

Operating instructions

omegon

Omegon® Pro Kolossus mount



Image left:

Mount on an Omegon Pro 40mm carbon tripod (product no. 60250, not included)



Image right:

Mount on an Omegon stainless steel tripod in black (item no. 70719) and an Omegon Pro half pier (product no. 72302), combination available as a set under product no. 75464

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Omegon® Pro Kolossus mount

The Omegon Kolossus is a parallelogram mount for large binoculars. When using it to observe stars, it feels almost as if your binoculars are weightless and floating in the air. This is achieved with a three-part swivel arm, 360-degree rotation, and a mechanism that allows you to perfectly balance your binoculars.

1. Preparation: Please get someone to help you carry the packing carton, it is very heavy. An area of approximately 2 x 2 metres is required for unpacking and assembly.

1.1. Scope of supply: exact contents differ depending on the item purchased:

Product no. 60250 contains:

1. Kolossus mount
2. Counterweight shaft
3. 2 x 3.7kg counterweights
4. L-bracket with ¼" thread and handles
5. Carrying bag



To use the Kolossus mount you will need a stable tripod with a 3/8-inch camera thread connector. We recommend the Omegon Pro 40mm carbon tripod (product no. 60250)

Product no. 75464 additionally contains:

6. Stainless steel tripod
7. Half pier



1.2.1 Assembly:

⚠ Please be very careful when assembling and operating the Kolossus mount! There are many gaps in the frame that you can put your fingers through. In some places you risk pinching your fingers. This is especially the case when the transportation safety locks are open, but the mount has not yet been balanced with the counterweights.

Therefore, please ensure the transportation locks are closed before you begin (picture below left).



Closed transportation lock



Opened transportation lock

It is best to grip the mount by the (still) stowed counterweight bar when lifting it out of the carrying bag. You can put the L-bracket and, if necessary, the counterweights aside for now.

Now screw your tripod head plate to the horizontal pivot joint underneath. Then you are ready to put the Kolossus mount together with its tripod plate onto your tripod. If you are using the half-pier, first screw this onto the tripod. The Kolossus mount fits directly into the upper side of the half-pier.



Product no. 60250: a stable camera tripod with a load capacity > 25kg is required



Product no. 75464: the tripod and half-pier are included

If you have not yet attached the weights to the counterweight bar, you can do that now and ensure that they are secure. The counterweight bar can be extended by a hand span (approx. 20cm). It is best to place the counterweights at the very end of the bar first, because you can roughly balance them by extending the bar.



be moved vertically in the prism clamp

The fastening for the L-bracket is now tilted from its horizontal transportation position to the vertical observation position. You do not need to **loosen or tighten any bolts or nuts**. Connect the L-bracket to your binoculars using the ¼ inch screw and, if necessary, attach the two handles to the bracket. Now you can now insert the vertical side of the L-bracket into the prism clamp. You should insert the bracket into the clamp from above. If the binoculars' eyepieces are approximately at the height of the clamping screw, they are probably more or less in balance – this depends of course on the model of your binoculars.

Now you can extend the counterweight bar even further. It may be necessary to extend it almost completely, depending on the weight of your binoculars and the number of counterweights you are using.

The transportation locks should be closed up to this point, now they can be released. To do this, simply pull the knob out a little, turn it through 90°, and release it again. If the lock sticks, the mount may need to be moved slightly while pulling the knob at the same time.

You will probably find that the Kolossus mount is not yet fully balanced. You can now resolve this by adjusting the counterweight bar. For a finer balance adjustment, you can also shift the position of the weights on the bar. It is useful to have someone with you to help you do this.

Video instructions for assembly
You can watch a step-by-step guide to the set-up on YouTube under the following link.



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1.2.2 Balancing the binoculars holder

You can now also balance the binoculars in their holder. These two orientations are important:

1. Adjust the position in the longitudinal direction (viewing direction): this is possible if your binoculars have a sliding tripod mount.
2. Adjust the altitude position: this is done using the Kolossus mount's prism clamp. To do this, close the transportation locks. Then loosen the clamping screw slightly and slide the L-bracket up or down and re-tighten the clamping screw (see illustration on previous page).



The aim is for the binoculars to hold their position in any viewing direction, without you needing to steady them. The two directional adjustments have some influence on one another, so you may need to repeat steps 1 and 2 a few times to achieve the perfect balance.

1.2.3 Binoculars weighing more than 5kg: You will need an additional counterweight if your binoculars weigh more than 5kg. A single Omegon Pro Kolossus counterweight is available under product no. 75223.



2. Practical tips

The L-bracket can be moved around two axes without affecting the parallelogram arm. We therefore recommend the following procedure:

1. Rotate the entire Kolossus mount on the tripod in such a way that the binoculars point in the desired direction, give or take ten degrees.
2. Find a comfortable viewing position.
3. Use the L-bracket adjustment to fine-tune the binoculars' alignment.

The Kolossus mount is particularly pleasant to use if you are sitting in a comfortable chair. A camping chair with an adjustable backrest is ideal.

Use with a small refractor telescope: You can also attach a small telescope directly to the prism clamp, where the L-bracket would normally be located. For this purpose, the telescope must be equipped with a Vixen-style prism rail (width approx. 4cm). If you are using a spotting scope, this is best attached in the same way as binoculars, i.e. with the L-bracket. The Kolossus mount can be comfortably used with magnifications of up to around 50x.



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