

ESK13 - August 22, 2019

Item # ESK13 was discontinued on August 22, 2019. For informational purposes, this is a copy of the website content at that time and is valid only for the stated product.

MECHANICAL ESSENTIALS KITS: SM05 LENS TUBES

- ▶ SM05 Lens Tube Kits
- ▶ Heavy-Duty, Welded Steel Cabinet Frame
- ▶ Cabinet Frame Can Be Wall Mounted or Stacked
- ▶ Equipped with Easy-to-Read Labels



ESK13
16 Drawers, 126 Pieces



ESK24
9 Drawers, 103 Pieces

See *Contents* Tab for Included Items

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OVERVIEW

Features

- Lens Tubes and Accessories for $\varnothing 1/2$ " Optics
- 16-Drawer Kit with 126 Pieces or 9-Drawer Kit with 103 Pieces
- Frame Dimensions (L x W x D)
 - ESK13(M): 11" x 17" x 11" (279.4 mm x 431.8 mm x 279.4 mm)
 - ESK24: 11.08" x 17.13" x 11.11" (281.3 mm x 435.0 mm x 282.3 mm)
- Drawer Dimensions (L x W x D)
 - ESK13(M): 2.18" x 4.16" x 10.56" (55.4 mm x 105.6 mm x 268 mm)
 - ESK24: 3.15" x 5.50" x 10.89" (79.9 mm x 139.7 mm x 276.5 mm)
- Easy-to-Read Labels List Contents for Each Drawer
- Savings Over Individual Component Products

These kits contain our most popular SM05 (0.535"-40) threaded optomechanical components as well as many common accessories used with our SM05-threaded lens tubes. The ESK13(M) 16-drawer kit offers a wider variety of SM05-threaded components, including fiber adapters and optical mounts. Refer to the *Contents* tab above for detailed information about the included components. The contents of these kits are compatible with our vast selection of 16 mm optical cage system components. Additionally, our ESK17 (ESK17/M) $\varnothing 1/2$ " Optics Mounts Kit includes components compatible with SM05 threads. We also offer the ESK25 SM1 Lens Tube Kit; the ESK26 SM2 Lens Tube Kit; the ESK07A (ESK07A/M) Cage Assemblies and Lens Tubes Kit, which includes a variety of SM1-threaded and 30 mm cage compatible components; and the ESK07B (ESK07B/M) Cage Assemblies and Lens Tubes Extension Kit, which includes cage system components and SM1- and SM2-threaded components.

Mounting Options



Click to Enlarge
Slots on the rear
of each
cabinet for wall
mounting.

The kits can be stored on a tabletop for easy, convenient access or placed on an RK4101 or RK4102 rack shelf, both of which can be installed in our RK3884 standard 19" rack. The cabinet used in this kit has slots in the rear of the case (see the image to the right) for wall mounting and features indentations on the top and four feet on the bottom for stable stacking. *Warning:* the ESK13(/M) weighs approximately 26 lbs (12 kg), and the ESK24 weighs approximately 17 lbs (7.7 kg); ensure that the wall and wall mounts can support these weights before mounting.

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CONTENTS

Kit Components

Click on the yellow bars below to view the contents included in each kit. In cases where the metric and imperial kits contain parts with different item numbers, metric item numbers and measurements are indicated in parentheses. The ESK13 (ESK13/M) includes a 16-drawer cabinet, and the ESK24 includes an ST9 9-drawer cabinet.

ESK13 (ESK13/M)

SM05 Lens Tubes		
Item # and Description	Photo (Click to Enlarge)	Quantity
SM05L03 SM05 Lens Tube, 0.30" Thread Depth, One Retaining Ring Included		5
SM05L05 SM05 Lens Tube, 0.50" Thread Depth, One Retaining Ring Included		5
SM05L10 SM05 Lens Tube, 1" Thread Depth, One Retaining Ring Included		5
SM05L20 SM05 Lens Tube, 2" Thread Depth, One Retaining Ring Included		5
SM05L30 SM05 Lens Tube, 3" Thread Depth, One Retaining Ring Included		5
SM05M05 SM05 Lens Tube Without External Threads, 1/2" Long, Two Retaining Rings Included		4
SM05M10 SM05 Lens Tube Without External Threads, 1" Long, Two Retaining Rings Included		4
SM05M20 SM05 Lens Tube Without External Threads, 2" Long, Two Retaining Rings Included		4

SM05M30 Lens Tube with Internal SM05 Threads, 3" Long, 2 Retaining Rings		4
SM05V05 Ø1/2" Adjustable Lens Tube, 0.3" Travel		2

SM05 Couplers		
Item # and Description	Photo (Click to Enlarge)	Quantity
SM05T1 SM05 (0.535"-40) Coupler, Internal Threads		3
SM05T2 SM05 (0.535"-40) Coupler, External Threads, 0.5" Long		3

SM05 Adapters and Accessories		
Item # and Description	Photo (Click to Enlarge)	Quantity
S05LM56 SM05-Threaded Aluminum Mount for Ø5.6 mm Laser Diodes		3
S05LDM9 SM05-Threaded Aluminum Mount for Ø9 mm Laser Diodes		3
SM05CP1 Internally SM05-Threaded End Cap		2
SM05CP2 Externally SM05-Threaded End Cap		2
SM05A7 SM05 Series Alignment Disk		2
SM05D5 SM05 Lever-Actuated Iris Diaphragm (Ø0.7 - Ø5 mm)		3
SM05FC FC/PC Fiber Adapter Plate with External SM05 (0.535"-40)		2

Threads		
SM05FCA FC/APC Fiber Adapter Plate with External SM05 (0.535"-40) Threads		1
SM05SMA SMA Fiber Adapter Plate with External SM05 (0.535"-40) Threads		2
SM1A1 Adapter with External SM05 Threads and Internal SM1 Threads		3
SM1A6 Adapter with External SM1 Threads and Internal SM05 Threads, 0.15" Thick		2
SM05RMS Adapter with External RMS Threads and Internal SM05 Threads		2
SM05QA SM05 Quick-Release Adapter Set		5
S05TM06 SM05 to M6 x 0.5 Lens Cell Adapter		3
S05TM08 SM05 to M8 x 0.5 Lens Cell Adapter		3
S05TM09 SM05 to M9 x 0.5 Lens Cell Adapter		3
AD1109F SM05-Threaded Adapter for M11 x 0.5 or M9 x 0.5 Threaded Components		1

SM05 Mounts		
Item # and Description	Photo (Click to Enlarge)	Quantity
SM05TC Ø0.70" (Ø17.8 mm) Clamp for SM05 Lens Tubes		3

		
SM05RC (SM05RC/M) Ø0.70" (Ø17.9 mm) Slip Ring for SM05 Lens Tubes, 8-32 (M4) Tap		3
LM05XY (LM05XY/M) Translating Lens Mount for Ø1/2" Optics, 1 Retaining Ring Included, 8-32 (M4) Tap		1
RSP05 (RSP05/M) Rotation Mount for Ø1/2" (Ø12.7 mm) Optics, 8-32 (M4) Tap		1
LMR05S (LMR05S/M) Ø1/2" Lens Mount with Internal and External SM05 Threads, 8-32 Tap		3
SMR05 (SMR05/M) Ø1/2" Lens Mount with SM05 Internal Threads and No Retaining Lip, 8-32 (M4) Tap		3

SM05 Spanner Wrenches and Retaining Rings

Item # and Description	Photo (Click to Enlarge)	Quantity
SM05NT SM05 (0.535"-40) Locking Ring, 0.75" Outer Diameter		5
SPW603 Spanner Wrench for SM05-Threaded Retaining Rings, Length = 1.00"		1
SM05RR SM05 Retaining Ring for Ø1/2" Lens Tubes and Mounts		10
SM05LTRR SM05 (0.535"-40) Stress-Free Retaining Ring		5

ESK24

SM05 Lens Tubes

Item # and Description	Photo (Click to Enlarge)	Quantity

SM05L03 SM05 Lens Tube, 0.30" Thread Depth, One Retaining Ring Included		5
SM05L05 SM05 Lens Tube, 0.50" Thread Depth, One Retaining Ring Included		5
SM05L10 SM05 Lens Tube, 1" Thread Depth, One Retaining Ring Included		5
SM05L20 SM05 Lens Tube, 2" Thread Depth, One Retaining Ring Included		5
SM05L30 SM05 Lens Tube, 3" Thread Depth, One Retaining Ring Included		5
SM05M05 SM05 Lens Tube Without External Threads, 1/2" Long, Two Retaining Rings Included		4
SM05M10 SM05 Lens Tube Without External Threads, 1" Long, Two Retaining Rings Included		4
SM05M20 SM05 Lens Tube Without External Threads, 2" Long, Two Retaining Rings Included		4
SM05L20C SM05 Slotted Lens Tube, 2" Thread Depth, 2 Retaining Rings Included		3
SM05L30C SM05 Slotted Lens Tube, 3" Thread Depth, 2 Retaining Rings Included		3
SM05V05 Ø1/2" Adjustable Lens Tube, 0.3" Travel		2
SM05V10 Ø1/2" Adjustable Lens Tube, 0.8" Travel		2

SM05 Couplers		
	Photo	

Item # and Description	(Click to Enlarge)	Quantity
SM05T1 SM05 (0.535"-40) Coupler, Internal Threads		3
SM05T2 SM05 (0.535"-40) Coupler, External Threads, 0.5" Long		3
SM05T10 SM05 (0.535"-40) Coupler, External Threads, 1" Long		3

SM05 Adapters and Accessories

Item # and Description	Photo (Click to Enlarge)	Quantity
SM05TC Ø0.70" (Ø17.8 mm) Clamp for SM05 Lens Tubes		5
S05LM38 SM05-Threaded Aluminum Mount for TO-38 Laser Diodes		2
S05LM46 SM05-Threaded Aluminum Mount for TO-46 Laser Diodes		2
S05LM56 SM05-Threaded Aluminum Mount for Ø5.6 mm Laser Diodes		2
S05LDM9 SM05-Threaded Aluminum Mount for Ø9 mm Laser Diodes		2
AD1109F SM05-Threaded Adapter for M11 x 0.5 or M9 x 0.5 Threaded Components		2
SM05PT SM05-Threaded Adapter for Ø3.5 mm Cylindrical Components		2
SM05CP1 Internally SM05-Threaded End Cap		3

SM05CP2 Externally SM05-Threaded End Cap		3
SM05PL Externally SM05-Threaded Plug		2
SM05D5D SM05 Ring-Actuated Iris Diaphragm (Ø0.7 - Ø5 mm)		2

SM05 Spanner Wrenches and Retaining Rings		
Item # and Description	Photo (Click to Enlarge)	Quantity
SM05NT1 SM05 (0.535"-40) Locking Ring, 0.75" Outer Diameter, Slots for Spanner Wrench		5
SPW502 Spanner Wrench for Slotted SM05, SM1, and C-Mount Locking Rings		1
SPW603 Spanner Wrench for SM05-Threaded Retaining Rings, Length = 1.00"		1
SM05RR SM05 Retaining Ring for Ø1/2" Lens Tubes and Mounts		10
SM05LTRR SM05 (0.535"-40) Stress-Free Retaining Ring		3

[Hide SM05 Lens Tube Kits](#)

SM05 Lens Tube Kits

Part Number	Description	Price	Availability
ESK13/M	SM05 Components Essentials Kit, Metric and Universal Components, 126 Pieces	\$2,544.63	5-8 Days
ESK24	NEW! SM05 Lens Tube Essentials Kit, Universal Components, 103 Pieces	\$2,240.00	Today
ESK13	SM05 Components Essentials Kit, Imperial and Universal Components, 126 Pieces	\$2,544.63	Lead Time

