

IMPORTANT NOTE:

Proper opening of the Hyperion® 68° eyepieces for variable focal length extension

Please note that Hyperion® eyepieces must not be opened arbitrarily. There is only one level in the eyepiece construction that is intended to be opened by the customer. This is the M48 (filter) thread at the top of the 1¼" eyepiece barrel.

Other construction planes are secured against unscrewing with Locktite and a violent opening of the eyepiece in the wrong place would cause fine chunks of the screw locking device to spread over the inner lens surfaces in an inaccessible place. Cleaning of such a damaged eyepiece is time-consuming and costly. **In addition, the warranty claim expires if the eyepiece is handled improperly** (disassembly would be improper handling in this case).

After unscrewing the 1¼" barrel with the M48 thread, you will see that the inner surfaces of the eyepiece body around the first lens group – but also around the large entrance lens into the actual eyepiece – are provided with a special dust adhesive layer. The purpose of this adhesive layer is to bind dust particles, which are roving around inside the eyepiece, to the adhesive layer by adhesion and to keep the lens surfaces clean in this way - similar to "fly glue". This "adhesive layer" is designed in such a way that it does not harden even over years, so that the effect as a dust catcher is always maintained. Do not try to remove this coating! The adhesive coating is intended to be very tough and difficult to remove and you are much more likely to run the risk of spreading some of the material on the lens surfaces.

If, after removing the first lens group – e.g. to change the focal length of the eyepiece with Baader finetuning rings (FTR) – you should notice that a grain of dust has gotten lost on the lens surfaces, please do not try to clean the lenses immediately. Rather, there is a chance that such a dust particle will automatically fall off the lens and stick to the coating as soon as you do not touch the eyepiece for a longer period of time and the static charge in the eyepiece has subsided. The non-conductive lens surfaces in particular are statically charged by friction during use, which causes dust to settle preferably on the glass surfaces.

The adhesive layer is the only means of reversing this process and keeping the lens surfaces free of dust in the long term. Almost all manufacturers of high-quality optics now use this method to keep the inner workings of their lenses and spotting scopes dust-free and free of color crumbs. (We can also imagine such a coating for the inner wall of telescopes with open tubes, for example, but nobody has solved the problem of the increased reflection of such a layer yet).

When used in an eyepiece or a spotting scope, you can choose places on the inner wall where no grazing light touches the wall and could cause scattered light. After careful inspection, you will find that the adhesive-coated inner surfaces in your Hyperion® eyepiece are only to be found where no stray light falls on the wall! All other areas in the eyepiece that could cause stray light are painted matt black – as are all lens edges that could contribute to stray light formation! Place the eyepiece in a row with all your other eyepieces and look at the exit surfaces from above at some distance, you will hardly find an eyepiece with less stray light (darker inside).

The Hyperion® eyepieces are prepared for the most careful use as modular optics by the adhesive coating, among other things. However, they require the same degree of care and attention from the user as from the eyepiece designers.

Our optical designs are known for the fact that we expect initiative, curiosity and care from the user and that we do not regard our customers as underage consumers. With this in mind, with the Hyperion® eyepiece we give you a tool with which you can carry out many of your own experiments. Please treat it well.

Further information such as usage example of our Finetuning Rings (FTR) can be found in our **Instruction manual of the visual and photographic application-options for the modular Hyperion® 68° eyepieces** in multiple languages at:

www.hyperion-eyepieces.com



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