

► Thank you for choosing **SurgiTel®**!

Your **SurgiTel®** telescopes have been designed to meet the demanding needs of today's clinical professionals. Please keep in mind that you will have a hand-eye coordination adjustment period of about two weeks. Begin slowly with simple movements, working your way up to more complicated procedures. In the end, **SurgiTel®** telescopes will allow you to see, work, and feel your best.

► GETTING STARTED

- 1 Remove protection caps.
- 2 Adjust nose pads.
- 3 Move your frame slightly away from face/eyes to minimize fogging.
- 4 Sit at your measured working distance.
- 5 Approach your magnified image slowly until you are comfortable with the depth perception change.
- 6 Secure retainer strap attached to temple arms, this will increase stability with higher magnification.



► Make sure you are wearing the frame comfortably on your nose by not positioning the frame too close to your eyes.

Starting Magnification Tips

- ❑ A new or upgraded user to magnification will experience a normal "adjustment" period.
- ❑ This is normal as you are adjusting to using your new loupes on two levels:
 - **Hand/Eye Coordination** – getting used to working with a magnified field.
 - **Improved Posture** – getting used to sitting more upright.
- ❑ For the 1 Week: Begin by working for 1-2 hours in the morning on simple procedures.
- ❑ For the 2 Week: Gradually work your way to more complex procedures, both in the morning and afternoon.
- ❑ Also, do not walk around with your telescopes on. Be sure to take them off when walking around.



► WARRANTY

SurgiTel's mission is to provide the best products for your *Vision & Ergonomics at Work*. To support this commitment SurgiTel® warrants all of its products.

SurgiTel® strives to make the best loupes and light systems available. Please inspect and try on product immediately upon receipt. If you notice any issues, contact our customer service department at 800-959-0153.

For both warranty and out-of-warranty issues, contact SurgiTel® Customer Service regarding repairs.

Warranties vary by product. Check www.surgitel.com/warranty for more details. Check www.surgitel.com/help for up to date care information/instructions. Please keep up to date on care information/instructions, as warranties can be affected if product is misused.

► PATENT

U.S. Patent Numbers: US 7,791,798; US 8,913,318; US D649,571; US 8,964,292; US 9,465,235; US D746,354; US 9,383,077; US 7,719,765, US 9,494,299, US 8,068,169, etc.

SurgiTel®

a division of General Scientific Corporation
77 Enterprise Drive • Ann Arbor, MI 48103-9503
E-mail info@surgitel.com • www.surgitel.com

SurgiTel®



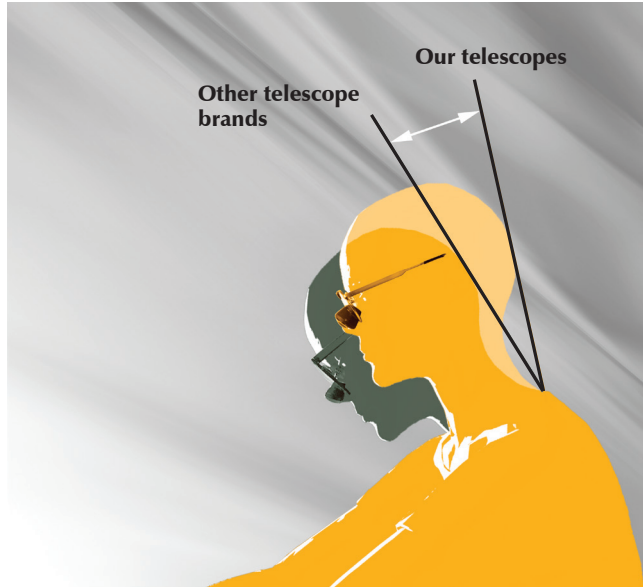
USER INSTRUCTIONS

ErgoVision®

Through-the-Lens (TTL) Telescopes

▶ POSTURE & COMFORT

SurgiTel® magnification systems were designed to promote great body positioning. In order to maximize this effect, the user must be aware of common mistakes made while using a TTL telescope.



1. Bending your head towards your chest to look over the oculars can create neck discomfort.
2. Wearing the frame on the tip of the nose creates a smaller field of view.
3. Rushing to bring instruments into the magnified field during the learning curve can create a feeling of awkwardness due to the change in your depth perception.

Remember to sit at a measured working distance and take your time getting used to your new telescopes and after a short period of time your work will become naturally easier.

▶ CLEANING & DISINFECTION

DO NOT USE:



Lysol® or any cleaners with alcohol, ethanol, ammonia, glutaraldehydes, iodophors

DO NOT:



Rinse Under Running Water
Submerge in Water or Any Liquid
Autoclave

DO CLEAN:



Use eyeglass cleaners or apply mild soap and water with a soft cloth until particles are loosened. Wipe or air dry.

DO DISINFECT:

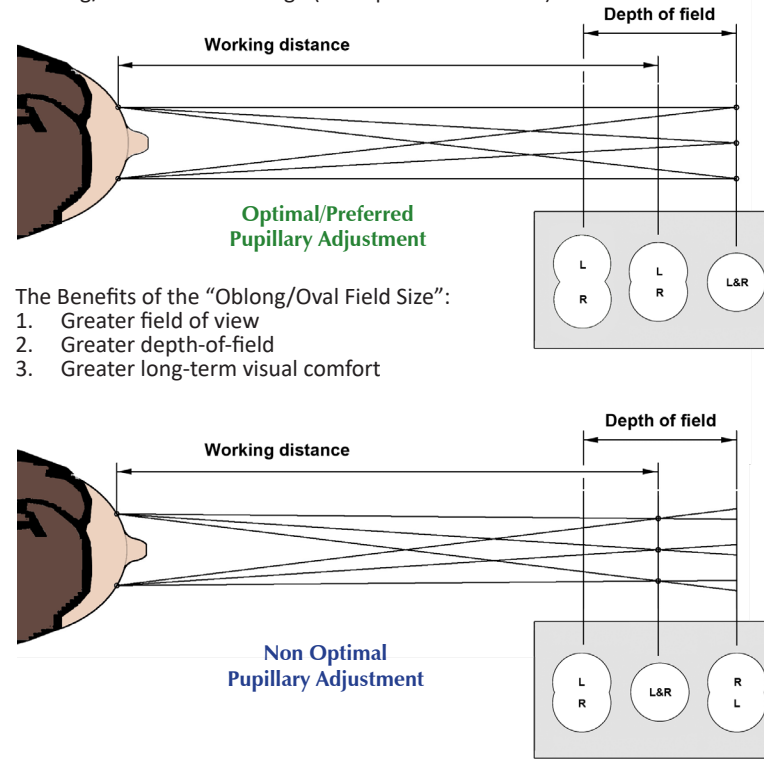


Use SciCan® OPTIM solution only. Dry thoroughly. SciCan® OPTIM can be purchased through SurgiTel.

FACTORY REFURBISHMENT CLEANING: is available if you come across a difficult cleaning situation. Call customer support for details: 800-959-0153

▶ P.D. (PUPILLARY DISTANCE)

The ideal P.D. your loupes are manufactured to is not one "circle," but rather one "oblong/oval" with one image (like a pair of binoculars).



The Benefits of the "Oblong/Oval Field Size":

1. Greater field of view
2. Greater depth-of-field
3. Greater long-term visual comfort

Our extensive loupe manufacturing experience, based on years of customer data, has taught us that setting your loupes to one "circle field" at the specific working distance runs the risk of the visual convergence crossing-over and potentially leading to eye strain.

If you prefer we can manufacture your loupes to "one circle field" - we can accommodate this, however, it is not recommended.

▶ SETTINGS/ADJUSTMENT

SurgiTel® offers a large number of frames for mounting magnification.

Please follow the steps below if additional frame adjustments need to be made to increase the comfort of your TTL telescopes.

Oakley frames

Go to www.oakley.com for info on your specific frame model.

SurgiTel Aero frame

If the temple arms are too tight or too loose, you can easily adjust the width of the temple arms by evenly bending them at the ear piece of the temple arm.

SurgiTel Ergo frame

If the temple arms are too tight or too loose, you can easily adjust the width of the temple arms by evenly bending them at the ear piece of the temple arm. Ergo frames may also be adjusted at the temple arm hinge.

**Make sure to grasp the eyeglass rim firmly before bending hinge.*

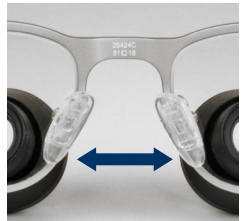
▶ ADJUSTING NOSE PAD(S)

When the nose pads are properly adjusted to your face, they will provide excellent comfort and balance. If the nose pads do not make even contact with your nose comfortably, please follow the directions described below.

SurgiTel frames

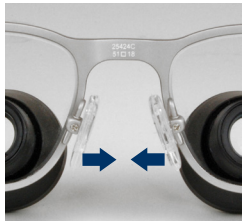
Adjusting Nose Pads for Too High Oculars

Adjust the width of the nose pads by bending the nose pad wire mounts outwards (fig 1). By doing so, this will reduce the height of the frame and lower the ocular position.



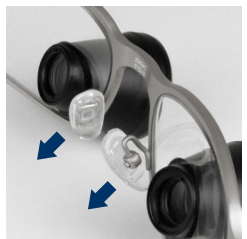
Adjusting Nose Pads for Too Low Oculars

Adjust the width of the nose pads by bending the nose pad wire mounts inwards (fig 2). By doing so, this will increase the height of the frame and raise the ocular position.



Adjusting Nose Pads for Low Nose

If the nose pads are not evenly placed on the bridge of the nose, bend the wire mounts down and away from the frame (fig 3) and readjust the width of the nose pads if necessary. Note that the wire mount tilt angle depends on the bridge of the nose. The less nose bridge you have, the larger the tilt becomes to fit your nose.



Nose Pad Covers

By attaching nose pad covers (not shown), this will help increase the height of the frame and raise the ocular position up to 2 mm (0.079 inches). Also these nose pads will improve comfort when worn.

Oakley frames

Single Nose Pads

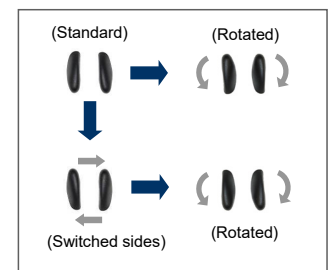
Change orientation and/or nose pad size until you find your correct ocular alignment position (fig 4)

Single String Nose Pad

Alter ocular height by changing nose pad size. Only thin and thick nose pad options are available. (fig 5)

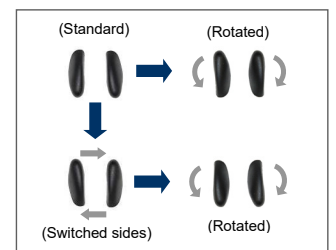


fig 5



Small (4 configurations)

fig 4



Large (4 configurations)

fig 4