

Manual

Baader ClickLock® Eyepiece Clamp 1¼"

with built-in Diopter-Adjustment (#2458100)

Eyepiece Clamp, Microfocuser and Eyepiece Projection Adapter

Never before has an eyepiece clamp for amateur astronomy been manufactured with so much effort.

Seven precision-milled components result in a highly effective clamping mechanism, which safely holds every 1¼" eyepiece. It also has got a focusing fine thread included, for fine-focusing an eyepiece (or a CCD camera).

If the micro-focusing ring is completely unscrewed, you can access a male T-2 thread, whereupon T-2 extension rings, T-rings, our digital T-adapters and digital cameras (take a look at our ADPS and digital T-System on our web-site).

This way you can change every 1¼" eyepiece quickly – and even focus it! There is no more thumb screw in the way at which one may stuck at night, and a short movement is sufficient to lock an eyepiece very tight – no other eyepiece clamp is so user-friendly!

With slightly more tightening force, even heavy CCD cameras can be held.

You do not have to tighten this clamp as hard as you can, because the mechanical principle comes from professional mechanical engineering. The principle is similar to the tool holder of modern CNC milling machines. The tightening torque is multiplied by skillful use of the lever forces. The object is held on three sides as with a quick-action chuck. Thereby no further tilting motions can occur.

1. Eyepiece Clamp

- 1.1. Turn the combined knurled ring to the left as far as possible – the clamping jaws of the holding mechanism are now fully open.
- 1.2. Insert a 1¼" eyepiece into the clamp – rotate the eyepiece slightly, then it will slide easily into the very accurate clamp.
- 1.3. Now turn the large knurled ring (with our Logo) to the right until the inserted eyepiece is clamped securely. A short twist of 20 degrees – without any effort – is enough to achieve the same tightening force as an ordinary clamping screw.
- 1.4. The outer contour of the construction is ergonomically shaped in such a way that there is sufficient space to rotate the lower knurled ring without applying unwanted force on the upper focusing ring.

2. Focusing Aid (with 5mm stroke) – only for application with Baader star diagonals, or with insight from above

Extremely useful for telescopes with a movable main mirror!
This is to avoid the „mirror shifting“ during fine focusing!

- 2.1. Rotate the combined knurled ring to the left as far as possible and insert the eyepiece or CCD camera.
- 2.2. Without locking the clamp, turn the upper knurled focusing ring further to the left (counterclockwise). The upper collar of the focusing ring will lift the inserted eyepiece.
 If the image appears sharp in the eyepiece (or on the monitor), rotate the lower knurled ring (the ring with our logo) to the right (clockwise) to close the clamp.
- 2.3. Before inserting the eyepiece, briefly check that the micro-focusing ring can be moved in both directions. To do this, turn it slightly counterclockwise to the left, until it can move in both directions.

3. Adapter for eyepiece projection

- 3.1. Remove the focusing ring by unscrewing it completely and keep it in such a way that the fine thread will not get dirty.
- 3.2. The male thread which is now visible is a T-2-thread, just like the one on the other side. The whole eyepiece clamp can be used as a T-2 extension ring with included eyepiece clamp!
- 3.3. Insert any projection eyepiece which fits into a T-2 extension tube (i.e., smaller than 38mm outer diame-



ClickLock Eyepiece-Clamp (T-2 # 8)

ter) or a Barlow lens for projection like our Baader VIP or Celestron's photovisual 2x Barlow and use our T-2-extensions (15mm length: #1508154 – T2#25A / 40mm length: #1508153 – T2#25B / 7,5mm length: #1508155 – T2#25C), to adapt a DSLR or system camera in the desired distance from the eyepiece. This will give you a very sturdy connection!

You'll find a variety of quick-changers and rotators to adapt all kinds of accessories. There are several T-adapters and T-rings for almost all cameras!

Examples of use with adapters from our Astro T-2 System®:



Baader T-2 star diagonal (#1B) with 2" /T-2 nose-piece (#16) and ClickLock (#8)



2"/T-2 nose-piece (#16) and 2" filterthread with ClickLock (#8) – as 2"/1¼" reducer



Baader „SC“-T-Adapter (BTA #21) with ClickLock (#8)



BTA (Baader T-Adapter #21) and ClickLock (#8) at a Celestron C8 telescope



ClickLock (#8) with Vixen adapter ring M43 (#22), for almost all Vixen telescopes



ClickLock (#8) with T-2 Micro bayonet (#7) – Zeiss-standard – for quick changer (#6/#6A), e.g. between CCD-camera and eyepiece clamp



Baader T-2 star diagonal (#1b) with T-2 quick-changer (#6&7), ClickLock (#8) and 2" nose-piece (#16)



ClickLock (#8) M42x1 (#23) for most Russian telescopes



ClickLock (#8) with Zeiss-adapter M44/T-2 (# 13) – for all Zeiss-telescopes, Zeiss star diagonals and eyepiece revolvers made since 1920



For Schmidt-Cassegrain: Maxbright star diagonal with 35mm free aperture, no vignetting – consist of: Baader T-Adapter (#21), T-2 star diagonal (#1A) and ClickLock (#8)



Star diagonal (#1A) with 1¼" nose-piece (#14) and ClickLock (#8)



Maxbright T-2 star diagonal (#1A) with T-2 Quick changer (#6&7) and ClickLock (#8)

Bestell-Nummern:

T-2	Baader	T-2	Baader
01A	2456100	14	2458105
01B	2456095	16	2458150
6&7	2456321	21	2408160
08	2458100	22	1508037
13	1508005	23	1508015



At a Celestron C8": Maxbright star diagonal with 35mm free aperture, no vignetting – consists of Baader T-Adapter (#21), T-2 star diagonal (#1A), ClickLock (#8)



Celestron C8: BTA (#21), Maxbright star diagonal (#1A), T-2 quick changer (#6&7), ClickLock (#8)



BAADER PLANETARIUM GMBH

Zur Sternwarte • D-82291 Mammendorf • Tel. +49 (0) 8145 / 8089-0 • Fax +49 (0) 8145 / 8089-105
Baader-Planetarium.com • kontakt@baader-planetarium.de • Celestron-Deutschland.de