$	£	€	RMB	DESCRIPTION
LMR05S	LMR05S/M	\$ 23.00	£ 16.56	€ 20.01	¥ 183.31	Lens Mount for Ø1/2" (Ø12.7 mm) Optics, External Threads
LMR1S	LMR1S/M	\$ 25.00	£ 18.00	€ 21.75	¥ 199.25	Lens Mount for Ø1.00" (Ø25.4 mm) Optics, External Threads
LMR2S	LMR2S/M	\$ 29.00	£ 20.88	€ 25.23	¥ 231.13	Lens Mount for Ø2.00" (Ø50.8 mm) Optics, External Threads

*Each mount includes one retaining ring

Small Optic Adapters for Ø1/2" and Ø18 mm Mounts

In order to hold small optics, Thorlabs has introduced a series of stainless steel adapter rings that can be mounted in Ø1/2" or Ø18.0 mm Lens Mounts, such as the LMR05 and LMR05S or LMR18. The optic adapter is designed to allow the lens to be epoxied into place; simply place a drop or two of epoxy into each of the two epoxy reservoirs located next to the lens in the adapter. Once the optic is secured in the adapter, the new assembly can be held in our Ø1/2" or Ø18 mm Optic Mounts.

ITEM #	\$	£	€	RMB	DESCRIPTION
LMRA5	\$ 15.00	£ 10.80	€ 13.05	¥ 119.55	Ø5.0 mm Lens Adapter in Ø1/2" Housing
LMRA6	\$ 15.00	£ 10.80	€ 13.05	¥ 119.55	Ø6.0 mm Lens Adapter in Ø1/2" Housing
LMRA6.35	\$ 15.00	£ 10.80	€ 13.05	¥ 119.55	Ø6.35 mm Lens Adapter in Ø1/2" Housing
LMRA7	\$ 13.80	£ 9.94	€ 12.01	¥ 109.99	Ø7.0 mm Lens Adapter in Ø1/2" Housing
LMRA7.4	\$ 13.80	£ 9.94	€ 12.01	¥ 109.99	Ø7.4 mm Lens Adapter in Ø1/2" Housing
LMRA8	\$ 15.00	£ 10.80	€ 13.05	¥ 119.55	Ø8.0 mm Lens Adapter in Ø1/2" Housing
LMRA9	\$ 15.00	£ 10.80	€ 13.05	¥ 119.55	Ø9.0 mm Lens Adapter in Ø1/2" Housing
LMRA10	\$ 20.00	£ 14.40	€ 17.40	¥ 159.40	Ø10.0 mm Lens Adapter in Ø18 mm Housing

