

*Miltex*<sup>®</sup>  
Redefining Excellence



LOUPES AND LED LIGHT

# MILTEX® LOUPES

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FOR THE  
SURGEON  
ANIMAL HEALTH CLINICIAN  
DENTIST  
DENTAL HYGIENIST



## MILTEX® OPTICS FEATURES AND BENEFITS

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Miltex® optics are quickly and easily locked into your personal setting utilizing a unique locking knob. Our optics permit you to set your interpupillary distance, convergence and declination angle for perfect alignment. You get a custom fit even without individual measurement!

### FEATURES

*Locking Knob Adjustment*  
*Dual Hinge Design*  
*Locking Interpupillary Knob*  
*Double locking convergence angle*

### BENEFITS

*Optics are quickly and easily locked into place*  
*Allows for easy flip up of optics*  
*Allows for secure adjustments of your settings*  
*Provides stable alignment of optics*

# THE MILTEX® LED LOUPES LIGHT AFFIXES EASILY TO YOUR MILTEX® LOUPES!



## ASSEMBLY IS EASY!



1. Pull off flip up paddle located on the locking knob.



2. Light will mount onto the loupes as the paddle does; simply push the grooved portion in between the locking knob.



3. Clip battery pack onto your belt.



4. Turn on and use!

# CHOOSING THE RIGHT LOUPES

## FOLLOW THESE 2 STEPS FOR A PERFECT MATCH.

### STEP 1: CHOOSE YOUR MAGNIFICATION.

If you are a new loupes user, start with the lowest power you need. Most professionals begin using loupes with a magnification power of 2.5X. Remember, as the magnification increases, the field of view, focal range and light transmission decreases.

### STEP 2: CHOOSE YOUR WORKING DISTANCE.

All loupes are pre-set to focus at a certain distance and objects will remain in focus within a range of several inches. Miltex® loupes are available in 4 working distances: Short (10-13"), Regular (12-16"), Long (14-18") and Extra Long (16-20").

**The 250 Series (2.5X)** is the ideal general purpose optic. The 250 series optic will provide a magnified view of approximately 2.5 times the object size. Most first time loupes users choose this magnification.

**The 300 Series (3.0X)** is an ideal optic for those who have worked with a 2.5x magnification power optic and want an increase in power. The 300 series optic provides a view of the entire area of focus and has an excellent depth of focus.

**The 350 Series (3.5X)** is the highest magnification optic available in a compound lens design. The 350 series optic is an excellent choice for dentists and surgeons requiring high magnification in a lightweight loupes.

### *Suggested Loupes Guide*

| Discipline             | Your Height         |                    |                            |
|------------------------|---------------------|--------------------|----------------------------|
|                        | under 5'7"          | 5'7" to 6'4"       | over 6'4"                  |
| Cardiac                | 3.0x/3.5x - Long    | 3.0x/3.5x - Long   | 3.0x/3.5x - X-Long         |
| General Surgery        | 2.5x - Long         | 2.5x - X-Long      | 2.5x - X-Long              |
| Maxillofacial          | 3.0x - Regular      | 3.0x - Long        | 3.0x - Long                |
| Neuro Surgery          | 2.5x/3.5x - Long    | 2.5x/3.5x - X-Long | 2.5x/3.5x - X-Long         |
| Ophthalmology          | 2.5x/3.0x - Regular | 2.5x/3.0x Long     | 2.5x/3.0x - Long or X-Long |
| Orthopedics (sitting)  | 2.5x- Regular       | 2.5x - Long        | 2.5x - X-Long              |
| Orthopedics (standing) | 2.5x - Long         | 2.5x - X-Long      | 2.5x - X-Long              |
| Plastics (sitting)     | 3.0x - Regular      | 3.0x - Long        | 3.0x - Long                |
| Plastics (standing)    | 3.0x - Long         | 3.0x - Long        | 3.0x - X-Long              |
| Urology                | 2.5x - Long         | 2.5x - X-Long      | 2.5x - X-Long              |
| Vascular               | 3.5x - Regular      | 3.5x - Long        | 3.5x - X-Long              |
| Veterinary Dentistry   | 2.5x - Regular      | 2.5x - Long        | 2.5x - Long                |

# MAGNIFICATION CHART

| Magnification | Working Distance | Miltex Part Number<br>Loupe Kit with<br>RED FRAME | Miltex Part Number<br>Loupe Kit with<br>BLACK FRAME |
|---------------|------------------|---|---|
| 2.5x          | 10"-13" (S)      | 1-5000  | 1-5011  |
|               | 12"-16" (R)      | 1-5001  | 1-5012  |
|               | 14"-18" (L)      | 1-5002  | 1-5013  |
|               | 16"-20" (XL)     | 1-5003  | 1-5014  |
| 3.0x          | 10"-13" (S)      | 1-5004  | 1-5015  |
|               | 13"-16" (R)      | 1-5005  | 1-5016  |
|               | 16"-21" (L)      | 1-5006  | 1-5017  |
|               | 18"-22" (XL)     | 1-5007  | 1-5018  |
| 3.5x          | 13"-16" (R)      | 1-5008  | 1-5019  |
|               | 16"-20" (L)      | 1-5009  | 1-5020  |
|               | 18"-22" (XL)     | 1-5010  | 1-5021  |

## KIT CONTENTS

1. Magnification Loupes and Frame
2. Storage Case
3. Flip Paddle
4. Lens Covers
5. Cleaning Solution
6. Screwdriver
7. Cleaning Cloth
8. Head Strap



## ACCESSORY ITEMS

- 1-5022 Loupes Rx (Prescription) Insert
- 1-5023 Replacement Loupes Red Frame
- 1-5024 Replacement Loupes Black Frame
- 1-5025 Loupes Flip Paddle

## LOUPES RX INSERT LENS STEPS



1. Bring insert to your Optometrist for personalized prescription



2. Remove nose piece from frame



3. Place insert behind frame shield; the insert snaps into pegs



4. Place nose piece back onto frame

# LED LOUPES LIGHT SOURCE

The Miltex® portable dental and surgical LED light source produces amazing brightness in a completely portable light. The small power pack is lightweight and uses Lithium Ion cells that can be quickly and easily recharged. The portable LED can be attached to most loupes systems.

| Features  | Benefits   |
|---|--|
| Highest intensity of any portable dental and surgical headlight (80,000 Lux @ 14 inches)          | Provides pure white light for true color rendition |
| Power pack design with external battery cells for quick changing<br>Li Ion batteries (1 included) | Provides 4.5 hours of use on a single charge       |
| Variable light intensity control  | Allows for professional to adjust light as needed  |
| Portable Headlamp Weighs only 0.7 ounces  | Lightweight reduces pressure                       |
| Quick charger - 90% charge in 90 minutes  | Reduced charging time                              |
| Flip up dental composite filter available   | Prevents composite materials from curing           |



Choose your own manufacturer specific mount!  
(see next page for details)



Each unit comes complete with 1 each of the following:

1. LED Headlight
2. Battery
3. Battery Charger
4. Battery Power Pack (attaches to belt)
5. AC Adapter
6. Attach mount (varies per REF)

## CHOOSE YOUR OWN MOUNT!

Manufacturer specific mounts come assembled on the lamp head

*Use the simple chart below to choose the mount that matches your loupes!*

| REF   | Description           | Mount Type                |
|-------|-----------------------|---------------------------|
| 15050 | LED Loupes Light Unit | Miltex® loupes mount      |
| 15051 | LED Loupes Light Unit | Orascoptix® loupes mount  |
| 15052 | LED Loupes Light Unit | Sheervision® loupes mount |
| 15053 | LED Loupes Light Unit | Surgitel® loupes mount    |
| 15054 | LED Loupes Light Unit | Large Universal mount     |
| 15055 | LED Loupes Light Unit | Heine® loupes mount       |

*NOTE: Not all mounts match all loupes.  
Contact your MilteX® Representative to ensure compatibility.*

## THE FOLLOWING REPLACEMENT PARTS ARE ALSO AVAILABLE:



**REF 15061**  
Flip-Up Dental Composite Filter



**REF 15057**  
Ion Battery

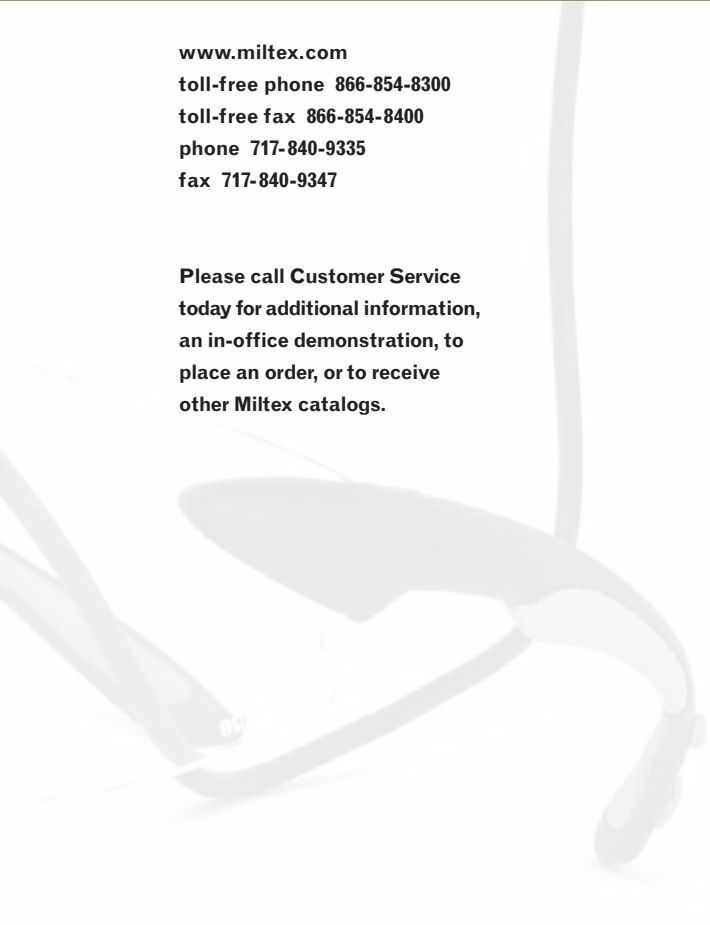


**REF 15056**  
Replaceable Cable



[www.miltex.com](http://www.miltex.com)  
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toll-free fax 866-854-8400  
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