

DentalLoupeSource

Always the Best Products, Always the Best Price

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NUMBER 54

Flip-Up Dental Loupes and LED Lights



**Buy factory direct
and SAVE!**

DENTAL MEDICAL SURGICAL VETERINARY DENTAL HYGIENE



THE FINEST LOUPES and
BRIGHTEST LED LIGHTS at

Absolutely Lowest Prices

- Real value direct from our factory - you eliminate dealers and salesmen.
- Premium-grade optical glass produces sharp edge-to-edge clarity.
- Extremely high resolution.
- All lenses are multi-coated for anti-glare, anti-fog and scratch-resistance.
- Ultra lightweight for comfort.
- We use only quality TITANIUM frames.
- Lenses independent of the frame for your prescription and future changes.
- Brightest LED Light with Lithium-ion battery for freedom of movement from operator to operator.
- LED Light securely attached to Loupes, Head Band or Head Support.

Check our Quality (pages 5 & 6), Pricing (pages 7 to 15) and Service (page 18).
Read our educational materials (pages 3 & 4, 16 & 17) and become a Dental Loupe expert (without the expensive salesman!) in only a few minutes!

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FREQUENTLY ASKED QUESTIONS :

Why are they called Dental Loupes?

Dentists in huge numbers were the first to really appreciate the advantages of magnification in their work. Dentists had been trained to use fine tipped instruments such as Explorers to detect caries and to check the non-visible margins on restorations and crowns with their tactile senses. Suddenly with Dental Loupes they could easily see what they had only guessed at!

Today we also call them Surgical Loupes since over one-half our sales are to physicians, surgeons, veterinarians, podiatrists, scientists, and even lovely older ladies doing fine French flower beads! We receive phonecalls and e-mails everyday from orthodontists, restorative dentists, oral surgeons, periodontists, implantologists as well as cardiac surgeons, neurosurgeons, plastic surgeons and dermatologists with questions about the best Magnification, Field Width and Working Distance for their work.

What technical support is available?

With many years of actual usage as well as sales experience, our professional staff can answer all your questions to help you select the Loupes that are best suited to your individual needs. We do not charge for this service and you do not have to purchase our products!

Why are OrthoSource Dental Loupes so inexpensive?

Over the years, we have assembled the best optical components, lens grinders, factory team and helpful staff. With this experience comes the elimination of errors and the manufacturing of a quality product. Our success and tremendous volume allows us to offer the finest quality at unmatched prices. Our competition hates us - our customers love us!

Why is there such a variation in pricing in catalogs and on the internet?

There are many levels of pricing and quality for Dental Loupes:

1. Internet bargains - poor quality products from businesses interested in selling and nothing else. They come and go like flies along with their garbage!
2. OrthoSource - Factory Direct, Quality and Innovative Products, Years of Experience in Manufacturing, Experienced and Supportive Staff and Satisfied Customers. And best of all, we have the absolute lowest prices anywhere in the world.
3. Catalog sales both direct mail and internet - they offer similar products as OrthoSource but at 3 to 5 times our price.
4. Direct Salesmen - they come to your office to sign you up and intimate that you are not competent to do the one necessary measurement - Working Distance! You can easily and perfectly take that one critical measurement and save yourself a \$1000!
5. Fine optical manufacturers such as Leica and Zeiss (German) or Nikon (Japanese.) Although they may optically correct their lenses to the very periphery, you only look through the center and turn your head to view objects. Unless you are a frog and see at the periphery or want to spend \$1800 to \$4000 for useless features, save your money.

What is the difference between Through The Lens (TTL) and Flip-Up Loupes?

Flip-Up (Hinged) Loupes which are vastly more practical and inexpensive have almost completely replaced TTL Loupes. TTL while weighing a few grams less, have no adjustments and are extremely expensive. Furthermore they are best when fitted by an optician, not a salesman.

COMPARISONS	THROUGH THE LENS
Price	Very expensive
Salesman	Required (optician preferred)
Weight	A few grams less
Adjustments	None - Loupes are glued in
Lenses	Can not be changed
Writing	Remove or use other glasses
Talking	Remove Loupes

FLIP-UP LOUPES
Very reasonable
No salesman needed
A few grams more
Easily adjusted
Easily changed by any optician
Just flip up!
Just flip up!



TTL are expensive, with glued-in lenses, not adjustable, and have limited usage since they must be removed for the doctor to write or talk to patients.

Do I need a salesman to come to my office?

If you can read a tape measure or yardstick, you do not need to give a \$1000 to a salesman.

How difficult is it to adjust the Loupes in my own office?

There are only three simple adjustments and they are explained in detail on pages 16 and 17 of this catalog. If you have any questions, just call or e-mail our experienced staff.

Do I need an LED Light?

Magnification is only one-half the problem - the other half is putting bright light where you work. The older halogen and heavy LED Lights are almost antiques! Our latest 11 gram Fly Weight LED Light will change the way you practice - you will be able to see what you are doing!

FLOW CHART QUESTIONS FOR ORDERING DENTAL LOUPES:

1. What is the optimal Magnification to do my work?

The higher the Magnification, the smaller the Field of View (width) and Depth of Field (focusing distance) and the greater the time required to adjust to working with Loupes. Sometimes only one Magnification can not cover all the different types of work that you do.

2.5x or 3.0x - Everyone should start with Loupes at this Magnification since they are very easy to get used to and will amaze you by the detail you never saw before. Orthodontists do not need any higher magnification and all dentists can use this level for examination and prophylaxis. Physicians and Podiatrists will find these excellent for initial diagnosis and treatment. You may want a pair of 2.5x Loupes for assistants so that they can assist better and also appreciate the procedures that you are performing.

4.0x - this is excellent for fine detail such as suturing and examining crown margin preparations and silicone impression detail. The 4.0xW Extra Wide Field of View model provides a 20% wider Field of View.

6.0x - These Loupes are used for the finest detail work such as nerve and vessel anastomosis and in identifying accessory root canal orifices.

"Ten years ago during a Surgery Meeting, I stopped to look at a dealer's Dental Loupes. Although the Loupes were large and heavy, the magnification was amazing - for the first time in my career, I could actually see exactly what I was doing!! And the miserably uncomfortable hot halogen lamp on its heavy feathered cable made the darkest recess of the mouth light up like sunshine. I wanted the Loupes and Light immediately until I heard the \$3400 price tag! I decided to manufacture them myself. Today we produce over 350 Dental Loupes and Lights with 6 different magnifications. The lights are now cool LED lights and are so light weight (11 grams) as to be almost unnoticeable. Not only is quality vastly superior to those original Loupes and Lights, but our price now makes superb vision and bright light affordable for everyone." Dr. Lloyd Taylor, President



2. How do I determine the Working Distance?

Sit or stand in your normal working position with a patient on an examining table or seated in a dental chair. Place your hands in your usual operating position. Using a tape measurer or yardstick, have an assistant measure the distance from the bridge of your nose to the operating area or the patient's mouth. Repeat this once or twice to be certain that the number for each patient is consistent. Do this for three different patients and average the number. You have now determined the only critical measurement for the Loupes by yourself without a salesman and have saved yourself over \$1000!

3. How critical is this Working Distance number?

Working Distance is directly related to your height. Working Distances for each style of Loupe start at about 340 mm (13 1/2") and go up to 620 mm (24 1/2") for a few special Loupes. You can use the charts in our catalog to see the available Working Distance for the Magnification you select in the various types of Loupes. We can assist you in selecting the optimum Working Distance related to your height and the Magnification that you select. Usually if you are in the middle of a Working Distance, we recommend the slightly higher number. Fortunately most Loupes have a large Depth of Field (up to 80 mm - about 3 inches) which allows your eyes to easily adjust to the slightly larger Working Distance. The higher the Magnification, the smaller the available Depth of Field adjustment range and the more time needed to learn to work with them.

4. Which Working Distances are available?

Looking at the charts for the various Galileo or Prism Loupes, you will see the available Working Distances for each Magnification. We manufacture 7 different Working Distances depending on the lenses in the Loupes and therefore not all 7 are available for every Loupe style. Again with our experience, we will help you find the best solution for your needs. The approximate millimeter to inch conversion are:

340 mm = 13 1/2" 350 mm = 14" 420 mm = 16 1/2" 450 mm = 17 1/2" 500 mm = 19 1/2" 550 mm = 21 1/2" 620 mm = 24 1/2"

5. Do you wear corrective lenses?

All Loupes (except Clip-Ons) come with clear polycarbonate lenses. If you do not wear corrective lenses, these clear lenses will be perfect for you. If you do wear corrective lenses, you can try to do your work using the Loupes with just the clear corrective lenses. If this is not comfortable, any optician can place corrective lenses according to your prescription in place of the polycarbonate lenses.

Another easy option for corrective lens users is the Clip-On Loupes. Here the Loupes simply just clip onto your own corrective glasses like clip-on sunglasses. Clip-On Loupes are only available in 2.5x, 3.0x and 3.5x Magnifications.

6. Do I need an LED Light?

If you are a dentist, you ALSO need an LED Light. The LED Light moves with your head and therefore your eyes - wherever you look you will have light! You will immediately realize that the dental operatory light is almost useless. You will now be able to see what you are doing. If you are a doctor doing patient examination or surgery, you can continue to work with just your Loupes and your current overhead light. But with the Loupes, you will now see that areas not in direct illumination are really in shadows and poorly lit. Having an LED Light will illuminate every part and angle of your work. You can add the LED Light at any time.

7. Do I need an extra battery for the LED Light?

The Lithium battery will provide 5 to 8 hours of light depending on the intensity you select. Should a battery die during your work, you can plug one end of the charger into the battery and the other end into a socket or extension cord. Your LED Light will be at full output and your battery will charge at the same time. Although not necessary, it is very convenient to have a spare charged battery. This can also be added later if desired.

PRINT ORDER FORM ORDER FORM e-mail to orthosource@aol.com or fax to 818-982-9501

Name _____ E-mail _____

Address _____ Phone _____

City _____ State _____ Country _____ Postal Code _____

Credit Card Number _____ Expiration _____ Signature _____

Product Cat. No. _____ Product Cat. No. _____

Magnification Wanted _____ Working Distance _____

Loupes Wanted (circle 1): Ultra Light Loupes Standard Loupes Wide Field Loupes Clip-On Loupes

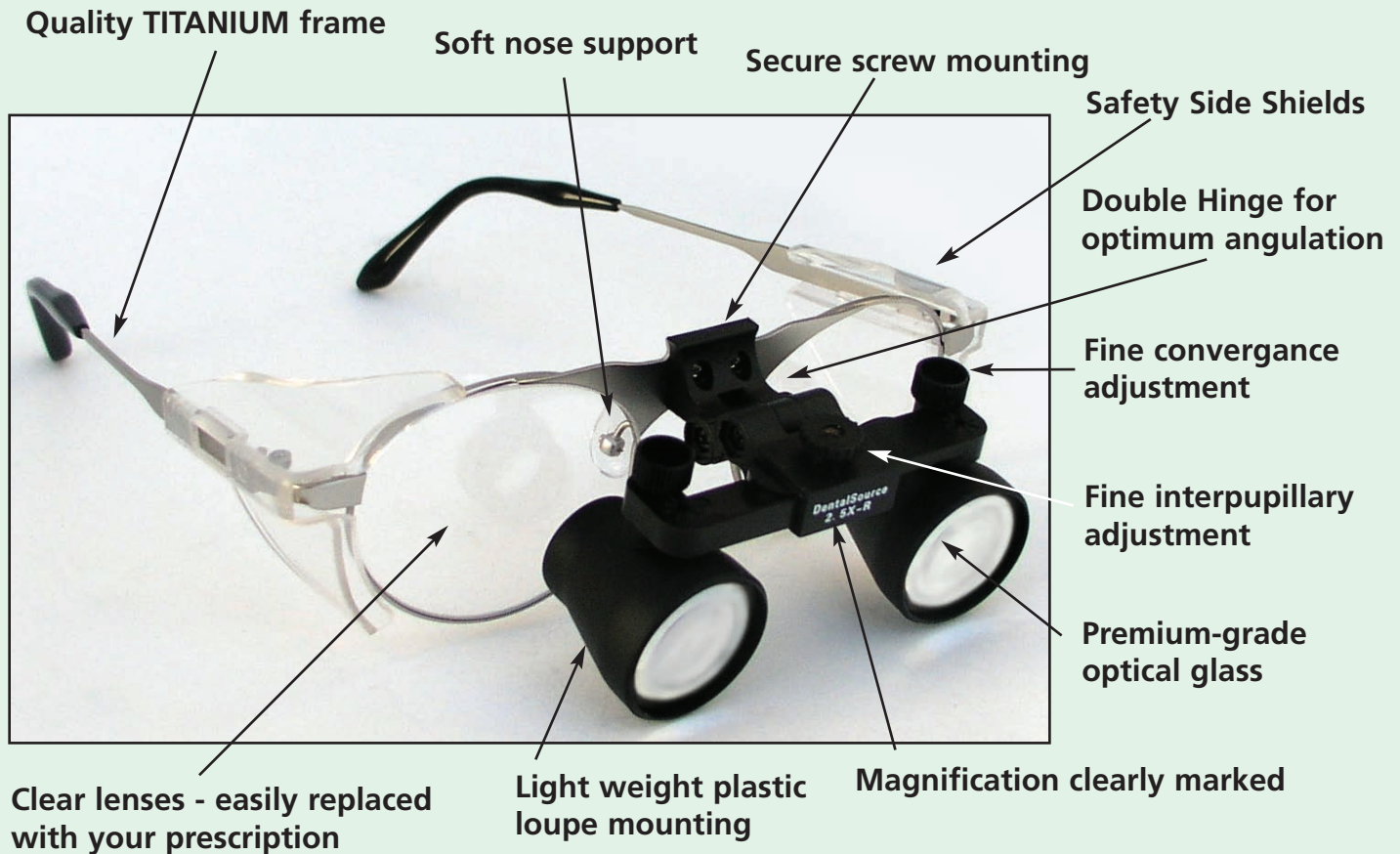
LED Wanted (circle one): Fly Weight (11 gram) Standard LED LED Band LED Cap

Frame Width (circle one): Small Medium Wide Extra Battery: Yes No

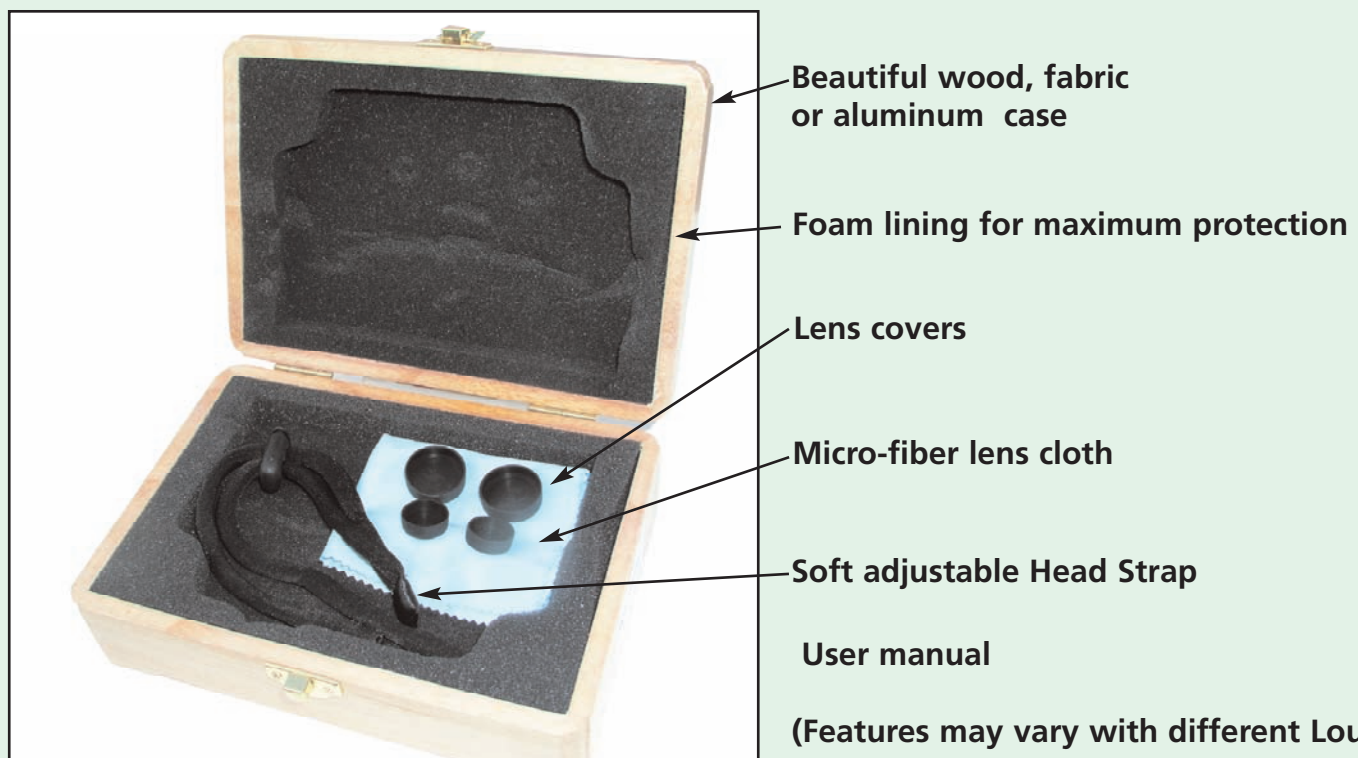
Comments: _____

Before shipping your order or charging your credit card, we will send you a
Pro Forma Invoice for your approval and confirmation.

Check Our Dental Loupe Features:



Accessories with Dental Loupes



Standard LED Light

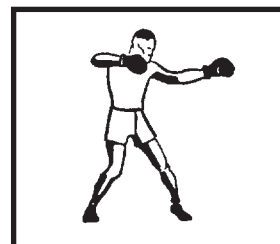
- Powerful 35 gram LED Light with 5000k Color and 40 lux intense light.
- Bright light spot will illuminate all work areas.
- Standard LED Light mounts directly on Titanium Frames, Head Band, or Head Cap and rotates vertically 90°.
- Battery has 5 hour charge.
- Battery Charger is 110 to 240 volts and will recharge battery in all countries.
- See page 7 for details on various mounting options.



GALILEO DENTAL LOUPES WITH STANDARD LED LIGHT

Fly Weight LED Light **\$389.00**

- Weighing only an amazing 11 grams, this enormously powerful LED Light produces 6000k (pure white light) and 32 lux (blazing light.)
- LED Light swivel rotates 360° and has 180° vertical adjustment.
- Battery has an adjustable reostat to produce from 0 to 32 lux.
- Battery life at full 32 lux is over 5 hours and 8 hours at lower power.
- Charger is 110 to 240 volts and will recharge battery in all countries.
- If battery loses power, one end of charger can be plugged into battery pack and the other end into wall socket to maintain full LED Light power.
- FLY WEIGHT LED Light mounts onto Interpupillary Adjustment knob.
- When you purchase any of our Dental Loupes with Fly Weight LED Light, you will receive a complete kit with all accessories and custom aluminum case.

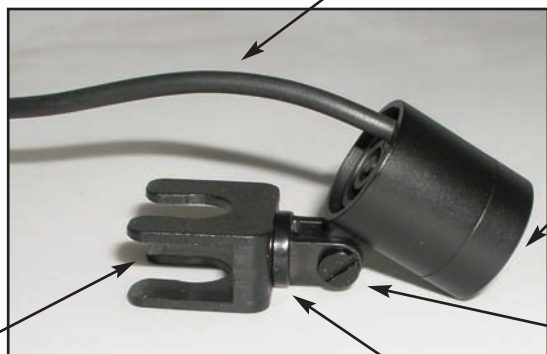


FLY WEIGHT BOXER- the most powerful boxer pound for pound.

FLY WEIGHT LED LIGHT - at 11 grams the most powerful LED Light anywhere.

Do not confuse this powerful LED Light with the weak AA battery flashlight lights sold by others!

Power Cord to Battery Pack



11 gm LED Light

180° Horizontal Adjustment

Mounting for Interpupillary Adjustment Knob

360° Swivel



LIGHT WEIGHT GALILEO DENTAL LOUPES WITH FLY WEIGHT LED



Aluminum Case for Loupes and FLY WEIGHT LED
Cat. No. 86-ALCASE **\$125.00**



Lithium-Ion Battery Pack
Cat. No. 86-H60 **\$125.00**



Aluminum Case with Loupes, Charger, FLY WEIGHT LED, Battery, and Accessories

LED Lights will completely change the way you practice dentistry!

- Light will always be where you are looking!
- You will never again need to constantly adjust the overhead light.
- The light is completely portable - to other chairs and operatories.
- High center beam lights your focus area.
- Rechargeable battery has over 5 hours of usage.
- Battery recharges in 90 minutes (smart to have a spare!)
- Our price at least 40% lower than others (factory direct!)

Standard LED Light with Frame \$389.00

- For procedures not requiring magnification loupes.
- Light weight titanium frames; battery and charger included.
- Your custom eyeglass prescription can be inserted.

Cat. No. 86-1100 LED Light Small Frame 133 mm

Cat. No. 86-1110 LED Light Medium Frame 138 mm

Cat. No. 86-1120 LED Light Large Frame 143 mm

Standard LED Light with Dental Loupes

Galileo Loupes with LED Light

- Loupes, titanium frame and LED light as one unit.
- Available magnifications of 2.5, 3.0 and 3.5
- With Battery Pack and 110-240 volt charger.
- For pricing see pages 8, 11 and 12.

Prism Loupes with LED Light

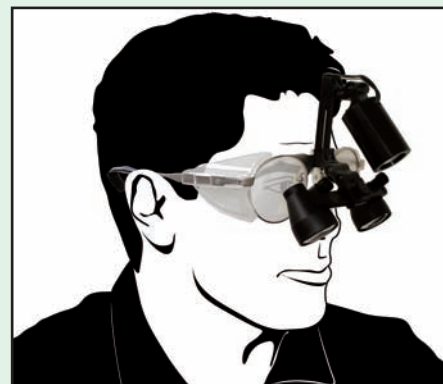
- Loupes, titanium frame and LED light as one unit.
- Available magnifications of 4.0, 5.0 and 6.0
- With Battery Pack and 110-240 volt charger.
- For pricing see pages 9, 13 and 15.

Standard LED Light with Head Band \$369.00

- Head Band eliminates the weight of LED Light on your nose.
- Also provides light for procedures not requiring magnification.
- With Battery Pack and 110-240 volt charger.
- Cat. No. 86-1200

Standard LED Light with Head Cap \$389.00

- Definitely the most comfortable way to wear the LED Light.
- Easy placement and removal without having to reset anything.
- Also provides light for procedures not requiring magnification.
- With AC 110-240 volt adaptor.
- Cat. No. 86-1300



Galileo Dental Loupes

CAT. NO.	MAGNIFICATION	WORKING DISTANCE	FRAME WIDTH
86-25350S	2.5x	350mm	Small 133mm
86-25450S	2.5x	450mm	Small 133mm
86-25550S	2.5x	550mm	Small 133mm
86-25350M	2.5x	350mm	Medium 138mm
86-25450M	2.5x	450mm	Medium 138mm
86-25550M	2.5x	550mm	Medium 138mm
86-25350L	2.5x	350mm	Large 143mm
86-25450L	2.5x	450mm	Large 143mm
86-25550L	2.5x	550mm	Large 143mm
86-30350S	3.0x	350mm	Small 133mm
86-30450S	3.0x	450mm	Small 133mm
86-30550S	3.0x	550mm	Small 133mm
86-30350M	3.0x	350mm	Medium 138mm
86-30450M	3.0x	450mm	Medium 138mm
86-30550M	3.0x	550mm	Medium 138mm
86-30350L	3.0x	350mm	Large 143mm
86-30450L	3.0x	450mm	Large 143mm
86-30550L	3.0x	550mm	Large 143mm
86-35350S	3.5x	350mm	Small 133mm
86-35450S	3.5x	450mm	Small 133mm
86-35550S	3.5x	550mm	Small 133mm
86-35350M	3.5x	350mm	Medium 138mm
86-35450M	3.5x	450mm	Medium 138mm
86-35550M	3.5x	550mm	Medium 138mm
86-35620M	3.5x	620mm	Medium 138mm
86-35350L	3.5x	350mm	Large 143mm
86-35450L	3.5x	450mm	Large 143mm
86-35550L	3.5x	550mm	Large 143mm
86-35620L	3.5x	620mm	Large 143mm

GALILEO LOUPES 2.5x - 3.0x - 3.5x ALL TITANIUM FRAME

Magnification	Price
2.5x	\$219.00
3.0x	\$259.00
3.5x	\$279.00

- Our superb quality factory-direct Dental Loupes are identical to others sold for \$495 to \$1200.
- All titanium frame at no extra cost.
- Complete kit with all accessories and custom case.



GALILEO DENTAL LOUPES

Galileo Dental Loupes with Standard LED Light

CAT. NO.	MAGNIFICATION	WORKING DISTANCE	FRAME WIDTH
86-25350S-LED	2.5x	350mm	Small 133mm
86-25450S-LED	2.5x	450mm	Small 133mm
86-25550S-LED	2.5x	550mm	Small 133mm
86-25350M-LED	2.5x	350mm	Medium 138mm
86-25450M-LED	2.5x	450mm	Medium 138mm
86-25550M-LED	2.5x	550mm	Medium 138mm
86-25350L-LED	2.5x	350mm	Large 143mm
86-25450L-LED	2.5x	450mm	Large 143mm
86-25550L-LED	2.5x	550mm	Large 143mm
86-30350S-LED	3.0x	350mm	Small 133mm
86-30450S-LED	3.0x	450mm	Small 133mm
86-30550S-LED	3.0x	550mm	Small 133mm
86-30350M-LED	3.0x	350mm	Medium 138mm
86-30450M-LED	3.0x	450mm	Medium 138mm
86-30550M-LED	3.0x	550mm	Medium 138mm
86-30350L-LED	3.0x	350mm	Large 143mm
86-30450L-LED	3.0x	450mm	Large 143mm
86-30550L-LED	3.0x	550mm	Large 143mm
86-35350S-LED	3.5x	350mm	Small 133mm
86-35450S-LED	3.5x	450mm	Small 133mm
86-35550S-LED	3.5x	550mm	Small 133mm
86-35350M-LED	3.5x	350mm	Medium 138mm
86-35450M-LED	3.5x	450mm	Medium 138mm
86-35550M-LED	3.5x	550mm	Medium 138mm
86-35620M-LED	3.5x	620mm	Medium 138mm
86-35350L-LED	3.5x	350mm	Large 143mm
86-35450L-LED	3.5x	450mm	Large 143mm
86-35550L-LED	3.5x	550mm	Large 143mm
86-35620L-LED	3.5x	620mm	Large 143mm

GALILEO LOUPES 2.5x - 3.0x - 3.5x with LED Light ALL TITANIUM FRAME

Magnification	Price
2.5x	\$579.00
3.0x	\$619.00
3.5x	\$639.00

- Our superb quality Dental Loupes with powerful LED light sold for \$895 to \$1695 by others.
- Fully adjustable light to cover your work area.
- Complete kit with battery and charger.



GALILEO DENTAL LOUPES WITH STANDARD LED LIGHT

Prism Dental Loupes

CAT. NO.	MAGNIFICATION	WORKING DISTANCE	FRAME WIDTH
86-40350S	4.0x	350mm	Small 133mm
86-40450S	4.0x	450mm	Small 133mm
86-40550S	4.0x	550mm	Small 133mm
86-40350M	4.0x	350mm	Medium 138mm
86-40450M	4.0x	450mm	Medium 138mm
86-40550M	4.0x	550mm	Medium 138mm
86-40350L	4.0x	350mm	Large 143mm
86-40450L	4.0x	450mm	Large 143mm
86-40550L	4.0x	550mm	Large 143mm
86-50350S	5.0x	350mm	Small 133mm
86-50450S	5.0x	450mm	Small 133mm
86-50550S	5.0x	550mm	Small 133mm
86-50350M	5.0x	350mm	Medium 138mm
86-50450M	5.0x	450mm	Medium 138mm
86-50550M	5.0x	550mm	Medium 138mm
86-50350L	5.0x	350mm	Large 143mm
86-50450L	5.0x	450mm	Large 143mm
86-50550L	5.0x	550mm	Large 143mm
86-60350S	6.0x	350mm	Small 133mm
86-60450S	6.0x	450mm	Small 133mm
86-60550S	6.0x	550mm	Small 133mm
86-60350M	6.0x	350mm	Medium 138mm
86-60450M	6.0x	450mm	Medium 138mm
86-60550M	6.0x	550mm	Medium 138mm
86-60350L	6.0x	350mm	Large 143mm
86-60450L	6.0x	450mm	Large 143mm
86-60550L	6.0x	550mm	Large 143mm

PRISM LOUPES 4.0x - 5.0x - 6.0x ALL TITANIUM FRAME

Magnification	Price
4.0x	\$399.00
5.0x	\$419.00
6.0x	\$439.00

- Our superb quality factory-direct Dental Loupes are identical to others sold for \$695 to \$1400.
- All titanium frame at no extra cost.
- Complete kit with all accessories and custom case.



PRISM DENTAL LOUPES

Prism Dental Loupes with Standard LED Light

CAT. NO.	MAGNIFICATION	WORKING DISTANCE	FRAME WIDTH
86-40350S-LED	4.0x	350mm	Small 133mm
86-40450S-LED	4.0x	450mm	Small 133mm
86-40550S-LED	4.0x	550mm	Small 133mm
86-40350M-LED	4.0x	350mm	Medium 138mm
86-40450M-LED	4.0x	450mm	Medium 138mm
86-40550M-LED	4.0x	550mm	Medium 138mm
86-40350L-LED	4.0x	350mm	Large 143mm
86-40450L-LED	4.0x	450mm	Large 143mm
86-40550L-LED	4.0x	550mm	Large 143mm
86-50350S-LED	5.0x	350mm	Small 133mm
86-50450S-LED	5.0x	450mm	Small 133mm
86-50550S-LED	5.0x	550mm	Small 133mm
86-50350M-LED	5.0x	350mm	Medium 138mm
86-50450M-LED	5.0x	450mm	Medium 138mm
86-50550M-LED	5.0x	550mm	Medium 138mm
86-50350L-LED	5.0x	350mm	Large 143mm
86-50450L-LED	5.0x	450mm	Large 143mm
86-50550L-LED	5.0x	550mm	Large 143mm
86-60350S-LED	6.0x	350mm	Small 133mm
86-60450S-LED	6.0x	450mm	Small 133mm
86-60550S-LED	6.0x	550mm	Small 133mm
86-60350M-LED	6.0x	350mm	Medium 138mm
86-60450M-LED	6.0x	450mm	Medium 138mm
86-60550M-LED	6.0x	550mm	Medium 138mm
86-60350L-LED	6.0x	350mm	Large 143mm
86-60450L-LED	6.0x	450mm	Large 143mm
86-60550L-LED	6.0x	550mm	Large 143mm

PRISM LOUPES 4.0x - 5.0x - 6.0x with LED Light ALL TITANIUM FRAME

Magnification	Price
4.0x	\$759.00
5.0x	\$779.00
6.0x	\$799.00

- Our superb quality Dental Loupes with powerful LED light sold for \$1095 to \$1895 by others.
- Fully adjustable light to cover your work area.
- Complete kit with battery and charger.



PRISM DENTAL LOUPES WITH STANDARD LED LIGHT

ULTRA LIGHT WEIGHT Galileo Dental Loupes

SAME QUALITY AS OUR
STANDARD GALILEO LOUPES
NOW LIGHTER WEIGHT FOR COMFORT!

Galileo Loupes - Titanium Frames

CAT. NO.	MAGNIFICATION	WORKING DISTANCE	FRAME WIDTH
UL-25340S	2.5x	340mm	Small 133mm
UL-25420S	2.5x	420mm	Small 133mm
UL-25500S	2.5x	500mm	Small 133mm
UL-25550S	2.5x	550mm	Small 133mm
UL-25340M	2.5x	340mm	Medium 138mm
UL-25420M	2.5x	420mm	Medium 138mm
UL-25500M	2.5x	500mm	Medium 138mm
UL-25550M	2.5x	550mm	Medium 138mm
UL-25340L	2.5x	340mm	Large 143mm
UL-25420L	2.5x	420mm	Large 143mm
UL-25500L	2.5x	500mm	Large 143mm
UL-25550L	2.5x	550mm	Large 143mm
UL-30340S	3.0x	340mm	Small 133mm
UL-30420S	3.0x	420mm	Small 133mm
UL-30500S	3.0x	500mm	Small 133mm
UL-30550S	3.0x	550mm	Small 133mm
UL-30340M	3.0x	340mm	Medium 138mm
UL-30420M	3.0x	420mm	Medium 138mm
UL-30500M	3.0x	500mm	Medium 138mm
UL-30550M	3.0x	550mm	Medium 138mm
UL-30340L	3.0x	340mm	Large 143mm
UL-30420L	3.0x	420mm	Large 143mm
UL-30500L	3.0x	500mm	Large 143mm
UL-30550L	3.0x	550mm	Large 143mm
UL-35340S	3.5x	340mm	Small 133mm
UL-35420S	3.5x	420mm	Small 133mm
UL-35500S	3.5x	500mm	Small 133mm
UL-35550S	3.5x	550mm	Small 133mm
UL-35340M	3.5x	340mm	Medium 138mm
UL-35420M	3.5x	420mm	Medium 138mm
UL-35500M	3.5x	500mm	Medium 138mm
UL-35550M	3.5x	550mm	Medium 138mm
UL-35340L	3.5x	340mm	Large 143mm
UL-35420L	3.5x	420mm	Large 143mm
UL-35500L	3.5x	500mm	Large 143mm
UL-35550L	3.5x	550mm	Large 143mm

ULTRA LIGHT WEIGHT GALILEO LOUPES 2.5x - 3.0x - 3.5x ALL TITANIUM FRAME

Magnification	Price
2.5x	\$239.00
3.0x	\$279.00
3.5x	\$299.00

- Loupes weigh less than standard loupes providing for long term comfort.
- Special mounting specifically designed for 11 gram FLY WEIGHT LED LIGHT.
- 340, 420, 500, or 550 mm Working Distance provides for much more accurate Working Distance than any other Dental Loupes.
- Complete kit with all accessories and custom case.



LIGHT WEIGHT GALILEO DENTAL LOUPES

COMPARISON of GALILEO versus PRISM LOUPES

Properties	Galileo Loupes For General Work 2.5x, 3.0x, 3.5x	Prism Loupes For Fine Detail Work 4.0x, 5.0x, 6.0x
Sharpness	Excellent	Excellent
Magnification	Moderate	Superb
Field Width	Wide	Narrow
Depth of Field	Large	Restricted
Weight	Minimal	Moderate
Price	Reasonable	Double
LED attachment	Easy Clip-On	Easy Clip-On

ULTRA LIGHT WEIGHT Galileo Dental Loupes with LED

Galileo Loupes - Titanium Frames
with Fly Weight LED Light

CAT. NO.	MAGNIFICATION	WORKING DISTANCE	FRAME WIDTH
UL-25340S-FW	2.5x	340mm	Small 133mm
UL-25420S-FW	2.5x	420mm	Small 133mm
UL-25500S-FW	2.5x	500mm	Small 133mm
UL-25550S-FW	2.5x	550mm	Small 133mm
UL-25340M-FW	2.5x	340mm	Medium 138mm
UL-25420M-FW	2.5x	420mm	Medium 138mm
UL-25500M-FW	2.5x	500mm	Medium 138mm
UL-25550M-FW	2.5x	550mm	Medium 138mm
UL-25340L-FW	2.5x	340mm	Large 143mm
UL-25420L-FW	2.5x	420mm	Large 143mm
UL-25500L-FW	2.5x	500mm	Large 143mm
UL-25550L-FW	2.5x	550mm	Large 143mm
UL-30340S-FW	3.0x	340mm	Small 133mm
UL-30420S-FW	3.0x	420mm	Small 133mm
UL-30500S-FW	3.0x	500mm	Small 133mm
UL-30550S-FW	3.0x	550mm	Small 133mm
UL-30340M-FW	3.0x	340mm	Medium 138mm
UL-30420M-FW	3.0x	420mm	Medium 138mm
UL-30500M-FW	3.0x	500mm	Medium 138mm
UL-30550M-FW	3.0x	550mm	Medium 138mm
UL-30340L-FW	3.0x	340mm	Large 143mm
UL-30420L-FW	3.0x	420mm	Large 143mm
UL-30500L-FW	3.0x	500mm	Large 143mm
UL-30550L-FW	3.0x	550mm	Large 143mm
UL-35340S-FW	3.5x	340mm	Small 133mm
UL-35420S-FW	3.5x	420mm	Small 133mm
UL-35500S-FW	3.5x	500mm	Small 133mm
UL-35550S-FW	3.5x	550mm	Small 133mm
UL-35340M-FW	3.5x	340mm	Medium 138mm
UL-35420M-FW	3.5x	420mm	Medium 138mm
UL-35500M-FW	3.5x	500mm	Medium 138mm
UL-35550M-FW	3.5x	550mm	Medium 138mm
UL-35340L-FW	3.5x	340mm	Large 143mm
UL-35420L-FW	3.5x	420mm	Large 143mm
UL-35500L-FW	3.5x	500mm	Large 143mm
UL-35550L-FW	3.5x	550mm	Large 143mm

SAME QUALITY AS OUR
STANDARD GALILEO LOUPES
NOW LIGHTER WEIGHT FOR COMFORT!

ULTRA LIGHT WEIGHT GALILEO LOUPES 2.5x - 3.0x - 3.5x ALL TITANIUM FRAME with FLY WEIGHT LED

Magnification	Price
2.5x	\$618.00
3.0x	\$658.00
3.5x	\$678.00

- Ultra Light Weight Loupes weigh less than standard loupes providing for long term comfort.
- Special mounting specifically designed for 11 gram FLY WEIGHT LED LIGHT.
- 340, 420, 500, or 550 mm Working Distance provides much more accurate Working Distance than any other Dental Loupes.
- Complete kit with all accessories and custom case.



LIGHT WEIGHT GALILEO DENTAL LOUPES WITH FLY WEIGHT LED

**PURCHASE
LIGHT GALILEO
LOUPES AND
FLY WEIGHT
LED AND
RECEIVE THIS
\$125.00 CASE
FREE**



German Style Extra Light Weight Galileo Dental Loupes

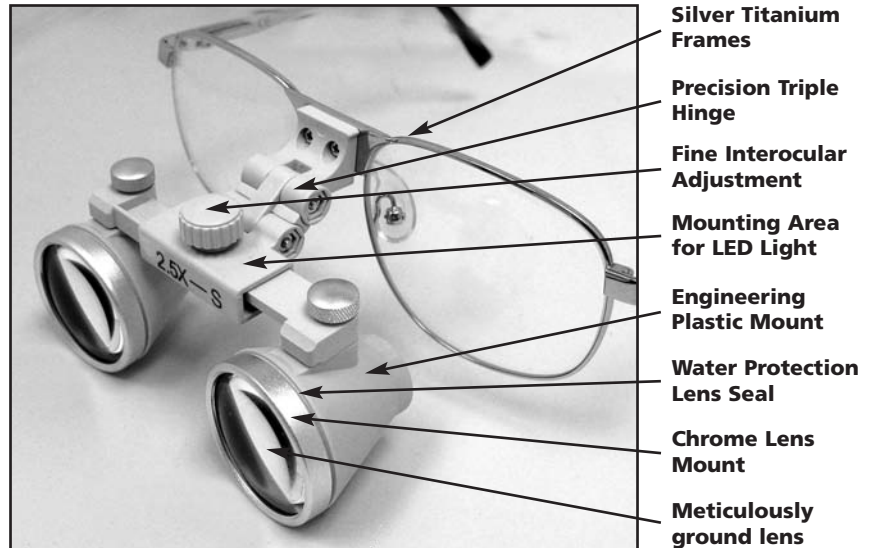
- Virtually unbreakable engineering white plastic lens housing replaces heavier black metal.
- Chrome lens mount for protection.
- "Water Protected" - lens housing can be wiped with damp (not wet!) disinfectant towel.
- Elegant Silver Titanium Frames.
- Special mounting specifically designed for 10 gram LED LIGHT.
- 340, 420, 500, or 550 mm Working Distance provides for much more accurate Working Distance than any other Dental Loupes.
- Complete kit with all accessories and custom case.

WE HAVE COPIED THE FINEST
GERMAN STYLE GALILEO LOUPES
EXTRA LIGHT WEIGHT FOR COMFORT
AND **1/5** THEIR PRICE!

German Style Galileo Loupes - Titanium Frames

CAT. NO.	MAGNIFICATION	WORKING DISTANCE	FRAME WIDTH
GS-25340S	2.5x	340mm	Small 133mm
GS-25420S	2.5x	420mm	Small 133mm
GS-25500S	2.5x	500mm	Small 133mm
GS-25550S	2.5x	550mm	Small 133mm
GS-25340M	2.5x	340mm	Medium 138mm
GS-25420M	2.5x	420mm	Medium 138mm
GS-25500M	2.5x	500mm	Medium 138mm
GS-25550M	2.5x	550mm	Medium 138mm
GS-25340L	2.5x	340mm	Large 143mm
GS-25420L	2.5x	420mm	Large 143mm
GS-25500L	2.5x	500mm	Large 143mm
GS-25550L	2.5x	550mm	Large 143mm
GS-30340S	3.0x	340mm	Small 133mm
GS-30420S	3.0x	420mm	Small 133mm
GS-30500S	3.0x	500mm	Small 133mm
GS-30550S	3.0x	550mm	Small 133mm
GS-30340M	3.0x	340mm	Medium 138mm
GS-30420M	3.0x	420mm	Medium 138mm
GS-30500M	3.0x	500mm	Medium 138mm
GS-30550M	3.0x	550mm	Medium 138mm
GS-30340L	3.0x	340mm	Large 143mm
GS-30420L	3.0x	420mm	Large 143mm
GS-30500L	3.0x	500mm	Large 143mm
GS-30550L	3.0x	550mm	Large 143mm
GS-35340S	3.5x	340mm	Small 133mm
GS-35420S	3.5x	420mm	Small 133mm
GS-35500S	3.5x	500mm	Small 133mm
GS-35550S	3.5x	550mm	Small 133mm
GS-35340M	3.5x	340mm	Medium 138mm
GS-35420M	3.5x	420mm	Medium 138mm
GS-35500M	3.5x	500mm	Medium 138mm
GS-35550M	3.5x	550mm	Medium 138mm
GS-35340L	3.5x	340mm	Large 143mm
GS-35420L	3.5x	420mm	Large 143mm
GS-35500L	3.5x	500mm	Large 143mm
GS-35550L	3.5x	550mm	Large 143mm

Features of German Style Loupes:



GERMAN STYLE LIGHT WEIGHT GALILEO LOUPES 2.5x - 3.0x - 3.5x ALL SILVER TITANIUM FRAME

Magnification	Price
2.5x	\$259.00
3.0x	\$299.00
3.5x	\$319.00



Titanium Frames
available in Gold,
Silver or Black



GERMAN STYLE EXTRA LIGHT WEIGHT GALILEO DENTAL LOUPES

German Style Extra Light Weight Galileo Dental Loupes with LED

- Virtually unbreakable engineering white plastic lens housing replaces heavier black metal.
- Chrome lens mount for protection.
- "Water Protected" - lens housing can be wiped with damp (not wet!) disinfectant towel.
- Elegant Silver Titanium Frames.
- Spectacular 10 gram LED LIGHT with rechargeable battery pack.
- 340, 420, 500, or 550 mm Working Distance provides for much more accurate Working Distance than any other Dental Loupes.
- Complete kit with all accessories and custom case.

GERMAN STYLE GALILEO LOUPES
EXTRA LIGHT WEIGHT FOR COMFORT
WITH 10 GRAM LED LIGHT



LIGHT WEIGHT GALILEO DENTAL LOUPES WITH FLY WEIGHT LED

German Style Galileo Loupes - Titanium Frames
with 10 gram LED Light

CAT. NO.	MAGNIFICATION	WORKING DISTANCE	FRAME WIDTH
GS-25340S-XW	2.5x	340mm	Small 133mm
GS-25420S-XW	2.5x	420mm	Small 133mm
GS-25500S-XW	2.5x	500mm	Small 133mm
GS-25550S-XW	2.5x	550mm	Small 133mm
GS-25340M-XW	2.5x	340mm	Medium 138mm
GS-25420M-XW	2.5x	420mm	Medium 138mm
GS-25500M-XW	2.5x	500mm	Medium 138mm
GS-25550M-XW	2.5x	550mm	Medium 138mm
GS-25340L-XW	2.5x	340mm	Large 143mm
GS-25420L-XW	2.5x	420mm	Large 143mm
GS-25500L-XW	2.5x	500mm	Large 143mm
GS-25550L-XW	2.5x	550mm	Large 143mm
GS-30340S-XW	3.0x	340mm	Small 133mm
GS-30420S-XW	3.0x	420mm	Small 133mm
GS-30500S-XW	3.0x	500mm	Small 133mm
GS-30550S-XW	3.0x	550mm	Small 133mm
GS-30340M-XW	3.0x	340mm	Medium 138mm
GS-30420M-XW	3.0x	420mm	Medium 138mm
GS-30500M-XW	3.0x	500mm	Medium 138mm
GS-30550M-XW	3.0x	550mm	Medium 138mm
GS-30340L-XW	3.0x	340mm	Large 143mm
GS-30420L-XW	3.0x	420mm	Large 143mm
GS-30500L-XW	3.0x	500mm	Large 143mm
GS-30550L-XW	3.0x	550mm	Large 143mm
GS-35340S-XW	3.5x	340mm	Small 133mm
GS-35420S-XW	3.5x	420mm	Small 133mm
GS-35500S-XW	3.5x	500mm	Small 133mm
GS-35550S-XW	3.5x	550mm	Small 133mm
GS-35340M-XW	3.5x	340mm	Medium 138mm
GS-35420M-XW	3.5x	420mm	Medium 138mm
GS-35500M-XW	3.5x	500mm	Medium 138mm
GS-35550M-XW	3.5x	550mm	Medium 138mm
GS-35340L-XW	3.5x	340mm	Large 143mm
GS-35420L-XW	3.5x	420mm	Large 143mm
GS-35500L-XW	3.5x	500mm	Large 143mm
GS-35550L-XW	3.5x	550mm	Large 143mm



Titanium Frames
available in Gold,
Silver or Black

**GERMAN STYLE LIGHT WEIGHT
GALILEO LOUPES
2.5x - 3.0x - 3.5x
ALL SILVER TITANIUM FRAME
WITH 10 GRAM LED LIGHT**

Magnification	Price
2.5x	\$638.00
3.0x	\$678.00
3.5x	\$698.00

**PURCHASE
GERMAN STYLE
LOUPES AND
FLY WEIGHT
LED AND
RECEIVE THIS
\$125.00 CASE
FREE**



Galileo Clip-On Dental Loupes

USE YOUR CORRECTIVE LENSES WITH THE FINEST DENTAL LOUPES!

- Clip-On Loupes Convert your prescription glasses to custom Dental Loupes in seconds.
- Clip-On Frame has mounting for FLY LIGHT LED LIGHT.
- Complete kit with all accessories and custom case.

Galileo Loupes - with Clip-On Frames

CAT. NO.	MAGNIFICATION	WORKING DISTANCE	FRAME
UL-25340C	2.5x	340mm	Clip On
UL-25420C	2.5x	420mm	Clip On
UL-25500C	2.5x	500mm	Clip On
UL-25550C	2.5x	550mm	Clip On
UL-30340C	3.0x	340mm	Clip On
UL-30420C	3.0x	420mm	Clip On
UL-30500C	3.0x	500mm	Clip On
UL-30550C	3.0x	550mm	Clip On
UL-35340C	3.5x	340mm	Clip On
UL-35420C	3.5x	420mm	Clip On
UL-35500C	3.5x	500mm	Clip On
UL-35550C	3.5x	550mm	Clip On



Doctor's Prescription Progressive Glasses with Gold Titanium Frame

+

Clip-On Galileo Dental Loupes

=

Doctor's Prescription Progressive Glasses with Gold Titanium Frame instantly converted to custom Loupes by attaching Clip-On Dental Loupes

GALILEO LOUPES 2.5x - 3.0x - 3.5x CLIP-ON FRAME

Magnification	Price
2.5x	\$219.00
3.0x	\$259.00
3.5x	\$279.00



Galileo Clip-On Dental Loupes with Fly Weight LED

USE YOUR CORRECTIVE LENSES WITH THE FINEST DENTAL LOUPES plus LED!

- Clip-On Loupes convert your prescription glasses to custom Dental Loupes in seconds.
- FLY LIGHT LED LIGHT mounts onto Interpupillary Adjustment knob.
- Complete kit with all accessories and custom aluminum case.



GALILEO CLIP-ON DENTAL LOUPES WITH FLY WEIGHT LED

GALILEO LOUPES 2.5x - 3.0x - 3.5x CLIP-ON FRAME FLY WEIGHT LED

Magnification	Price
2.5x	\$598.00
3.0x	\$638.00
3.5x	\$658.00

Galileo Loupes - Clip-On Frames with Fly Weight LED Light

CAT. NO.	MAGNIFICATION	WORKING DISTANCE	FRAME
UL-25340C-FW	2.5x	340mm	Clip On
UL-25420C-FW	2.5x	420mm	Clip On
UL-25500C-FW	2.5x	500mm	Clip On
UL-25550C-FW	2.5x	550mm	Clip On
UL-30340C-FW	3.0x	340mm	Clip On
UL-30420C-FW	3.0x	420mm	Clip On
UL-30500C-FW	3.0x	500mm	Clip On
UL-30550C-FW	3.0x	550mm	Clip On
UL-35340C-FW	3.5x	340mm	Clip On
UL-35420C-FW	3.5x	420mm	Clip On
UL-35500C-FW	3.5x	500mm	Clip On
UL-35550C-FW	3.5x	550mm	Clip On

**PURCHASE
CLIP-ON
LOUPES AND
FLY WEIGHT
LED AND
RECEIVE THIS
\$125.00 CASE
FREE**



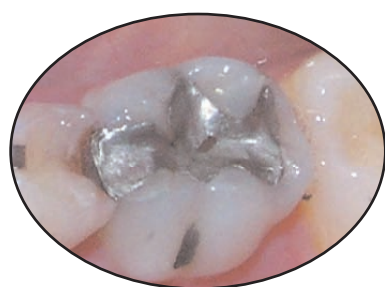
WIDE FIELD OF VIEW 4.0x Prism Dental Loupes

WIDE FIELD OF VIEW

4.0x Prism Loupes Titanium Frames

CAT. NO.	MAGNIFICATION	WORKING DISTANCE	FRAME WIDTH
UL-40340SW	4.0x	340mm	Small 133mm
UL-40420SW	4.0x	420mm	Small 133mm
UL-40500SW	4.0x	500mm	Small 133mm
UL-40550SW	4.0x	550mm	Small 133mm
UL-40340MW	4.0x	340mm	Medium 138mm
UL-40420MW	4.0x	420mm	Medium 138mm
UL-40500MW	4.0x	500mm	Medium 138mm
UL-40550MW	4.0x	550mm	Medium 138mm
UL-40340LW	4.0x	340mm	Large 143mm
UL-40420LW	4.0x	420mm	Large 143mm
UL-40500LW	4.0x	500mm	Large 143mm
UL-40550LW	4.0x	550mm	Large 143mm

Now you can have 4.0x superb magnification and also the same Field Of View as 3.0x Loupe!



50 mm Field of View with Standard 4.0x magnification



60 mm Field of View with WIDE FIELD 4.0x magnification



WIDE FIELD OF VIEW 4.0xW PRISM LOUPES

WIDE FIELD OF VIEW 4.0x Prism Dental Loupes with Fly Weight LED



WIDE FIELD OF VIEW 4.0xW PRISM LOUPES with LED

WIDE FIELD OF VIEW

4.0x Prism Loupes Titanium Frames with Fly Weight LED Light

CAT. NO.	MAGNIFICATION	WORKING DISTANCE	FRAME WIDTH
UL-40340SW-FW	4.0x	340mm	Small 133mm
UL-40420SW-FW	4.0x	420mm	Small 133mm
UL-40500SW-FW	4.0x	500mm	Small 133mm
UL-40550SW-FW	4.0x	550mm	Small 133mm
UL-40340MW-FW	4.0x	340mm	Medium 138mm
UL-40420MW-FW	4.0x	420mm	Medium 138mm
UL-40500MW-FW	4.0x	500mm	Medium 138mm
UL-40550MW-FW	4.0x	550mm	Medium 138mm
UL-40340LW-FW	4.0x	340mm	Large 143mm
UL-40420LW-FW	4.0x	420mm	Large 143mm
UL-40500LW-FW	4.0x	500mm	Large 143mm
UL-40550LW-FW	4.0x	550mm	Large 143mm

WIDE FIELD OF VIEW PRISM LOUPES

4.0xW

FLY WEIGHT LED

Magnification	Price
4.0xW	\$828.00

- Now you can have WIDE FIELD of VIEW with the sharpness of 4.0x magnification.
- FLY WEIGHT LED attaches to Interocclusal adjustment knob.
- Complete kit with all accessories and custom aluminum case.

**PURCHASE
WIDE FIELD
LOUPES AND
FLY WEIGHT
LED AND
RECEIVE THIS
\$125.00 CASE
FREE**



Ultra Light Weight Prism Dental Loupes

SAME QUALITY AS OUR
STANDARD PRISM LOUPES
NOW LIGHTER WEIGHT FOR COMFORT!

LIGHT WEIGHT Prism Loupes titanium frames

CAT. NO.	MAGNIFICATION	WORKING DISTANCE	FRAME WIDTH
UL-40340S	4.0x	340mm	Small 133mm
UL-40420S	4.0x	420mm	Small 133mm
UL-40500S	4.0x	500mm	Small 133mm
UL-40550S	4.0x	550mm	Small 133mm
UL-40340M	4.0x	340mm	Medium 138mm
UL-40420M	4.0x	420mm	Medium 138mm
UL-40500M	4.0x	500mm	Medium 138mm
UL-40550M	4.0x	550mm	Medium 138mm
UL-40340L	4.0x	340mm	Large 143mm
UL-40420L	4.0x	420mm	Large 143mm
UL-40500L	4.0x	500mm	Large 143mm
UL-40550L	4.0x	550mm	Large 143mm
UL-50340S	5.0x	340mm	Small 133mm
UL-50420S	5.0x	420mm	Small 133mm
UL-50500S	5.0x	500mm	Small 133mm
UL-50550S	5.0x	550mm	Small 133mm
UL-50340M	5.0x	340mm	Medium 138mm
UL-50420M	5.0x	420mm	Medium 138mm
UL-50500M	5.0x	500mm	Medium 138mm
UL-50550M	5.0x	550mm	Medium 138mm
UL-50340L	5.0x	340mm	Large 143mm
UL-50420L	5.0x	420mm	Large 143mm
UL-50500L	5.0x	500mm	Large 143mm
UL-50550L	5.0x	550mm	Large 143mm
UL-60340S	6.0x	340mm	Small 133mm
UL-60420S	6.0x	420mm	Small 133mm
UL-60500S	6.0x	500mm	Small 133mm
UL-60550S	6.0x	550mm	Small 133mm
UL-60340M	6.0x	340mm	Medium 138mm
UL-60420M	6.0x	420mm	Medium 138mm
UL-60500M	6.0x	500mm	Medium 138mm
UL-60550M	6.0x	550mm	Medium 138mm
UL-60340L	6.0x	340mm	Large 143mm
UL-60420L	6.0x	420mm	Large 143mm
UL-60500L	6.0x	500mm	Large 143mm
UL-60550L	6.0x	550mm	Large 143mm

ULTRA LIGHT WEIGHT PRISM LOUPES 4.0x - 5.0x - 6.0x ALL TITANIUM FRAME

Magnification	Price
4.0x	\$419.00
5.0x	\$439.00
6.0x	\$459.00

- Ultra Light Weight Loupes weigh less than standard loupes providing for long term comfort.
- Special mounting specifically designed for 11 gram FLY WEIGHT LED LIGHT.
- 340,420,500, or 550 mm Working Distance provides much more accurate Working Distance than any other Dental Loupes.
- Complete kit with all accessories and custom case.

COMPARISON of GALILEO versus PRISM LOUPES

Properties	Galileo Loupes For General Work 2.5x, 3.0x, 3.5x	Prism Loupes For Fine Detail Work 4.0x, 5.0x, 6.0x
Sharpness	Excellent	Excellent
Magnification	Moderate	Superb
Field Width	Wide	Narrow
Depth of Field	Large	Restricted
Weight	Minimal	Moderate
Price	Reasonable	Double
LED attachment	Easy Clip-On	Easy Clip-On



LIGHT WEIGHT PRISM LOUPES 6.0X

Ultra Light Weight Prism Dental Loupes with Fly Weight LED

SAME QUALITY AS OUR
STANDARD PRISM LOUPES
NOW LIGHTER WEIGHT FOR COMFORT!

LIGHT WEIGHT Prism Loupes titanium frames
with Fly Weight LED Light

CAT. NO.	MAGNIFICATION	WORKING DISTANCE	FRAME WIDTH
UL-40340S-FW	4.0x	340mm	Small 133mm
UL-40420S-FW	4.0x	420mm	Small 133mm
UL-40500S-FW	4.0x	500mm	Small 133mm
UL-40550S-FW	4.0x	550mm	Small 133mm
UL-40340M-FW	4.0x	340mm	Medium 138mm
UL-40420M-FW	4.0x	420mm	Medium 138mm
UL-40500M-FW	4.0x	500mm	Medium 138mm
UL-40550M-FW	4.0x	550mm	Medium 138mm
UL-40340L-FW	4.0x	340mm	Large 143mm
UL-40420L-FW	4.0x	420mm	Large 143mm
UL-40500L-FW	4.0x	500mm	Large 143mm
UL-40550L-FW	4.0x	550mm	Large 143mm
UL-50340S-FW	5.0x	340mm	Small 133mm
UL-50420S-FW	5.0x	420mm	Small 133mm
UL-50500S-FW	5.0x	500mm	Small 133mm
UL-50550S-FW	5.0x	550mm	Small 133mm
UL-50340M-FW	5.0x	340mm	Medium 138mm
UL-50420M-FW	5.0x	420mm	Medium 138mm
UL-50500M-FW	5.0x	500mm	Medium 138mm
UL-50550M-FW	5.0x	550mm	Medium 138mm
UL-50340L-FW	5.0x	340mm	Large 143mm
UL-50420L-FW	5.0x	420mm	Large 143mm
UL-50500L-FW	5.0x	500mm	Large 143mm
UL-50550L-FW	5.0x	550mm	Large 143mm
UL-60340S-FW	6.0x	340mm	Small 133mm
UL-60420S-FW	6.0x	420mm	Small 133mm
UL-60500S-FW	6.0x	500mm	Small 133mm
UL-60550S-FW	6.0x	550mm	Small 133mm
UL-60340M-FW	6.0x	340mm	Medium 138mm
UL-60420M-FW	6.0x	420mm	Medium 138mm
UL-60500M-FW	6.0x	500mm	Medium 138mm
UL-60550M-FW	6.0x	550mm	Medium 138mm
UL-60340L-FW	6.0x	340mm	Large 143mm
UL-60420L-FW	6.0x	420mm	Large 143mm
UL-60500L-FW	6.0x	500mm	Large 143mm
UL-60550L-FW	6.0x	550mm	Large 143mm



LIGHT WEIGHT PRISM LOUPES WITH FLY WEIGHT LED LIGHT

**ULTRA LIGHT WEIGHT
PRISM LOUPES
4.0x - 5.0x - 6.0x
ALL TITANIUM FRAME
with FLY WEIGHT LED**

Magnification	Price
4.0x	\$798.00
5.0x	\$818.00
6.0x	\$838.00

- Ultra Light Weight Loupes weigh less than standard loupes providing for long term comfort.
- 11 gram FLY WEIGHT LED LIGHT munts on the Interpupillary Adjustment knob.
- 340,420,500,or 550 mm Working Distance provides much more accurate Working Distance than any other Dental Loupes.
- Complete kit with all accessories and custom case.

**PURCHASE
LIGHT PRISM
LOUPES AND
FLY WEIGHT
LED AND
RECEIVE THIS
\$125.00 CASE
FREE**



Dental Loupes - See well, work well, feel well!

A complete course in dental loupes so that you can select the best for yourself (and thereby eliminate the very expensive salesman!)

Advantages of magnification

There are many advantages for using loupes such as better visual acuity, greater motor control, improved diagnostic outcomes, and just better treatment. Seeing at higher magnification, especially with the addition of bright light from a headband LED or eyeglass frame LED, allows you to produce better work. Perhaps the most important benefits relate to dentist comfort resulting in decreased neck, back, and shoulder problems, decreased time leaning forward, decreased eye fatigue and better vision.

Choosing loupes is not complicated. There are several parameters that need to be considered and evaluated including power or magnification, working distance, field of view, and depth of field.

Types of loupes

Dental loupes in 2.5X, 3.0X, and 3.5X magnifications use the Galileo multi-lens optics, usually employing 2 groups of lenses. Dental loupes in the 4.0X, 5.0X and 6.0X magnifications use the larger Prism multi-lens optics usually employing at least 3 groups of lenses.

Magnification

Magnification describes the increase in image size. It is important to remember that as magnification increases, the field of view and depth of focus decrease. Magnification of 2.5X views a quadrant, 3.0X views several teeth, and 3.5X views only 1 or 2 teeth. If these will be your first loupes, we recommend starting with 2.5X which will provide the best field of view, depth of focus, and will be easiest to become accustomed to. When you are ready to move up to 3.5X, give your old 2.5X loupes to your dental assistant and watch the quality and interest in her work shoot up! Higher magnifications of 4.0X and 5.0X are terrific for preparations, margins and inspecting impressions. Magnification of 6.0X is excellent for locating accessory canals.

Working distance

Working distance is the distance from the eye to the object when the object is viewed in focus. Generally this distance is in the middle of the depth of focus. The aspect should be carefully considered prior to selecting loupes. The desired distance will depend on the practitioner's height, arm length and seating preferences. Most dentists prefer a working distance of about 350 mm (14 inches.)

Tall dentists and those preferring to work a bit farther away choose a working distance of 450 mm (18 inches.) Very tall dentists may prefer a longer working distance of 550 mm (22 inches.) Only 3.5x loupes are available with an extra-long working distance of 620 mm (25 inches.)

Depth of Focus

Depth of focus is the difference between the far and in-focus limits of the working distance. As a general rule, as magnification increases, the depth of focus decreases.

Declination Angle

The working posture is directly related to the line of sight and declination angle. The shallower the angle, the greater the need to tilt the neck to view the object being worked on. The ability to adjust the working angle will permit comfortable viewing during intraoral procedures and as the day wears on. Through-The-Lens loupes lock you into a fixed Declination Angle; Flip-Up loupes allow you to adjust this angle as you tire during a long work day.

Prescriptions

In order to maximize optical performance (working distance, depth of field, field of view), prescription lenses can be fitted to the eyeglass frames for all loupes.

Flip-Up or Through-The-Lens (TTL) systems?

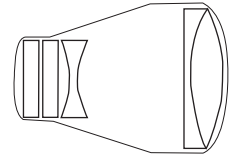
Two mounting systems are available in today's Galileo loupes: **Flip-up style** loupes allow the dentist to adjust their own **convergence angle**, **declination angle** and **intrapupillary distance** settings. In addition, Flip-up loupes allow the practitioner to flip the optics out of the way without removing them. Fixed lens, or through-the-lens systems (TTL) require custom fitting of the optics permanently to the eyeglass lenses.

The ability to place the magnifier out of the way for certain procedures (such as taking impressions) is desirable in dentistry. In addition, having flip-up capability allows activities such as writing and conversing with the patient without excessive head tilting required with the through-the-lens systems. In addition, prescriptions can be changed easily in flip-up style, whereas through-the-lens systems require the loupes to be returned to the manufacturer for refitting of prescription lenses.

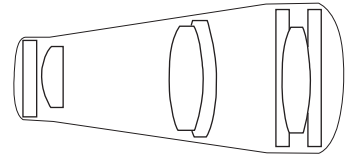
Summary

As the magnification power increases, the field of view and depth of focus decreases. Higher magnification systems (4X to 6X) are heavier, more expensive and require more light than lower power loupes (2.5X, 3.0X and 3.5X.) When choosing loupes, determine your ideal working distance. Most dentists start with 2.5X power loupes with a working distance of about 350 mm or 450 mm. Flip-up style loupes can be adjusted individually by each user for declination angle, interpupillary distance and convergence angle, while through-the-lens loupes need to be custom fitted. Flip-up loupes have the enormous advantage of being able to be flipped up out of the way for less detailed procedures and talking directly to your patient.

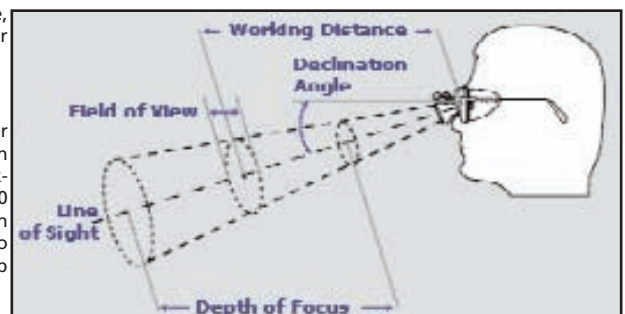
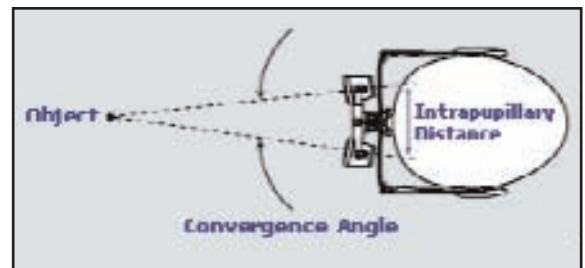
Galileo loupes usually employ two groups of lenses.



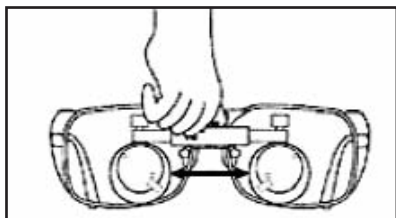
Prism loupes usually employ three groups of lenses.



Working Distance: measure from the bridge of your nose between your pupils to the mouth of the patient.

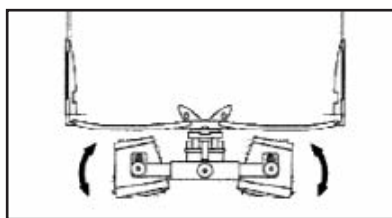


Flip-Up Loupes Are Adjustable in the 3 Planes of Space



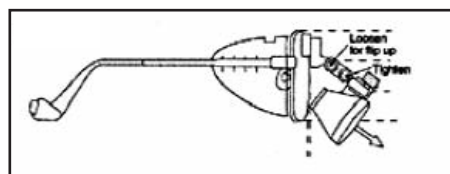
Interpupillary Adjustment

This adjustment is controlled by turning the interpupillary adjustment knob back and forth. The two oculars are set as far apart as possible and the single knob rotated until the image converges into a circle.



Fine Convergence Adjustment

If the Interpupillary Adjustment does not produce a concentric circle or a double image, then rotate the lenses to produce the fine convergence.



Angle Hinge Adjustment - DOUBLE HINGE

Position the lenses as close as possible to the glass of the frames in order to produce the largest field and magnification. Adjust the hinge mechanism so that the optics are angled approximately 30 to 45 degrees below the horizontal line. This will allow you to look down into the optics while working and also keep an upright position. Our DOUBLE HINGE provides an enormous range of adjustments over the single hinge of other loupes.

Magnification

We suggest the following magnifications:

2.5X for all first time loupe users. You have a great many things to adjust to - reduced field size, reduced focal distance, magnification, and working with an LED Light. These loupes will be your forever favorites for prophylaxis procedures.

3.0X and 3.5X for preparing margins, routine restorative dentistry, fine oral surgery procedures, and suturing. You may want higher magnification for some procedures.

4.0X and 5.0X for checking prepared margins on teeth and impression margins as well as for finishing margins on restorations.

6.0X for looking for endodontic accessory canals.

Field Size versus Magnification

As Magnification increases, Field Size (the area that you see) decreases. The following six photos demonstrate this issue.



2.5X



3.0X



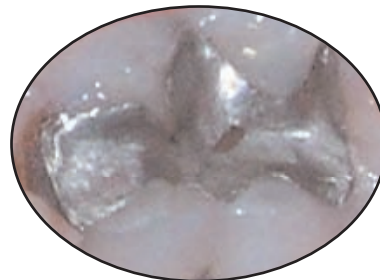
3.5X



4.0X



5.0X



6.0X

Frame Width

Our extra-light weight Titanium Frames come in 3 widths: (1) Small 133 mm; (2) Medium 138 mm; and (3) Large 143 mm. We suggest Small if you are 5'4" or shorter; Medium for 5'5" to 6'4"; and Large for taller individuals.

Large 143 mm
Medium 138 mm
Small 133 mm



Warranty

All loupes, batteries, electronic products, frames, clips, headbands, and headcaps have limited warranties for a period of 3 months from the date of the original purchase in the United States. OrthoSource will repair or replace the product or part found after inspection by OrthoSource to be defective per our RGA policy. This warranty applies to the original purchaser only and is not transferable. Damage to electronic parts from electric surge or electrostatic shocks are not covered.

This warranty is not valid in cases where the product has been abused or mishandled, or where unauthorized repairs have been attempted or performed, or where the depreciation of the product is due to normal wear-and-tear. OrthoSource specifically disclaims special, indirect, or consequential damages or lost profits which may result from a breach of this warranty. No further implied warranties should be assumed.

Returned Goods Authorization (RGA) Number

Before the return of any product or part, a Return Goods Authorization Number must be obtained by e-mail at orthosource@aol.com or by calling our office. The return must be sent to OrthoSource insured and with freight prepaid including a written statement detailing the nature of the alleged defect, owner's name, address, phone number and a copy of the original invoice.

Liability Disclaimer

By completing the purchase of dental loupes, LED lights and supplies, the buyer agrees: (1) Not to use the product in life threatening or any other critical situations; and (2) OrthoSource shall not be liable for any loss, damage or expenses (whether direct, indirect, consequential or otherwise) suffered or incurred by the Purchaser arising out of the delivery, installation, sale, use or maintenance of the Goods and/or provision of the Service. All terms and conditions are subject to change without notice.

Return Policy

Items can be returned within 14 days from receiving them. Returned items must be in the same new condition as received; usage voids this policy. OrthoSource will refund the purchase price less Shipping and Handling and in addition will charge a 20% Restocking Fee since items must be rechecked to ensure brand new condition and precise alignment. A RGA Number is always required for all returns.

Exchange Policy

Items may be exchanged within 14 days from receiving them after approval in writing by OrthoSource. Exchanged items must be in the same new condition as received; usage voids this policy. Depending on cause, an additional charge may be added. A new Shipping Fee and \$20.00 Handling Fee will be charged since items must be rechecked to ensure brand new condition and precise alignment. A RGA Number is always required for all exchanges. OrthoSource's decision for exchange approval and additional fees is final.