

GF 30mm Binocular Head. CF 250 series Microscope CARL ZEISS JENA

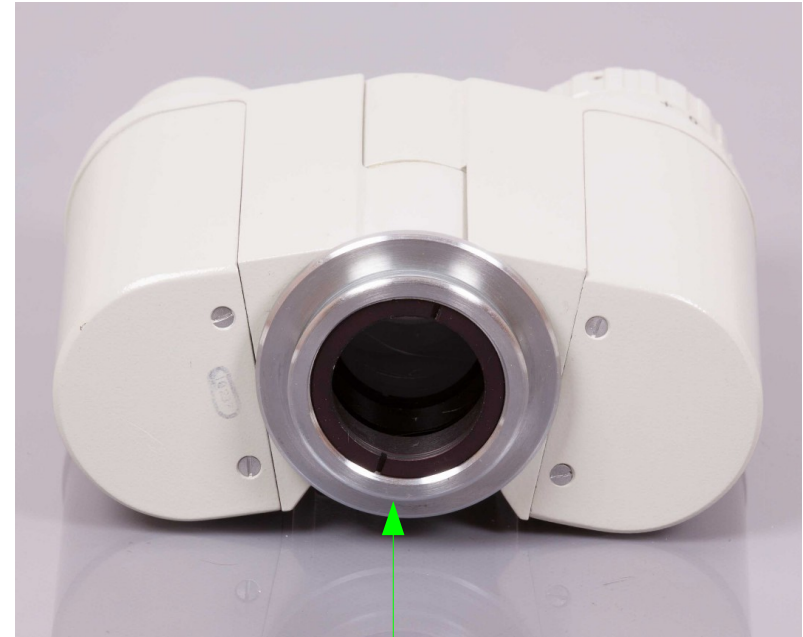
The bino head like received :

- 30mm prism
- 28mm clear aperture nose piece and eyepiece side.

Ebay, Cost : 450\$



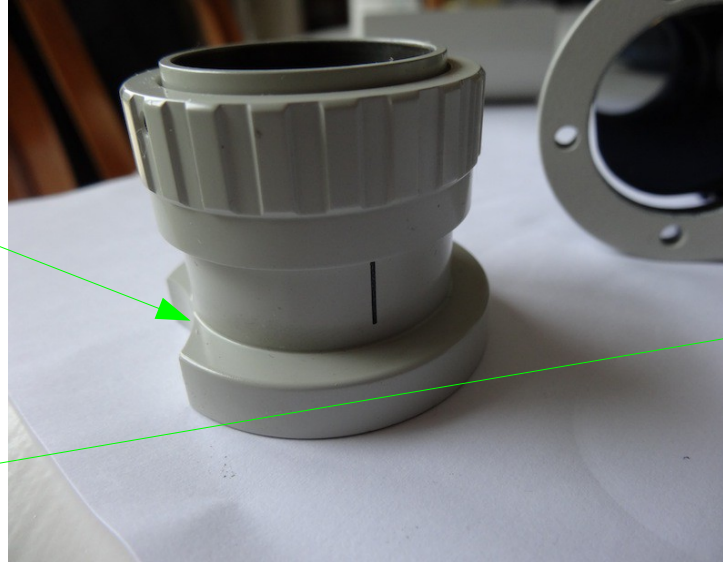
Eyepieces holders must be changed.



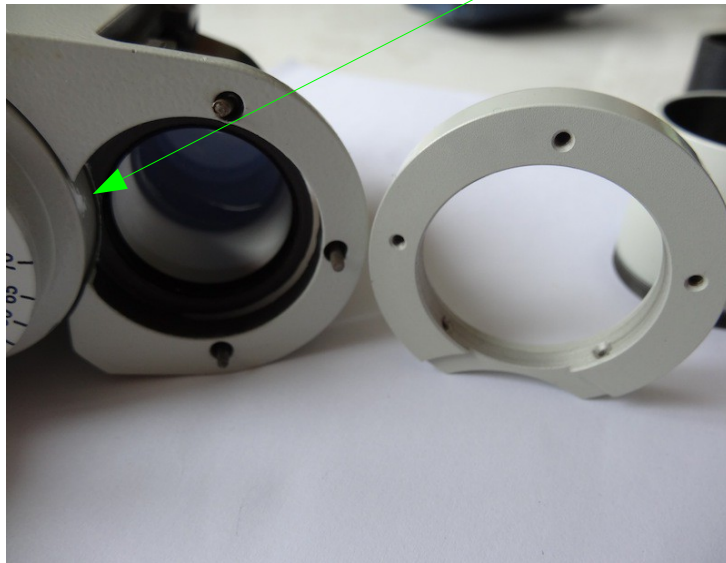
The default head is the same than the one of the MarkV. With Zeiss Bajonet and M34 female Thread for Glass path. No work is mandatory.

Left holder is cut at the top of the base, then flatten.

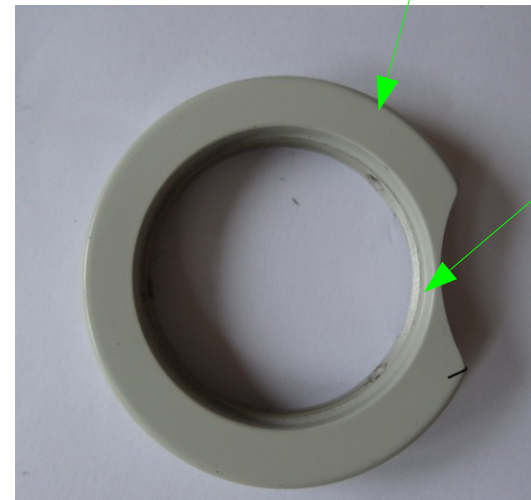
Hole is 34mm wide.



Warning : there is a gap here. To be masked later.



Right holder is keep as is. Eyepiece holder will be glued on it



Hole is 32mm wide.



Two baader eyepiece holder
56\$ each

Remove T Thread with milling
machine (the caps can be
unscrew) or by hand.

Center and glue on the bases of
the Zeiss eyepiece holders



Final result



Head with M34 x0.75 thread

Get a 2'inch 1.25 reducer

With a lathe :

- Enlarge to front to at least 40mm
 - Create M34 x0.75 thread on 5mm
- It cost me 60\$ at the workshop for this adaptation.

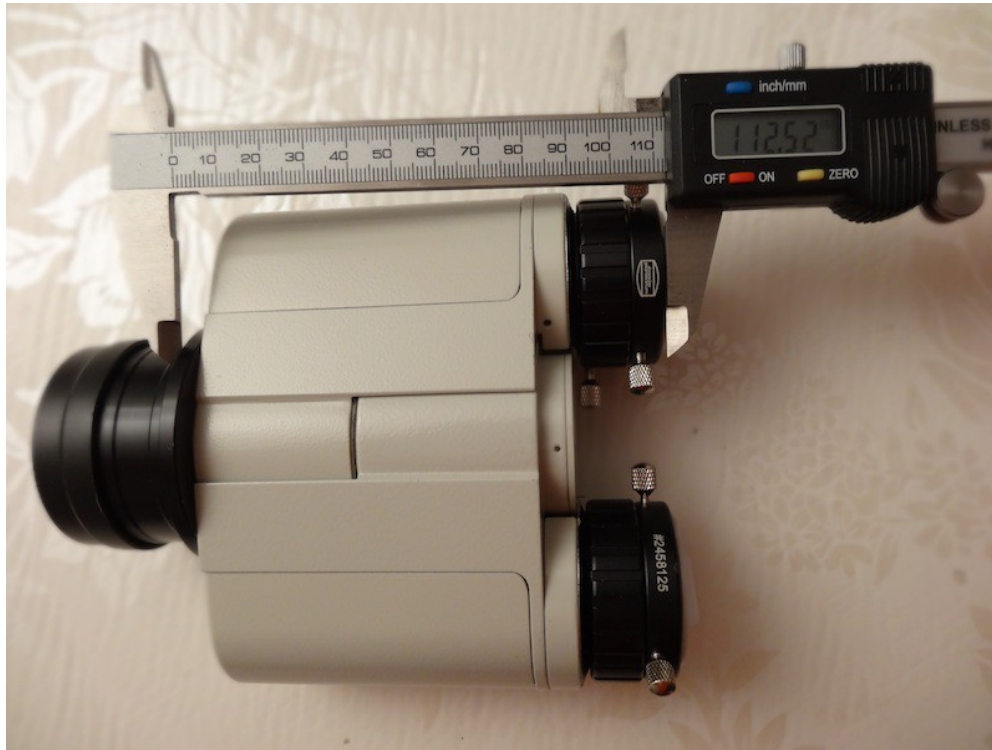
After the reducer fit the head

You can thread other 2inch with native M48

- Powermate
- 2" barlow lens

With M34 female you can thread Baader glass path





112mm optical path.
MarkV is 116mm



Due to the gap, there are tiny/faint stray lights in the right holder that could be annoying when looking at the sun in H-Alpha.

Put a black plastic ring 100mm width (32mmx3.14), 7mm height. It will mask the gap.