

RADIAN EYEPIECE INSTRUCTIONS

Thank you for purchasing a Tele Vue Radian eyepiece. Each of these new 1 1/4" barrel models feature 20mm of eye relief along with a 60 degree apparent field. Using a variant of the original Nagler design, we were able to keep the size and weight down, while achieving the best sharpness, linearity (freedom from pincushion distortion) and ghost suppression over the entire field for any speed (f/#) telescope.

Your new Radian eyepiece is designed for optimum viewing whether or not you wear eyeglasses. Our unique new "Instadjust" eyeguard housing allows for full eye relief for eyeglass wearers in the down position. Pulling the housing up will permit click-stop setting of the eyeguard height allowing for an ideal match between your eye and telescope pupils. With this much eye relief available, it is important to learn your own optimum "click stop" position.

If you don't wear eyeglasses, start with the eyeguard housing pulled out all the way. You can fold the soft rubber eyeguard up or down, whichever is most comfortable for you. You may not see the full field with the eyeguard housing fully extended; just keep "clicking down" until you find the most comfortable position where you still see the entire field (this is much easier to do than to explain how, thank goodness). You will also find that this system minimizes extraneous outside light, giving you the highest contrast for those "faint fuzzies". The generous 20mm of eye relief also minimizes eye lens fogging due to eye moisture in cold weather. See reverse side for operation with pupil guide.

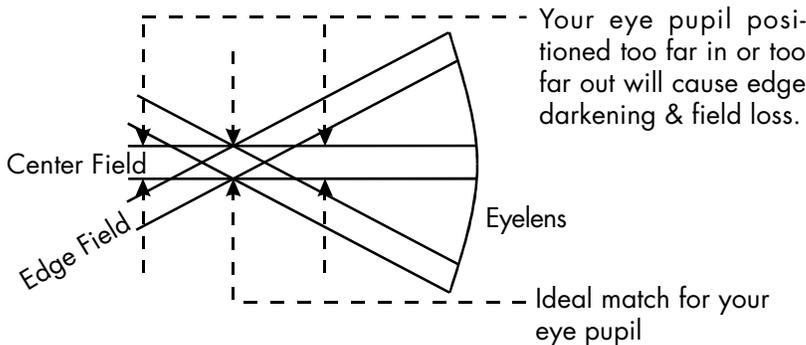
Following is a table of all Radian focal lengths and their corresponding effective field stop diameters. To determine the true field in degrees for an eyepiece on any given telescope, simply divide the field stop diameter of the eyepiece by the focal length of the telescope (in mm) and multiply the result by 57.3 degrees (a radian).

Warning: to avoid getting dust and dirt into the eyepiece, do not unscrew the chrome barrel.



Radian F.L.	Field Stop Dia.	Elements	Weight (lbs.)
18mm	18.3mm	6	0.5
14mm	14.4mm	6	0.5
12mm	12.6mm	6	0.5
10mm	10.5mm	6	0.5
8mm	8.3mm	6	0.6
6mm	6.3mm	7	0.8
5mm	5.3mm	7	0.8
4mm	4.2mm	7	0.8
3mm	3.3mm	7	0.8

Proper Eyeguard Positioning



Please fill out & return to receive preview notices on new Tele Vue products.

Name _____

Street _____

City _____ State _____ Zip _____

Telescopes Currently Owned: _____

Radian(s) Purchased: _____

Tele Vue Eyepieces Currently Owned: _____

Other Eyepieces Currently Owned: _____

Comments on Radians: _____

Thank You

PUPIL GUIDE INSTRUCTIONS

Introduction

(Note: Pupil Guide is for people who do not wear eyeglasses)

The new Tele Vue Radian and Nagler Type-4 eyepieces have tremendous eye relief and field sizes. That's why the Instadjust™ eyeguard system is built-in. Experienced observers will find the ability to match their ideal pupil position a big advantage. But we have noticed that a few inexperienced observers have had some difficulties. The enormous eye lens aperture and eye relief of these eyepieces made it difficult for them to locate the exit pupil when viewing with a dark sky background.

Enter Pupil Guide™ - a thin plastic disc (to fit Radian and Nagler Type-4 eyepieces) with a centering hole that intuitively guides the inexperienced eye to exactly the right place.

Installation

- 1) to avoid touching the eye lens, fully extend the Instadjust barrel
- 2) remove the rubber eyeguard
- 3) place the Pupil Guide disc on the Instadjust barrel, with the "Radian" logo (for Radian eyepieces) or the "Nagler-4" logo (for Nagler Type-4 eyepieces) facing up
- 4) snap the rubber eyeguard back on
- 5) move the Instadjust barrel up and down to a position where the full field is seen without wearing eyeglasses (eyeglass wearers should remove Pupil Guide and readjust the Instadjust barrel for the most comfortable full field viewing)

Voilà, a perfectly placed pupil!

And surprise! ...experienced observers not needing glasses may find that Pupil Guide has other benefits, too:

- 1) it masks stray light coming into the eyepiece, yielding darker backgrounds and higher contrast images
- 2) it helps keep those grubby fingers and oily eyelashes off that beautiful eye lens surface
- 3) it inhibits dewing and condensation from eye moisture

Enjoy!

