

# IMPORTANT INSTRUCTIONS! READ BEFORE USING YOUR BINOTRON-27

## Before Beginning

The eyepiece holders of The BINOTRON-27™ contain three different rings. They are very important and understanding what they do will allow you to secure your eyepieces using **Eye-piece Locking Ring A**, fine-focus your eyepieces individually using **Diopter Ring B**, and collimate your Binoviewer quickly and easily using **Collitron Ring C**. In order for all of these mechanisms to function smoothly and trouble free, **Ring B** must be turned Clockwise to the right until the second or third gradient is visible. Please make sure that your **Diopter Ring B** is set so that at least two gradient lines are visible. We set this before shipping to you but it is best to double check.

## Proper Operation

**Ring A** secures your eyepieces. Rotation to the left counter-clock-wise loosens the dust plug so it can be removed. The eyepiece barrel is inserted and then Ring A is turned to the right clockwise to secure the eyepieces. There is no need to over-tighten. If you wish to tighten the eyepiece in the holder to a high degree, then make sure that you grasp Ring B to prevent it from also rotating if turning Ring A tightly. We feel that over-tightening Ring A is unnecessary.

**Ring B** raises and lowers the eyepiece. turning Ring B to the left counter-clockwise *lowers* the eyepiece. Turning Ring B Clockwise *raises* the eyepiece. Only a very small amount of travel either way is needed to tune in very fine focus for each eye while viewing through your telescope. So always keep at least two gradient lines visible.

In this way, the eyepiece can be moved up or down while viewing. Bottoming out the diopter toward Ring C by over-rotating ring B to the left will not allow the diopter to operate properly and if Ring B is forced past termination to the left and bottoms out tightly, collimation may be lost. This only means that you must then use the Collitron Rings to collimate the binoviewer. However, it will be frustrating if this occurs often.

## Ring C

Please consult main instructions for collimating the binoviewer by way of the Collitron Rings. It is VERY EASY to master!! Do not be nervous about taking advantage of this capability. Note that each and every BINOTRON-27 is collimated to a high degree before it is shipped. We collimate the holders and firmly tighten the Collitron Rings. To loosen them, you may slip any appropriate tool into one or another hole in the Collitron Ring and rotate this Ring C to the left counter-clockwise. We do not over-tighten the C Rings though and they can likely be loosened without tools. In fact, the tool is an afterthought and provided to those who wish to tighten the Collitron Rings more firmly than can be done with finger pressure only. If your BINOTRON-27 was shipped without a tightening tool, please email us. We are machining them at the time of writing. We will ship to you at no additional charge.

