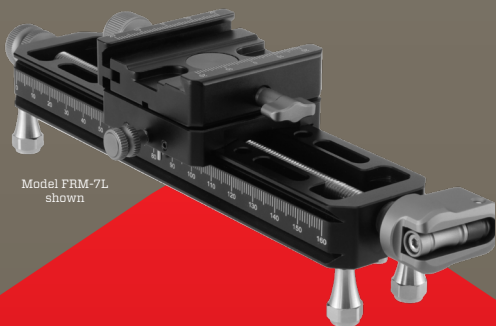




Oben®

FRM-4S / FRM-7L

Macro Focusing Rail



Model FRM-7L
shown

You're on steady ground®

Thank you for choosing Oben

The Oben Macro Focusing Rail provides a stable mounting platform for a camera and lens, and is designed for precise camera-to-subject focusing. Both rails are built for macro photography or exacting close-up work.

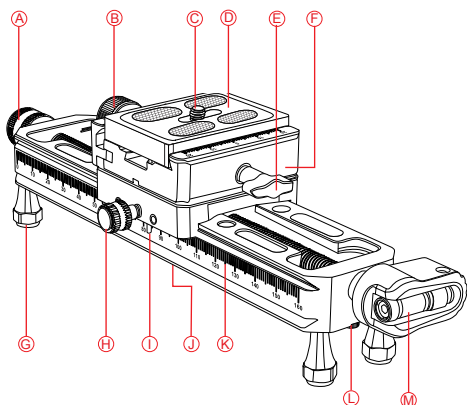
The rail delivers front-to-back control of a macro lens whether the rail is mounted on a tripod or used as a stand-alone tabletop accessory. Stacking two rails together produces side-to-side aiming control that's calibrated in miniscule increments.

**Warnings:**

- *Please read and follow these instructions, and keep this manual in a safe place.*
- *Do not attempt to attach the focusing rail to a tripod with the camera attached.*
- *Remove the camera and lens from the focusing rail during setup and transport.*
- *All images are for illustrative purposes only.*

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for more Oben products.

OVERVIEW

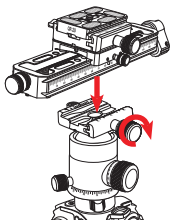
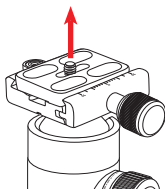
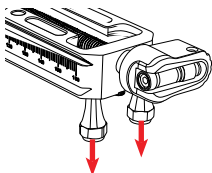


- | | |
|-----------------------------|----------------------------|
| Ⓐ Fine-tune adjustment knob | Ⓗ Drag adjustment knob |
| Ⓑ Quick-release knob | Ⓘ Position pin |
| Ⓒ 1/4-20 mounting screw | Ⓣ 3/8-16 threaded socket |
| Ⓓ Quick-release plate | Ⓚ Scale |
| Ⓔ Pan lock | Ⓛ Stop pin |
| Ⓕ Arca style clamp | Ⓜ Distance adjustment knob |
| Ⓖ Removable feet | |

Mounting

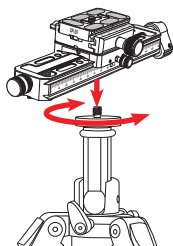
MOUNTING THE RAIL TO AN ARCA-TYPE BALLHEAD

1. Remove the feet by unscrewing them.
2. Remove the ballhead's quick-release lock.
3. Place the macro rail down into the clamp, and tighten the quick-release lock until it's secure.



ATTACHING THE MACRO RAIL DIRECTLY TO A TRIPOD OR NON-ARCA BALLHEAD

Screw the macro rail directly onto the tripod's or ballhead plate's threaded stud. If the tripod head has a 3/8-16 mounting stud, remove the reducer bushing from the rail's socket.



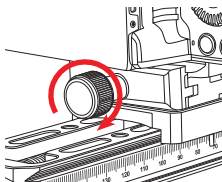
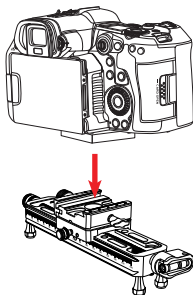
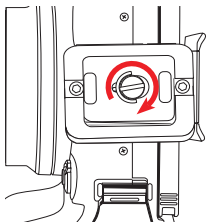
Mounting

MOUNT A CAMERA OR LENS TO THE RAIL

The Arca-type quick-release plate has a 1/4-20 mounting screw that attaches to most cameras.

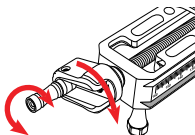
For cameras with a 3/8-16 mounting socket, screw a reducer bushing onto the camera's socket.

1. Screw the quick-release plate into the camera or lens collar.
2. Place the camera/plate assembly into the rail's mounting platform. Make sure the plate sits flush against the bottom of the platform, and the clamp locks around the quick-release plate's grooves.
3. Tighten the quick-release knob until the plate is secure in the clamp.

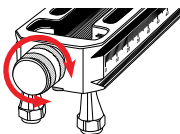


Operating the FRM-7L and FRM-4S

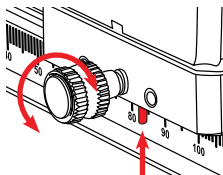
FRONT-TO-BACK ADJUSTMENT



Set the distance from the subject by turning the distance adjustment knob.



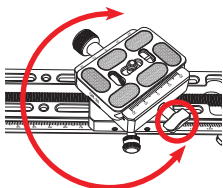
Fine-tune the distance with the fine-tune knob.



For precise distance adjustment with a heavy lens, increase the friction by tightening the drag adjustment knob. For smaller and lighter lenses, decrease the drag by loosening the knob.

Note the location of the position pin on the side scale to duplicate the setup

PAN ADJUSTMENT



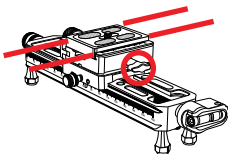
The mounting platform can pan 360°.

Loosen the pan lock and turn the platform to 90°. Tighten the pan lock to ensure the camera and lens won't slip out of position.

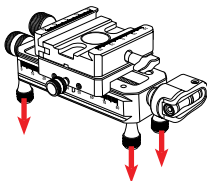
SIDE-TO-SIDE ADJUSTMENT

Stack the FRM-4S on top of the FRM-7L for side-to-side camera adjustment.

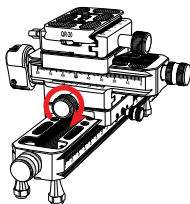
1. Loosen the FRM-7L's pan lock, and rotate the platform so it's panned at a 90° angle. Then tighten the pan lock.



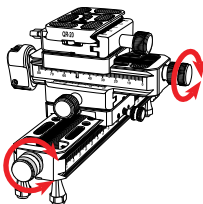
2. Remove the feet from the FRM-4S. Remove the quick-release plate from the FRM-7L.



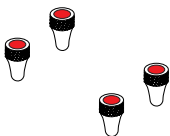
3. Place the FRM-4S's base into the FRM-7L's mounting platform, and tighten the quick-release knob.



4. Use the FRM-4S's adjustment knob for side-to-side movement. Use the FRM-7L's adjustment knob for back-to-front movement.

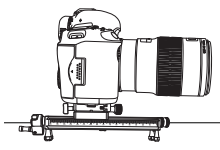


STAND-ALONE TABLETOP USE



The rails include four legs with nonslip rubber pads for traction on highly polished surfaces.

Screw in the legs, and place the rail on a flat surface.



Specifications

	FRM-7L	FRM-4S
Load Capacity	22 lb. (10 kg)	22 lb. (10 kg)
Base Mount	Arca-type compatible	Arca-type compatible
Rail Length	7 in. (17.8 cm)	4 in. (10.2 cm)
Travel Length	6.3 in. (16 cm)	2.1 in. (5.3 cm)
Material	Aluminum	Aluminum
Color	Black	Black
Height	1.75 in. (4.4 cm)	1.75 in. (4.4 cm)
Height (with feet)	2.5 in. (6.3 cm)	2.5 in. (6.3 cm)
Weight	1.1 lb. (489 g)	12.4 oz. (352 g)

Five-Year Limited Warranty

This Oben product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of five (5) years from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function. This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state. To obtain warranty coverage, contact the Oben Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Oben along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.obensupports.com or call Customer Service at 212-594-2353.



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