

?? Omegon Pro Pier with adapters

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Pier and its mounting adapters

This guide applies to the following Omegon products:

Article number	Name	Includes the following adapter	Adapters are also available separately.
62564	Pro pier for mounts and binoculars	- without adapter -	
85076	for (H)EQ5 and similar mounts	85074	“Skywatcher” mount adapter
86769	for 3/8” photo thread connection	85729	3/8" mounting adapter
86770	for iOptron mounts	85730	iOptron mounting adapter
86771	for Vixen mounts 45mm	85731	Vixen mounting adapter

image.png

The pier alone, without the top section (#62564), is not yet suitable for mounting a mount or tripod head. On the top it ends in a tube with a 94mm inner diameter. Three angled recesses for M6 screws allow a suitable mount adapter to be attached to the top of the pillar. The (H)EQ5 adapter and the Vixen 45mm adapter are secured with knurled screws, while the other two adapters are attached with hex screws.

? Which version fits which mount?

The connections between telescope tripods and mounts have simply evolved over time. There are no fixed standards, but at least quite similar dimensions are used across different brands for similarly constructed mounts ([More information here](#)). Thus, four different adapters are sufficient to accommodate most commercially available mounts. The necessary mounting screws are included in the scope of delivery, unless otherwise specified.

The following list may not be complete:

85076 Column for EQ5 Mounts with 85074 Skywatcher mounting adapter

Fits:

Omegon

- Twinmaster,
- EQ-500 X,
- half-pier for Kolossus mount,

Skywatcher

- EQ-3,
- (H)EQ-5,
- AZ/EQ-5,
- (AZ-)EQ-6(R),
- Skytee,

Bresser EXOS-2,

Celestron

- AVX,
- CGEM,

Meade LX85,

Vixen GP / GP-DX.

86769 Column for 3/8" photo thread with 85729 3/8" photo thread adaptor

Fits (among others):

Omegon

- AZ-Baby,
- Neptune,
- Fork mount for large binoculars,
- Neptune (also Push+),
- Kolossus,

ZWO

- AM-3,
- AM-5 and AM-5 N,

iOptron

- HEM15,
- HAE16,
- HAE18,

Skywatcher

- Wave-100i,
- Wave-150i,

Rainbow Astro RST-135(E).

86770 Column for iOptron mounts with 85730 iOptron mounting adapter

Fits:

- CEM25, GEM28, HEM27, HAE29
- CEM40, HAE43, HEM44, GEM45
- AZ Pro ([iOptron Star Knobs with Center Post](#) necessary. It is necessary to drill out the 3/8-inch threaded hole in the center to 13mm.
- iEQ45, CEM60, CEM70, HAE69

Unfortunately, the CEM120 doesn't fit (but it would also be too heavy for the column).

86771 Column for Vixen mounts 45 mm with 85731 Vixen mounting adapter

Suitable for mounts with a 45mm pin, e.g.: Vixen AP, GP**2**, GPD**2**, SX**2**, SXD**2**

For traditional Vixen GP mounts, the "Skywatcher" mount adapter is better suited.

? Setup and levelling

1.  Open the clamping lever. It has a spring mechanism: Pull the lever along the screw axis to change its orientation. Fold out the legs. This may require a little jolting. Place the pier tripod at the observation site – initially without the adapter and mount.
2. Screw the adapter to the bottom of your mount – *only attach the counterweight and telescope later*! You can already screw the three side M6 set screws one or two turns into the adapter now.
3. Consider where the cardinal directions are. Due to the three recesses at the top edge of the pier, you cannot rotate the mount arbitrarily! It is better to correctly orient the pier *before* placing the mount on it – the pier can be very heavy with the mount attached.
4. Once the pier is oriented, you can adjust its height slightly. As soon as the height is correct, tighten the clamping lever. If your mount *does not* have a built-in spirit level (bull's-eye level), level the pier now (see 6.).
5. Place the adapter along with the mount onto the pier from above. Turn the adapter a little clockwise so that it cannot accidentally tip off. Clamp the adapter to the pier with the three side M6 screws.
6.  Open the star-shaped lock nuts on the tripod feet. Then use the knurled screws to level your mount, provided it is equipped with a spirit level. Alternatively, you can perform this step between 4 and 5 with a spirit level app on your smartphone – just place the smartphone on top of the column rim. Then turn the lock nuts back down to secure the leveling.
7. Now you can attach the counterweight(s) and then the telescope to the mount.

Tip: You can attach 100 mm tube rings (such as Omegon item no.: 57288) to the column and use them to attach, for example, an eyepiece holder.

? Care and Cleaning

After use on damp nights with dew or frost, please allow to air dry in a heated room to ensure no moisture remains that could promote rust.

Wipe away any dirt with a soft, slightly damp cloth if necessary.

??Security and Copyright

Handle the tripod legs carefully when folding and unfolding them to avoid pinching your fingers.

When attaching and detaching counterweights, mounts, or other heavy parts, be careful that nothing can fall on your feet.

Operate all clamps carefully to prevent any parts from accidentally coming loose.

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