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Find the *ThorLabs LMR1* at our website: ***Click HERE***

Fixed Lens Mounts

- Fixed Mounts for Numerous Optic Diameters
- 4-40 (M3) or 8-32 (M4) Tap for Post Mounting
- Stainless Steel Lens Adapters Available for Small Optics



LMR2
Shown with a
Plano-Convex Lens



LMR1S



SMR05
Shown with
a Ge Lens



LMR1V

LMR05
Shown with LMRA6 Adapter



LMRA5





LMRA10

Small Optic Adapters
Mount Small Optics in
Larger Diameter Mounts

Overview

Features

- Internally Threaded Mounts for 20 Optic Diameters from Ø5 mm to Ø4"
- Internally and Externally SM-Threaded Mounts for Combining Optics and SM-Threaded Components
- Internally SM-Threaded Mounts With or Without Retaining Lip
- Adapters for Mounting Small Optics from Ø2 mm to Ø10 mm in Threaded Lens Mounts
- Retaining Rings for Securing Optics in Place
- Drop-In Alignment Plates for Fast Beam Alignment
- Spanner Wrenches for Safe and Easy Optic Placement

Mini-Series Fixed Lens Mounts with Internal Threads (MLHx Series)
Our Mini-Series Fixed Optic Mounts (MLHx series) are available for seven distinct optic diameters ranging from Ø5 mm to Ø1/2", feature internal threading, and come complete with one retaining ring for securing the optic in place. A bottom-located 4-40 (M3) tapped hole is provided to mount directly to our Ø6 mm Mini-Series posts or Ø12 mm pedestal posts. Our Mini-Series post holders allow our Ø6 mm posts to be mounted onto our Mini-Series breadboards.

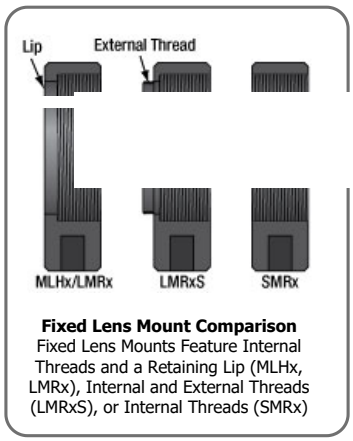
Fixed Lens Mounts with Internal Threads (LMRx Series)
Our standard fixed optic mounts (LMRx series) are available for 20 distinct optic diameters ranging from Ø5 mm to Ø4", feature internal threading, and come complete with one retaining ring for securing the optic in place. A bottom-located 8-32 (M4) tapped hole is provided for mounting on Ø1/2" posts. Our most popular fixed optic mounts in this series, the LMR05(/M), LMR1(/M), and LMR2(/M), are available individually or in packs of 5 for convenience. The LMRx series also has vacuum-compatible versions: these unanodized 6061-T6 aluminum mounts are compatible with environments down to 10^{-6} Torr directly out of the package.

Fixed Lens Mounts with Internal and External Threads (LMRxS Series)
Thorlabs also offers fixed mounts with both internal and external SM threading (LMRxS series), which are available for optic diameters of Ø1/2", Ø1", and Ø2". Each LMRxS series mount also features an 8-32 (M4) tapped hole for Ø1/2" post mounting and comes complete with a compatible retaining ring.

Fixed Lens Mounts with No Retaining Lip (SMRx Series)
To mount multiple lens tubes or mounted optics, Thorlabs offers a line of internally SM-threaded mounts with no retaining lip (SMRx series), available for optic diameters of Ø1/2", Ø1", and Ø2". These mounts can also be used to hold unmounted optics when combined with two retaining rings (not included). Like the LMRx and LMRxS series, these mounts also feature an 8-32 (M4) tapped hole for mounting on Ø1/2" posts.

Small Optic Adapters
For small optics (Ø10 mm or less), we offer glue-in stainless steel adapters, as shown to the right, that allow optics with various diameters ranging from Ø2.0 mm to Ø9.0 mm to be mounted in our SM05-threaded mounts, and optics with a Ø10 mm diameter to be mounted in our LMR18 mount. We also offer a line of small optic adapters with external SM1 threading, which can mount optics from Ø5 mm to Ø20 mm in SM1-threaded lens mounts.

This page also features alignment plates for simple beam alignment, threaded retaining rings, and spanner wrenches for easy optic installation.



Fixed Lens Mount Comparison
Fixed Lens Mounts Feature Internal Threads and a Retaining Lip (MLHx, LMRx), Internal and External Threads (LMRxS), or Internal Threads (SMRx)



LMRA Series Adapters for Mounting Small Optics

Mini-Series Fixed Lens Mounts with Internal Threads, 4-40 (M3) Tap

Accommodates Various Optic Diameters from Ø5 mm to Ø1/2"
Internally Threaded
4-40 (M3) Tapped Hole Allows for Mounting to Ø6 mm Mini-Series Posts
Includes Compatible Retaining Ring



These Mini-Series Fixed Lens Mounts are compact, lightweight mounts for seven distinct optic diameters ranging from Ø5 mm to Ø1/2". Each mount features internal threading and ships with a retaining ring for securing an optic into place. The internal threading is deep enough to hold most unmounted optics or externally threaded components. The base of each mount features an 4-40 (M3) tapped hole, which allows for easy mounting to Ø6 mm Mini-Series posts, as shown to the right. Additional retaining rings are sold separately below.





Item #	Optic Diameter	Max Optic Thickness[a]	Clear Aperture[b]	Optical Height	Included Retaining Ring	Suggested Spanner Wrench
MLH5(/M)	Ø5 mm	0.16" (4.0 mm)	Ø0.15" (Ø3.8 mm)	0.39" (10 mm)	SM5RR	SPW205 or SPW801
MLH6(/M)	Ø6 mm	0.16" (4.0 mm)	Ø0.19" (Ø4.8 mm)	0.39" (10 mm)	SM6RR	SPW206 or SPW801
MLH7(/M)	Ø7 mm[c]	0.21" (5.3 mm)	Ø0.23" (Ø5.8 mm)	0.39" (10 mm)	SM7RR	SPW207 or SPW801
MLH8(/M)	Ø8 mm[d]	0.21" (5.3 mm)	Ø0.27" (Ø6.9 mm)	0.39" (10 mm)	SM8RR	SPW208 or SPW801
MLH9(/M)	Ø9 mm	0.21" (5.3 mm)	Ø0.31" (Ø7.9 mm)	0.39" (10 mm)	SM9RR	SPW209 or SPW801
MLH10(/M)	Ø10 mm	0.21" (5.3 mm)	Ø0.35" (Ø8.8 mm)	0.39" (10 mm)	SM10RR	SPW210 or SPW801
MLH05(/M)	Ø1/2"[e,f]	0.21" (5.3 mm)	Ø0.44" (Ø11.0 mm)	0.39" (10 mm)	SM05RR	SPW211 or SPW801

a. This specification is true for thin lenses. For lenses with small focal lengths, and hence large lens curvatures, please contact Tech Support to ensure a proper fit.
b. This specification refers to the clear aperture of the retaining ring used to mount the optic.
c. The MLH7(/M) can also be used to secure Ø6.35 mm optics.
d. The MLH8(/M) can also be used to secure Ø7.40 mm optics.
e. The MLH05(/M) can also be used to secure Ø12.5 mm optics, and a range of smaller optic diameters can be accomodated using our small optic adapters.
f. A drop-in alignment plate is available for the MLH05(/M) for quick, easy alignment.

Fixed Lens Mounts with Internal Threads, 8-32 (M4) Tap

Accommodates Various Optic Diameters from Ø5 mm to Ø4"
Internally Threaded
8-32 (M4) Tapped Hole Allows for Mounting to Ø1/2" Posts
Includes Compatible Retaining Ring for Mounting Optics
Ø1/2", Ø1", and Ø2" Optic Mounts Available in 5 Packs

These Fixed Optic Mounts are our standard mounts for 20 distinct optic diameters ranging from Ø5 mm to Ø4". Each mount features internal threading, and ships with a retaining ring for securing the optic into place. The internal threading is deep enough to hold most unmounted optics or externally threaded components. The



base of each mount features an 8-32 (M4) tapped hole, which allows for easy mounting to Ø1/2" Posts, as shown to the right. Additional retaining rings are sold separately below.

Three of our most popular fixed optic mounts, the LMR05(/M), LMR1(/M), and LMR2(/M), are available individually and in packs of 5. 5-packs include one retaining ring per mount for a total of five rings.



Click to Enlarge
LMR1 Ø1" Mount Attached to a TPA01 Pitch-Adjustable Kinematic Adapter



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View Imperial Product List
View Metric Product List
LMR1 Mounted on a Ø1/2" Post and Attached to an Aluminum Breadboard

Item #	Optic Diameter	Max Optic Thickness[a]	Clear Aperture[b]	Optical Height	Included Retaining Ring	Suggested Spanner Wrench
LMR5(/M)	Ø5 mm	0.13" (3.4 mm)	Ø0.15" (Ø3.8 mm)	0.50" (12.7 mm)	SM5RR	SPW205 or SPW801
LMR6(/M)	Ø6 mm	0.16" (4.0 mm)	Ø0.19" (Ø4.8 mm)	0.50" (12.7 mm)	SM6RR	SPW206 or SPW801
LMR7(/M)	Ø7 mm[c]	0.16" (4.0 mm)	Ø0.23" (Ø5.8 mm)	0.50" (12.7 mm)	SM7RR	SPW207 or SPW801
LMR8(/M)	Ø8 mm[d]	0.16" (4.0 mm)	Ø0.27" (Ø6.9 mm)	0.55" (14.0 mm)	SM8RR	SPW208 or SPW801
LMR9(/M)	Ø9 mm	0.16" (4.0 mm)	Ø0.31" (Ø7.9 mm)	0.55" (14.0 mm)	SM9RR	SPW209 or SPW801
LMR10(/M)	Ø10 mm	0.16" (4.0 mm)	Ø0.35" (Ø8.8 mm)	0.55" (14.0 mm)	SM10RR	SPW210 or SPW801
LMR05(/M)	Ø1/2"[e]	0.21" (5.0 mm)	Ø0.44" (Ø11.0 mm)	0.63" (16.0 mm)	SM05RR	SPW603 or SPW801
LMR15(/M)	Ø15 mm	0.30" (7.7 mm)	Ø0.50" (Ø12.7 mm)	0.70" (17.8 mm)	SM15RR	SPW801
LMR18(/M)	Ø18 mm	0.29" (7.4 mm)	Ø0.61" (Ø15.5 mm)	0.75" (19.1 mm)	SM18RR	SPW801
LMR20(/M)	Ø20 mm	0.29" (7.4 mm)	Ø0.68" (Ø17.3 mm)	0.82" (20.8 mm)	SM20RR	SPW801
LMR1(/M)	Ø1"	0.28" (7.1 mm)	Ø0.90" (Ø23.0 mm)	0.87" (22.1 mm)	SM1RR	SPW602 or SPW606
LMR30(/M)	Ø30 mm	0.28" (7.1 mm)	Ø1.10" (Ø28.0 mm)	1.00" (25.4 mm)	SM30RR	SPW607
LMR1.5(/M)	Ø1.5"	0.36" (9.2 mm)	Ø1.37" (Ø34.8 mm)	1.13" (28.7 mm)	SM1.5RR	SPW801
LMR40(/M)	Ø40 mm	0.36" (9.2 mm)	Ø1.47" (Ø37.5 mm)	1.30" (33.0 mm)	SM40RR	SPW801
LMR45(/M)	Ø45 mm	0.36" (9.2 mm)	Ø1.67" (Ø42.4 mm)	1.30" (33.0 mm)	SM45RR	SPW801
LMR2(/M)	Ø2"	0.36" (9.2 mm)	Ø1.90" (Ø48.5 mm)	1.35" (34.3 mm)	SM2RR	SPW604
LMR75(/M)	Ø75 mm	0.30" (7.6 mm)	Ø2.81" (Ø71.4 mm)	2.00" (50.8 mm)	SM75RR	SPW801
LMR3 (/M)	Ø3"	0.36" (9.2 mm)	Ø2.81" (Ø71.4 mm)	2.00" (50.8 mm)	SM3RR	SPW605
LMR100(/M)	Ø100 mm	0.54" (13.7 mm)	Ø3.80" (Ø96.4 mm)	3.00" (76.2 mm)	SM100RR	-
LMR4(/M)	Ø4"	0.54" (13.7 mm)	Ø3.81" (Ø96.8 mm)	3.00" (76.2 mm)	SM4RR	-

a. This specification is true for thin lenses. For lenses with small focal lengths, and hence large lens curvatures, please contact Tech Support to ensure a proper fit.
b. This specification refers to the clear aperture of the retaining ring used to mount the optic.
c. The LMR7(/M) can also be used to secure Ø6.35 mm optics.
d. The LMR8(/M) can also be used to secure Ø7.40 mm optics.
e. The LMR05(/M) can also be used to secure Ø12.5 mm optics.

Vacuum-Compatible Fixed Lens Mounts with Internal Threads, 8-32 (M4) Tap



- Constructed from Unanodized Aluminum for Vacuum Applications
- Mount Optics With Included Vacuum-Compatible Retaining Ring
- Mounting Hole is Vented to Allow Gas to Escape
- 8-32 (M4) Tapped Hole for Mounting to Vacuum-Compatible Ø1/2" Posts
- Internally Threaded for Ø1/2", Ø1", or Ø2" Optics

These vacuum-compatible fixed lens mounts are fabricated from unanodized 6061-T6 aluminum and are suitable for vacuum chamber and clean room applications. Each of these fixed lens mounts features a hole in the back which is connected to the 8-32 (M4) tapped mounting hole on the base in order to serve as a vent, allowing trapped gas to escape when a vacuum chamber is pumped down. This vented mounting hole allows for easy integration with our vacuum-compatible Ø1/2" posts. Do not plug this vent hole or attempt to use it as a mounting point. These lens mounts are available for Ø1/2", Ø1", and Ø2" optics and each one is shipped with a vacuum-compatible retaining ring for securing an optic against the retention lip at the back of the mount.

Vacuum Specifications	
Vacuum Compatibility as Packaged[a]	$>10^{-6}$ Torr
Materials	6061-T6 Aluminum
Preparation and Packaging	Chemically Cleaned and Double Vacuum Bagged
Aluminum Outgassing Rate at 20 °C	7.6×10^{-9} Torr-Liters/s/cm^2

a. This is the pressure at which these components can be used with no additional processing. They can be used at even lower pressures with additional cleaning and processing.

Vacuum Compatibility
Our vacuum-compatible lens mounts are chemically cleaned and prepared for vacuum applications before packaging. They are compatible directly out of the packaging with vacuum environments down to 10^{-6} Torr. With additional cleaning and processing, they can be used at even lower pressures, only limited by the outgassing rate of the aluminum (see the Vacuum Specifications table above). The material properties of the aluminum and the cleaning methods completed by the end user should be used to determine the appropriateness of these products and materials in a specific vacuum system.

Our vacuum-compatible lens mounts and included retaining rings are packaged in double airtight bags for cleanroom and vacuum chamber applications.

Item #	Optic Diameter	Max Optic Thickness[a]	Clear Aperture[b]	Optical Height	Replacement Retaining Ring[c]	Suggested Spanner Wrench
LMR05V(/M)	Ø1/2"	0.21" (5.0 mm)	Ø0.44" (Ø11.0 mm)	0.63" (16.0 mm)	SM05RR	SPW603 or SPW801
LMR1V(/M)	Ø1"	0.28" (7.1 mm)	Ø0.90" (Ø23.0 mm)	0.87" (22.1 mm)	SM1RR	SPW602, SPW606 or SPW801
LMR2V(/M)	Ø2"	0.36" (9.2 mm)	Ø1.90" (Ø48.5 mm)	1.36" (34.4 mm)	SM2RR	SPW604 or SPW801

a. This specification is true for thin lenses. For lenses with small focal lengths, and hence large lens curvatures, please contact tech support to ensure a proper fit.
b. This specification is the clear aperture of the mount without a retaining ring.
c. The included retaining rings are manufactured from unanodized aluminum for vacuum-compatibility. Purchasing retaining rings separately is not recommended as they may not be suitable for vacuum chamber applications. Please contact tech support if you require direct replacements.

Fixed Lens Mounts with Internal and External Threading



Fixed Mounts for Ø1/2", Ø1", and Ø2" Optics
Internal and External SM05, SM1, or SM2 Threads
8-32 (M4) Tapped Hole for Mounting to Ø1/2" Posts
Mount Lenses with Included SM-Threaded Retaining Ring
Add or Remove SM-Threaded Components without Losing Access to the Mounted Optic

These fixed lens mounts, which feature internal SM threading on one side and external SM threading on the other, are available for Ø1/2", Ø1", and Ø2" optics. The mount holds an optic securely with the included retaining ring and can be post mounted to a Ø1/2" Post.

The internal threading is deep enough to hold most unmounted optics, while the external threading is deep enough to mount lens tubes, irises, or other internally threaded SM components (see picture to the right). These mounts provide a compact solution to mount multiple SM-threaded components on a single post.



Click to Enlarge
View Imperial Product List
View Metric Product List
SM1D12C Iris Shown with an SM1L10 Lens Tube that Has Been Mounted to an LMR1S Mount

Item #	Optic Diameter	Max Optic Thickness[a]	Clear Aperture[b]	Optical Height	Included Retaining Ring	Suggested Spanner Wrench
LMR05S(/M)	Ø1/2"	0.21" (5 mm)	Ø0.43" (Ø10.9 mm)	0.63" (16.0 mm)	SM05RR	SPW603
LMR1S(/M)	Ø1"	0.28" (7.1 mm)	Ø0.90" (Ø23.0 mm)	0.87" (22.1 mm)	SM1RR	SPW602 or SPW606
LMR2S(/M)	Ø2"	0.36" (9.1 mm)	Ø1.90" (Ø48.5 mm)	1.36" (34.5 mm)	SM2RR	SPW604

a. This specification is true for thin lenses. For lenses with small focal lengths, and hence large lens curvatures, please contact Tech Support to ensure a proper fit.
b. This specification refers to the clear aperture of the retaining ring used to mount the optic.

Fixed Lens Mounts with No Retaining Lip



Fixed Mounts for Ø1/2", Ø1", and Ø2" Optics
Internal SM05, SM1, or SM2 Threads
8-32 (M4) Tapped Hole for Mounting to Ø1/2" Posts
Mount Optics Using Two Retaining Rings (Sold Separately)
Mount Externally SM-Threaded Components on Either Side

These mounting rings feature internal SM05, SM1, or SM2 threading that extends the full length of the mount without any retaining lip. They are perfect for mounting lens tubes and mounted optics, and can also be used to hold unmounted optics when used with two retaining rings (sold separately below).

Item #	Optic Diameter	Max Optic Thickness[a]	Clear Aperture[b]	Optical Height	Compatible Retaining Ring (Not Included)	Suggested Spanner Wrench
SMR05(/M)	Ø1/2"	0.16" (4 mm)	Ø0.51" (Ø13.0 mm)	0.63" (16.0 mm)	SM05RR	SPW603
SMR1(/M)	Ø1"	0.24" (6.1 mm)	Ø1.01" (Ø25.6 mm)	0.87" (22.1 mm)	SM1RR	SPW602 or SPW606
SMR2(/M)	Ø2"	0.30" (7.6 mm)	Ø2.01" (Ø51.0 mm)	1.35" (34.0 mm)	SM2RR	SPW604

a. This specification is true for thin lenses. For lenses with small focal lengths, and hence large lens curvatures, please contact Tech Support to ensure a proper fit.
b. This specification is the clear aperture of the mount without a retaining ring.

Small Optic Adapters



- Adapt Optics Ranging from Ø2 mm to Ø9 mm to Fit into SM05-Compatible Components
- Adapt Ø10 mm Optics to Fit into an LMR18 (LMR18/M) Fixed Lens Mount
- Manufactured from Stainless Steel
- Epoxy Reservoirs Enable Uniform Glue Bond with Optic

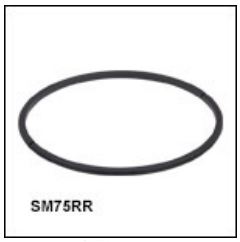
Thorlabs' small-optic mounting adapters are designed to mount non-standard optic sizes into Ø1/2" or Ø18 mm Mounts. Each stainless steel adapter includes two or three reservoirs next to the lens cell to secure the lens in place with General Purpose or UV Curing epoxy. Simply place a drop or two of adhesive into each reservoir located next to the lens in the adapter. We recommend using our NOA61 UV curing adhesive and MS403-10 epoxy syringe.

The Ø1/2" Optic Mounting Adapters featured below are compatible with our LMR05 (LMR05/M) or MLH05 (MLH05/M) Lens Mounts, SM05 Lens Tubes, or 16 mm Cage Components. The LMRA10 is compatible with our LMR18 (LMR18/M) mount, AD18T adapter, or SM1AD18 adapter. Once the optic is secured in the small-optic adapter, the new assembly is held in one of these threaded mounts using an SM05RR or SM18RR Retaining Ring.

Thorlabs also offers an extensive line of adapters for unmounted optics which allow optics ranging from Ø2 mm to Ø2" to be mounted in our fixed optic mounts.

Item #	Optic Diameter		Clear Aperture	Outer Diameter	Thickness	Compatible Mounts
	Typ.	Max				
LMRA2	2 mm	2.05 mm	Ø1.8 mm (Ø0.07")	12.7 mm (1/2")	2.2 mm (0.09")	MLH05 Lens Mount LMR05 Lens Mount SM05 Lens Tubes 16 mm Cage Components
LMRA3	3 mm	3.05 mm	Ø2.4 mm (Ø0.11")			
LMRA5	5 mm	5.05 mm	Ø3.8 mm (Ø0.15")			
LMRA6	6 mm	6.07 mm	Ø4.8 mm (Ø0.19")			
LMRA6.35	6.35 mm	6.4 mm	Ø5.4 mm (Ø0.21")			
LMRA7	7 mm	7.03 mm	Ø6.0 mm (Ø0.24")			
LMRA7.4	7.4 mm	7.41 mm	Ø6.4 mm (Ø0.25")			
LMRA8	8 mm	8.02 mm	Ø7.0 mm (Ø0.28")			
LMRA9	9 mm	9.01 mm	Ø7.9 mm (Ø0.31")			
LMRA10	10 mm	10.03 mm	Ø8.8 mm (Ø0.35")	18 mm (0.71")	2.5 mm (0.10")	LMR18 Lens Mount AD18T Adapter SM1AD18 Adapter

Retaining Rings for Fixed Lens Mounts



- Threaded Rings for Securing Optics into Place
- Made from Black Anodized Aluminum
- SM05, SM1, and SM2 Threaded Rings Available in Multipacks

These Retaining Rings are replacements for those that are provided with our fixed lens mounts featured above. Two retaining rings are required for mounting optics in the fixed lens mounts with no retaining lip (item # SMRx). We also offer stress-free and plastic retaining rings for our Ø1.0" lens mounts, and retaining rings in additional sizes on our main Retaining Rings page.

For ordering convenience, our Ø1/2" and Ø1" Retaining Rings, the SM05RR and SM1RR, are available in packs of 10, and our Ø2" Retaining Ring, the SM2RR, is available in packs of 5.

Lens Mount Alignment Plates



Quick, Drop-In Visual Beam Alignment Tool

Ø1 mm Through Hole

Options for Ø1/2", Ø1", or Ø2" Fixed Optics Mounts and SM05, SM1, or SM2 Series Lens Tubes

These alignment targets can be quickly and easily dropped onto one of our fixed lens holders or lens tubes allowing the user to align a visible beam using the center Ø1 mm through hole. Once the beam is aligned, the tool can be lifted from the lens holder or lens tube without disturbing the alignment and can later be replaced into approximately the same position.

The LMR05AP, LMR1AP, and LMR2AP Alignment Plates fit on fixed lens mounts and lens tubes for Ø1/2", Ø1", and Ø2" optics, respectively. For optimal visual alignment of the beam, these plates feature laser-engraved concentric circles, with the diameter of each circle being 2 mm greater than the previous.



These alignment plates slide over the fixed lens mounts sold above to create a mounted alignment target.

Based on your currency / country selection, your order will ship from Newton, New Jersey

Spanner Wrenches for Retaining Rings



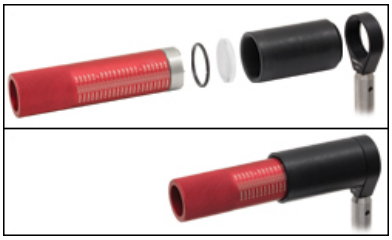
Zoom

Individual Sizes for Standard Retaining Rings

Knurled Handle for Improved Grip

Stackable Spanner Wrenches for Reaching Retaining Rings in Longer Lens Tubes

These spanner wrenches enable adjustment or installation of many of our standard retaining rings. The hollow construction of each spanner wrench allows the retaining ring to be adjusted without obscuring the beam path. They feature knurled handles for improved grip as well as flanges to keep the retaining ring on the end of the spanner wrench while inserting or removing the ring.



Click to Enlarge

An SPW602 spanner wrench is used to place an optic in a lens tube via a retaining ring. This spanner wrench features an engraved scale to indicate spanner wrench depth.



Click to Enlarge

Stackable spanner wrenches, like the SPW603, can be fitted together to reach retaining rings in long lens tubes.

As shown to the right, the SPW602 features an engraved scale to indicate spanner wrench depth in both imperial and metric increments (0.1" and 0.5 mm, respectively), thereby enabling precise positioning of optics.

For retaining rings not covered by these cylindrical spanner wrenches, please see the SPW801 Adjustable Spanner Wrench sold at the bottom of the page. The SPW801 features an adjustable spanning range as well as long blades that extend 1.6" (40.7 mm) from the body of the wrench. Hence, for lenses with a high radius of curvature, we recommend using the SPW801 over the cylindrical spanner wrenches, whose guide flanges may come into contact with the lens.

Item #	SPW205	SPW206	SPW207	SPW208	SPW209	SPW210	SPW211	SPW603	SPW606	SPW602	SPW607	SPW604	SPW605
Compatible Retaining Rings	SM5RR	SM6RR	SM7RR	SM8RR	SM9RR	SM10RR	SM11RR	SM05RR, SM05RRC, SM05LTRR, SM05PRR, POLARIS-SM05RR	SM1RR, SM1RRC, SM1LTRR, POLARIS-SM1RR	SM1RR, SM1RRC, SM1LTRR, POLARIS-SM1RR	SM30RR	SM2RR, SM2RRC, SM2LTRR, POLARIS-SM2RR	SM3RR
Feature	Stackable: One End of Spanner Wrench Fits to End of Other Spanner Wrench to Reach Retaining Rings in Longer Lens Tubes								-	Engraved Scale	-	-	-
Length	1.00"	1.00"	1.00"	1.00"	1.00"	1.00"	1.00"	1.00"	1.00"	3.88"	4.35"	4.35"	4.35"

Adjustable Spanner Wrench



Diameter Range from 0.12" to 2.89" (3.0 mm to 73.4 mm)

Self-Centering, One-Handed Diameter Adjustment Mechanism

Replaceable Stainless Steel Blades

Thorlabs' Adjustable Spanner Wrench features a spanning range that is continuously adjustable from 0.12" to 2.89" (3.0 mm to 73.4 mm). It is capable of providing an exact fit for retaining rings as large as the SM3RR for Ø3" Lens Tubes and Mounts. The diameter spanned by the blades remains centered while the knurled knob is adjusted.

The reversible blades have a flat tip on one end intended for use with retaining rings, and an edge-offset fine point on the opposing end for adapters with holes. The blades extend 1.6" (40.7 mm) from the body of the wrench. Hence, compared to our cylindrical spanner wrenches sold above, the SPW801 is ideal for securing lenses with a high radius of curvature because the guide flanges on the cylindrical spanner wrenches may come into contact with the lens. To reverse the blades, a 0.050" (1.3 mm) balldriver or hex key is needed. Replacement blade pairs are available separately.

The SPW801 wrench withstands a maximum torque of 80 inch-pounds (9 N·m).

Based on your currency / country selection, your order will ship from Newton, New Jersey

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