

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



MILTEX<sup>®</sup> LOUPES & LED LIGHT

## LED LIGHT SOURCE: ADDITIONAL LIGHTING FOR BETTER VISIBILITY

Adding a LED light source to your Magnification Loupes will help provide extra illumination, maximizing visualization of the oral cavity



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

## MILTEX® LED LOUPES LIGHT FEATURES AND BENEFITS

### FEATURES

1. HIGHEST INTENSITY OF ANY PORTABLE DENTAL & SURGICAL HEADLIGHT (80,000 LUX @ 14 INCHES)
2. VARIABLE LIGHT INTENSITY CONTROL
3. FLIP UP DENTAL COMPOSITE FILTER AVAILABLE
4. STATE-OF-THE-ART LI ION BATTERIES (1 INCLUDED)
5. QUICK CHARGER - 90% CHARGE IN 90 MINUTES
6. PORTABLE HEADLAMP WEIGHS ONLY 0.7 OUNCES
7. ALTERNATIVE MANUFACTURER MOUNTS AVAILABLE

### BENEFITS

- PROVIDES PURE WHITE LIGHT FOR TRUE COLOR RENDITION
- ALLOWS FOR PROFESSIONAL TO ADJUST LIGHT AS NEEDED
- PREVENTS COMPOSITE MATERIALS FROM CURING
- PROVIDES 4.5 HOURS OF USE ON A SINGLE CHARGE
- REDUCED CHARGING TIME
- LIGHTWEIGHT REDUCED PRESSURE
- CAN FIT OTHER LOUPE BRANDS



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)

**Based on a report in a 2003 Supplemental Issue of *Access on Magnification Use In Dental Hygiene*, Magnification loupes extend a dental clinician's career by decreasing the physical strains associated with achieving clear oral cavity visualization while providing superior patient care**

---

**LOUPES CAN HELP REDUCE MOTION AND STATIC POSTURE STRESSORS BY:**

- *IMPROVING DENTAL CLINICIANS' VISUALIZATION<sup>1</sup>*
- *REDUCING CHAIR TIME PER PROCEDURE DUE TO BETTER VISUALIZATION<sup>1</sup>*
- *IMPROVING OVERALL POSTURE BY NOT REQUIRING DENTAL CLINICIANS AND DENTAL HYGIENISTS TO LEAN FORWARD IN ORDER TO SEE THE ORAL CAVITY<sup>1</sup>*

---

**USING MILTEX® LOUPES PROVIDES THE FOLLOWING BENEFITS TO THE PATIENT:**

- *ENHANCED TREATMENT – DENTAL CLINICIANS CAN BETTER VISUALIZE ORAL ISSUES AND PROBLEMS AND CAN MORE EASILY DEVELOP A TREATMENT PLAN*
- *BETTER DELIVERY OF CARE – DENTAL CLINICIANS AND HYGIENISTS CAN BETTER VIEW THEIR WORK, LEADING TO BETTER OVERALL DENTAL CARE*
- *ACCURATE ASSESSMENT – DENTAL CLINICIANS AND HYGIENISTS CAN MORE ACCURATELY ASSESS OVERALL POCKET DEPTH AND INTEGRITY OF RESTORATION MARGINS*



# MILTEX® LOUPES FEATURES & BENEFITS

## MILTEX® OPTICS FEATURES AND BENEFITS

WITH SET AND FORGET™ OPTICS, YOU DO NOT HAVE TO BE INDIVIDUALLY MEASURED TO GET A CUSTOM FIT. ALL MILTEX® OPTICS ALLOW YOU TO SET YOUR INTERPUPILLARY, CONVERGENCE AND DECLINATION ANGLE FOR PERFECT OPTICAL ALIGNMENT. THE OPTICS ARE QUICKLY AND EASILY LOCKED INTO YOUR INDIVIDUAL SETTING SO YOUR LOUPES ARE ALWAYS PERFECTLY ALIGNED.

### FEATURES

1. SET AND FORGET™ OPTICS

### BENEFITS

OPTICS ARE QUICKLY AND EASILY LOCKED INTO PLACE

2. DUAL HINGE DESIGN

ALLOWS FOR EASY FLIP UP OF OPTICS

3. AUTO LOCKING INTERPUPILLARY KNOB

ALLOWS FOR SECURE ADJUSTMENT OF YOUR SETTINGS

4. DOUBLE LOCKING CONVERGENCE ANGLE

PROVIDES STABLE ALIGNMENT OF OPTICS



## MILTEX® FRAME FEATURES AND BENEFITS



FRAMES AVAILABLE IN BLACK AND RED

**PRESCRIPTION INSERT AVAILABLE**

### FEATURES

1. LIGHTWEIGHT SPORTS FRAME

### BENEFITS

MORE COMFORTABLE, STYLISH LOOK  
REDUCES PRESSURE

2. 180° WRAP AROUND SHIELD

OFFERS EYE PROTECTION TO DENTAL PROFESSIONAL  
EXCEEDS ANSI 287.1 AND HIGH IMPACT STANDARDS

3. SOFT NOSE PAD

REDUCES PRESSURE ON NOSE RIDGE  
MORE COMFORTABLE FIT

4. NON SLIP, PADDED TEMPLES

PROVIDES MORE SECURE FIT DURING PRODUCT USE

CAN BE WORN WITH OR WITHOUT HEAD STRAP

# CHOOSING THE RIGHT MAGNIFICATION

## CHOOSING THE PERFECT LOUPES FOR YOU IS SIMPLE JUST FOLLOW THESE 3 EASY 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 dental 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 around that pre-set point. Miltex® loupes are available in 4 working distances: Short (10-13"), Regular (12-16"), Long (14-18") and Extra Long (16-20").

### ***STEP 3: ENJOY!***

Miltex has long been committed to providing top quality products. We are confident that these loupes will assist you in practicing better dentistry with proper ergonomics and clearer vision.

- **The 250 Series (2.5x)** is the highest 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 individuals who have worked with a 2.5x magnification power optic and want to step up in power. The 300 series optic provides a view of the entire quadrant of the mouth and has an excellent depth of focus.
- **The 350 Series (3.5x)** is the highest magnification available in a compound lens design. The 350 series optic is an excellent choice for dentists requiring high magnification in lightweight loupes.



*Please use the chart below as a general guide to choosing your loupes. Please remember that this is a general guide and preferences can differ.*

Discipline	Your Height		
	under 5'7"	5'7" to 6'4"	over 6'4"
<b>General Dental</b>	2.5x/3.0x - Regular	2.5x/3.0x - Long	2.5x/3.0x - X Long
<b>Hygiene</b>	2.5x - Regular	2.5x - Long	2.5x - X Long
<b>Endodontics</b>	3.0x/3.5x - Regular	3.0x/3.5x - Long	3.0x/3.5x - X Long
<b>Oral Surgery</b>	3.0x/3.5x - Regular	3.0x/3.5x - Long	3.0x/3.5x - X Long

# WHAT IS THE FIELD OF VIEW?

The Field of View is the size of the area seen through magnification loupes. Clinicians appreciate a wider field of view because it is easier to adjust when shifting from the naked eye to the loupes and it may reduce eye fatigue. Field width is linked to the magnifying power of the loupes – the higher the power, the smaller the field.



2.5X



3.0X



3.5X

## MILTEX® LOUPE PART NUMBERS

Loupes Description			Miltex® Part Number	Miltex® Part Number
Magnification	Working Distance	Field of View	RED FRAME	BLACK FRAME
2.5x	10"-13" (S)	3.5" (S)	1-5000	1-5011
	12"-15" (R)*	3.8" (R)	1-5001	1-5012
	14"-17" (L)	4.3" (L)	1-5002	1-5013
	16"-20" (XL)	4.6" (XL)	1-5003	1-5014
3.0x	10"-13" (S)	2.8" (S)	1-5004	1-5015
	13"-16" (R)	2.5" (R)	1-5005	1-5016
	16"-21" (L)	3.5" (L)	1-5006	1-5017
	18"-22" (XL)	4.0" (XL)	1-5007	1-5018
3.5x	13"-16" (R)	2.3" (R)	1-5008	1-5019
	16"-20" (L)**	3.0" (L)	1-5009	1-5020
	18"-22" (XL)	3.5" (XL)	1-5010	1-5021

\* Most popular loupes for hygiene

\*\* Most popular loupes for endodontic procedures

## MILTEX® ACCESSORY ITEMS

- 1-5022 LOUPES RX (PRESCRIPTION) INSERT
- 1-5023 LOUPES RED FRAME
- 1-5024 LOUPES BLACK FRAME
- 1-5025 LOUPES FLIP PADDLE



## KIT CONTENTS

1. MAGNIFICATION LOUPES & FRAME
2. HEAD STRAP
3. FLIP PADDLE
4. LENS COVERS
5. STORAGE CASE
6. CLEANING CLOTH
7. CLEANING SOLUTION
8. SCREWDRIVER

## LOUPES RX INSERT LENS STEPS



1. Provide insert lens to Optometrist for personalized prescription



2. Remove nose paddle from frame



3. Place insert behind frame shield



4. Place nose piece back onto frame

# CHOOSE YOUR OWN MOUNT!

The Miltek® portable dental 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. Manufacturer specific mounts come pre-assembled on the lamp head.



## MILTEK® LED LIGHT PART NUMBERS

REF	Description	Mount Type
15050	LED Loupes Light Unit	Miltek® 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 Miltek Representative to ensure compatibility.*

## THE FOLLOWING ACCESSORY ITEMS ARE AVAILABLE:



REF 15061  
Flip-Up Dental Composite Filter

(PREVENTS COMPOSITE MATERIALS FROM CURING)



REF 15057  
Ion Battery



REF 15056  
Replaceable Cable

## ASSEMBLY IS EASY FOR MILTEK® LOUPES!



1. Charge battery and place into clip battery pack.



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



3. Clip battery pack onto your belt and turn on.



4. Position LED Light and its ready for use!



www.miltex.com  
toll-free phone 866-854-8300  
toll-free fax 866-854-8400  
phone 717-840-9335  
fax 717-840-9347

**Please call Customer  
Service today for additional  
information, an in-office  
demonstration, to place an  
order, or to receive other  
Miltex catalogs.**

Miltex and Miltex Redefining Excellence are registered trademarks of Miltex, Inc., a subsidiary of Integra LifeSciences Corporation.  
Set and Forget is a trademark of Perioptix, Inc. All other trademarks and product names are the property of their respective owners.  
The Integra wave logo is a trademark of Integra LifeSciences Corporation.  
Copyright© 2010 Integra LifeSciences Corporation

