

# Laryngoscope Blades

## What is it?

A laryngoscope is an instrument used to examine the larynx. The classic laryngoscope is available with a variety of blade attachments and with/without a Fiber Optic light source. The trend regarding blades has/is moving toward the disposable version.

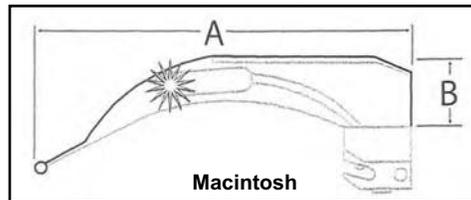
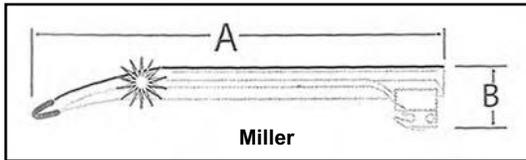
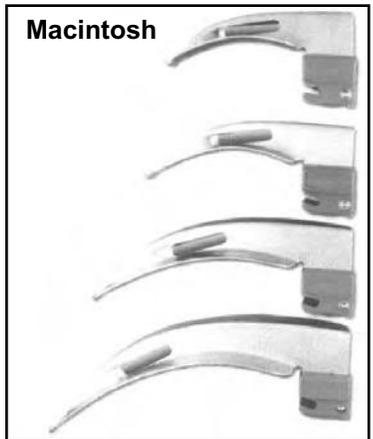
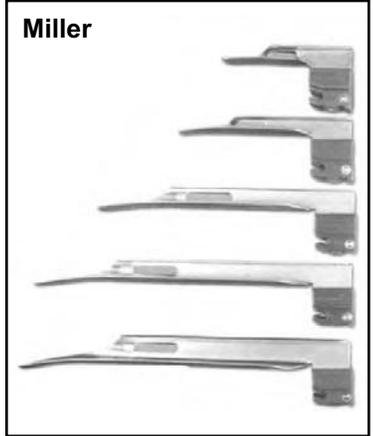
## Function:

Laryngoscope blades are used as the primary tool for examination of the interior of the larynx and for placement of an endotracheal tube.

## Main Feature:

The Miller Laryngoscope Blade . . . The most popular of the straight types. The side of the flange is reduced to minimize trauma and the curve at the beak or tip is extended to improve lifting of the epiglottis. These improvements facilitate greater exposure of the larynx in difficult-to-intubate patients.

The Macintosh Laryngoscope Blade . . . The Macintosh is the predominate model of the curved blade types. During laryngoscopy, the tip or beak of the blade is compressed into the angle formed by the base of the tongue and the epiglottis, indirectly raising the epiglottis. Some sizes are available flangeless. Also available is a die-stamped or one-piece construction blade with a slightly expanded flange.



## Features

- Surgical Stainless Steel
- Disposable, non-plastic, sterile blade
- Polished acrylic stem produces exceptional illumination
- Used with a reusable "Green" system Fiber Optic handle

## Benefits

- Answers the professional's request for disposable
- Perfect solution to cleaning problems in the EMS field
- Exceptional viewing capability
- Suitable for "everyday" hospital use, cost-efficient

## ORDERING INFORMATION

Part#	Description	Dimensions A	Dimensions B	Quantity
<b>MILLER</b>				
#53-5-5333-00	0 Neonate	77mm	10mm	20/Box
#53-5-5333-01	1 Infant	102mm	10mm	20/Box
#53-5-5333-02	2 Child	153mm	12mm	20/Box
#53-5-5333-03	3 Med. Adult	195mm	13mm	20/Box
#53-5-5333-04	4 Lg. Adult	205mm	16mm	20/Box
<b>MACINTOSH</b>				
#53-5-5332-01	1 Infant	92mm	22mm	20/Box
#53-5-5332-02	2 Child	100mm	21mm	20/Box
#53-5-5332-03	3 Med. Adult	130mm	22mm	20/Box
#53-5-5332-04	4 Lg. Adult	155mm	25mm	20/Box

# Laryngoscope Blades/Standard

## WELCH ALLYN GUEDEL

The Guedel blade is another original straight blade that has been modified by angling the blade 28° on its base toward the handle. This helps to promote lifting without using the teeth as a fulcrum. The Guedel blade was one of the first blades designed specifically for use with cuffed endotracheal tubes. The distal tip has slightly more angulation than the Flagg to assist in compression of the epiglottis.

#6783-66471	Size 1	75 mm
#6783-66482	Size 2	98 mm
#6783-66483	Size 3	148 mm
#6783-66484	Size 4	165 mm



## SUN-FLEX™ MACINTOSH FLEXIBLE TIP BLADES

English Profile

### SUN-FLEX™

- Stainless steel construction
- Satin finish
- English channel to help visualize the epiglottis
- Precise control to elevate the epiglottis
- Fiber optic bundle can be replaced when service is required
- Tip has non-pinching design



Sun • Med is the only manufacturer to provide both conventional and fiber optic flexible laryngoscope blades.

Item No	Size	Description	A	B
#53-5-5282-03	3	Medium Adult	132mm	23mm
#53-5-5282-04	4	Large Adult	155mm	26mm

### SUN-FLEX™ KIT

KIT INCLUDES:

- Sun-Flex blades sizes 3 and 4
- 1 medium chrome plated handle
- 1 extra reflector lamp
- Hard plastic carrying case

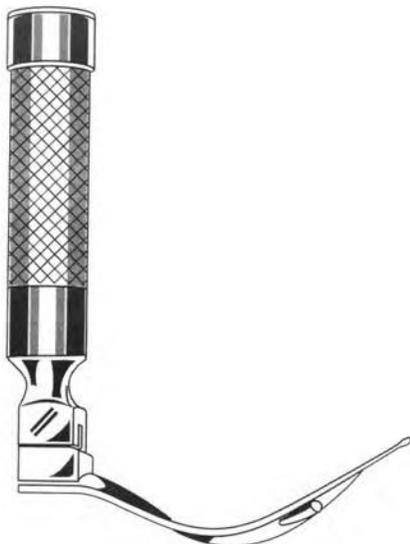


Item No	Description
#53-5-5282-42	Sun-Flex Fiber Optic Macintosh Kit

*All above blades are made from 303/304 surgical stainless steel and are provided with 4mm, replaceable fiber optic bundles. GreenLine® blades and handles are fully compliant with ISO standard 7376-3 and interchange perfectly w/ companies conforming to the "Green System". (i.e. Anesthesia Associates, AMS, Heine, Propper, Rusch and Welch Allyn)*

## BIZZARRI-GIUFFRIDA

A modification of the Macintosh Laryngoscope Blade with the flange eliminated to minimize danger of damage to teeth, facilitates laryngoscopy of patients with limited mouth opening because of disease, injury, deformity, etc., and permits maximum anterior rotation of the distal end of the blade. Minimum discomfort when used on a conscious patient. Excellent for laryngoscopy of patients with protruding teeth, receding jaw, "bull neck" or larynx located in an extreme anterior anatomic position.



#53-53072-03	Medium Adult	Size 3, 130mm
#53-53072-04	Large Adult	Size 4, 158mm

# Laryngoscopes/Macintosh Flexible Tip Blades (Conventional Illumination)

## Laryngoscopes with Conventional Illumination

### SUN-FLEX™ (Flexible Tip)

- Satin finish
- Extra bright reflector lamp
- English channel to help visualize the epiglottis
- Surgical stainless steel construction
- Precise control to elevate the epiglottis
- Tip has non-pinching design

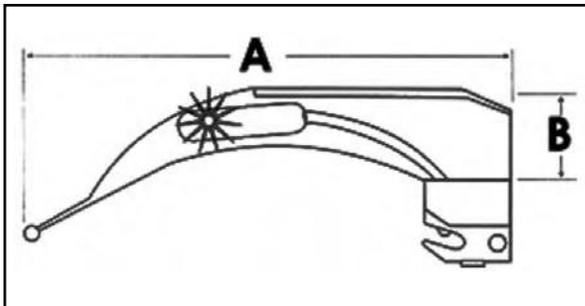
Manufactured to provide both conventional and fiber optic flexible laryngoscope blades. Another product to assist you with difficult intubations.

Blades made of surgical stainless steel.

## English Profile



Replacement Lamps  
#53-5-0234-14  
NEW! Parabolic Reflector Lamp provides 40% more light.



### Macintosh Flexible Tip Blades/English Profile with Conventional Illumination

Part #	Size	Description	Dimensions	
			A	B
#53-5-5082-03	3	Medium Adult	132mm	25mm
#53-5-5082-04	4	Large Adult	155mm	26mm



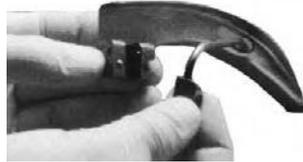
### Sun-Flex Macintosh Kit

#53-5-5082-42 Sun-Flex Macintosh Kit

#### KIT INCLUDES:

- Sun-Flex blades, sizes 3 and 4
- 1 medium chrome-plated handle (stainless steel available)
- 1 extra reflector lamp
- Foam carrying case

# Laryngoscopes



## Removable Fiber Optics

Rüsch SnapLight™ fiber optic laryngoscope blades are designed with the clinician in mind. The large diameter fiber optic bundle can be removed to simplify cleaning - no crevices or hard to reach areas. Our unique snap-on fit mechanism eliminates screws that can be misplaced.



### Specifications:

- Large diameter fiber optic light pipe
- Easy to remove fiber bundle
- Green system fitting to ISO 7376-3 specifications.
- Lifetime warranty; free from manufacturing defects.

### Benefits:

- Bright focused light
- Easy to clean
- No screws to keep track of
- Interchangeable with other Green systems

### Macintosh Blade

Product #	Size	Qty	Replacement Bundle Part #
#12-002201100	1 Infant	1	#12-002501100
#12-002202200	2 Child	1	#12-002502200
#12-002203300	3 Med Adult	1	#12-002503300
#12-002204400	4 Large Adult	1	#12-002504400

### Miller Blade

Product #	Size	Qty	Replacement Bundle Part #
#12-002200000	00 Small Premi	1	#12-002500000
#12-002201500	0 Premature	1	#12-002515000
#12-002216100	1 Infant	1	#12-002516100
#12-002217200	2 Child	1	#12-002517200
#12-002218300	3 Med Adult	1	#12-002518300
#12-002219400	4 Large Adult	1	#12-002519400



#12-135001

The Viewmax® allows visualization of the vocal cords in even the most difficult cases. Designed by an Anesthesiologist to function like a standard laryngoscope, Viewmax® does not require special training. The product's unique advantage lies in its ability to allow intubation whether you are faced with a Mallampati Grade I or IV airway. It has a patented lens system that refracts the image approximately 20° from horizontal, allowing visualization of even the most anterior larynx. The exclusive lens system also provides visual confirmation of endotracheal intubation by allowing a clear view of the vocal cords even as the tube passes through.



- Functions exactly like a laryngoscope
- Extreme anterior view
- For routine visualization of larynx
- Affordable

# Laryngoscopes/Fiber Optic Handle

## MERCURY® UPSHER™ FIBER OPTIC HANDLES



### GET A HANDLE ON IT

Now made of extra-hardened aluminum, Upsher's Universal™ handles are the lightest you've ever held. The featherweight construction gives you tremendous ease and maneuverability, for a real dexterity you've never felt before!

#### ***And here's the truly great thing about these handles:***

- Their hardened aluminum is not only lightweight - it's far tougher than brass.
- Upsher's patented fiber optic system is now powered through a gold plated printed circuit board. There's no interior wiring to break, fray or corrode.
- These remarkable handles are now sealed. With the batteries in, they can be immersed in water or alcohol. With batteries removed they can be autoclaved or immersed in most commonly used disinfectants.\*

\* Call our customer service staff for directions on cleaning, or visit our website.

### GET SMALL

The same toughness and lightweight feel of the standard Upsher Universal™ Handle - in less than half the size! Introducing the Upsher Micro-Grip™ - only 3 1/4" high and 4.1 ounces. Perfect for crash carts and C-Sections, this ultra-light aluminum handle fits snugly into your palm. It's the breakthrough that finally makes the laryngoscope what it was meant to be, a comfortable, easy-to-maneuver extension of your hand. It's long life lithium battery makes it ready whenever you need it.



Standard Universal™ Handle



Micro™ Handle



Stubby Handle

Penlight Handle

### ITEM NUMBER

- |            |                                                       |
|------------|-------------------------------------------------------|
| #10-180-00 | F/O Standard Handle, lightweight, use 2 "C" batteries |
| #10-191-50 | F/O Penlight Handle, accepts 2 "AA" batteries         |
| #10-192-50 | F/O Stubby Handle, accepts 2 "AA" batteries           |
| #10-200-30 | F/O Micro-Handle, uses lithium battery, (#72-DL123AB) |

# Laryngoscopes/Fiber Optic

## UPSHER® Fiber Optic Laryngoscopy Systems

### SHEDDING MORE LIGHT ON THE SUBJECT...

- Largest assortment of interchangeable blades with Upsher handles.
- High-powered argon lamp provides up to four times the illumination of many conventional lamps.
- No internal wiring to break, fray or corrode.
- Compatible with other standard blades that have hook-on fittings in accordance with ISO #7376-1 and ASTM #F965 standards.
- Water-resistant handles.
- Low maintenance.
- Can be used with light source and Power Handle for maximum luminescence in viewing a traumatized airway.



Maximum reliability and longevity in an instrument you'll want to use for years.

### UPSHER Blades

Part #	Description	Size
#10-190-10	MacIntosh Blade	#1
#10-190-20	MacIntosh Blade	#2
#10-190-30	MacIntosh Blade	#3
#10-190-90	MacIntosh Blade	#3.5
#10-190-40	MacIntosh Blade	#4

Part #	Description	Size
#10-292-00	Miller Blade	#0
#10-292-10	Miller Blade	#1
#10-192-20	Miller Blade	#2
#10-192-30	Miller Blade	#3
#10-192-40	Miller Blade	#4

### Specialty Blades

Part #	Description	Size
#10-196-10	ULX™ MacIntosh Blade	#1
#10-196-20	ULX™ MacIntosh Blade	#2
#10-196-30	ULX™ MacIntosh Blade	#3
#10-196-40	ULX™ MacIntosh Blade	#4
#10-197-20	IV MacIntosh Blade	#2
#10-197-30	IV MacIntosh Blade	#3
#10-197-40	IV MacIntosh Blade	#4



Area of Improved Vision with IV MacIntosh

Note: Fiber Optic Repolishing Service is Available at no charge. Light bundles are removable and can be repolished up to 3 times extending the life of the blade and restoring light intensity.

# Laryngoscopes/2001 Fiberlight

## Stainless Steel - Polished Finish

Part #	Description	Size	Light Position	Type Of Patient
#10-77607	F/O MacIntosh	Size 1		Infant
#10-77608	F/O MacIntosh	Size 2		Child
#10-77609	F/O MacIntosh	Size 3		Medium Adult
#10-77610	F/O MacIntosh	Size 4		Large Adult
#10-77700	F/O Miller	Size 0	Left	Premature
#10-77701	F/O Miller	Size 1	Left	Infant
#10-77707	F/O Miller	Size 2	Left	Child
#10-77702	F/O Miller	Size 2	Right	Child
#10-77708	F/O Miller	Size 3	Left	Medium Adult
#10-77703	F/O Miller	Size 3	Right	Medium Adult
#10-77709	F/O Miller	Size 4	Left	Large Adult
#10-77704	F/O Miller	Size 4	Right	Large Adult
#10-77800	F/O Phillips	Size 1		Child
#10-77801	F/O Phillips	Size 2		Adult

### FEATURES:

- Removable light bundles can be repolished extending blade life - up to 3 times.
- Damaged light bundles can be replaced at a fraction of the cost of a new blade.
- Light bundle available on the right side for Miller #2, #3 and #4.
- Design allows you to mix standard and fiber optic blades.

The **2001 FIBERLIGHT®** Laryngoscope Blade is constructed of long-lasting Stainless Steel (polished finish).

This fiber optic laryngoscope blade was made especially for your existing standard handles.



Bundles can be easily replaced by simply unscrewing.



**Our light is in the blade,  
Not in the handle!**

(Designed to fit Standard Handles)

**#53-5-0237-93** Medium Handle (Waterproof)

**#53-3-0237-91** Penlight Handle (Waterproof)



**#10-77301 2001 Replacement Lamp**  
The light is located in the bottom of the blade.

Note: Light bundles are removable and can be repolished up to 3 times extending the life of the blade and restoring light intensity.

The Light bundle is now available on the right or left side of the Miller #2, #3 and #4 blades.

# Laryngoscope/Fiber Optic

## PROPPER HEINE STYLE INTEGRATED FIBER OPTIC LARYNGOSCOPES

*The premier blade with the fiber optic bundle integrated in stainless steel.*

### Whiter and Brighter Light

- High intensity bulbs give off a brighter, whiter light.
- Yellowish tinge alerts you to insert fresh batteries.

### Bulb is in the handle - not in the blade

- Bulb does not enter patient; blade stays cool.
- Eliminates electrical problems of ordinary laryngoscopes.
- No wires to repair, no electrical conductivity required between blade and handle.

### Integrated blade is easy to clean

- Fiber optic bundle is a permanent part of the blade, protected by stainless steel.
- No need to take the blade apart to clean it.

### Components can be sterilized

- Blade and outer compartment of the handle can be sterilized with any approved EO gas sterilization cycle.

Detailed sterilization instructions are provided with each instrument.

Because the bulb is in the handle only one size bulb is needed to light any Propper fiber optic laryngoscope blade.

#### Item Number

##### Blades

#5261-199161	MacIntosh #1
#5261-199144	MacIntosh #2
#5261-199145	MacIntosh #3
#5261-199146	MacIntosh #4
#5261-199162	MacIntosh #5
#5261-199153	Propper #0 (Straight)
#5261-199147	Propper #1 (Straight)
#5261-199156	Miller #0
#5261-199157	Miller #1
#5261-199158	Miller #2
#5261-199159	Miller #3
#5261-199160	Miller #4
#5261-199163	Wisconsin #1
#5261-199164	Wisconsin #2
#5261-199165	Wisconsin #3

##### Sets

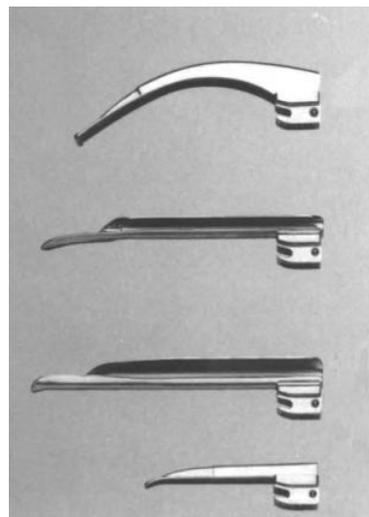
#5261-199175	Small Set
#5261-199176	Large Set
#5261-199177	Complete Set

##### Handles

#5261-199150	2.5 volt - uses 2 "C" batteries (Standard Handle)
#5261-199152	2.5 volt - uses 2 "AA" batteries (Penlight Handle)
#5261-199578	2.5 volt - uses 2 "AA" batteries (Stubby Handle)

##### Bulbs

#5261-199407	2.5 volt - Halogen, high - intensity
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MacIntosh #3

Miller #2

Wisconsin #3

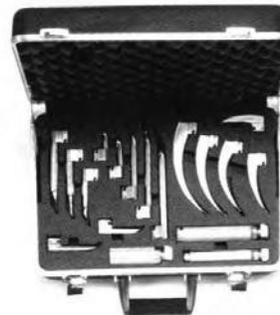
Propper #1

#### Sets

**#5261-199175** Small Set : Contains one each of Propper #1, MacIntosh #3, and Miller #3 blades, plus a large handle and 2 small handles in a compact case (not shown).

**#5261-199176** Large Set : Contains 5 MacIntosh blades, 5 Miller Blades, 2 Propper blades, and 2 handles in a rigid carrying case (not shown).

**#5261-199177** Complete Set : Contains 5 MacIntosh blades, 5 Miller Blades, 3 Wisconsin blades, 2 Propper blades, and 3 handles in a rigid carrying case.



# Laryngoscopes/Fiber Optic

## Welch Allyn

### Miller Halogen Fiber Optic

Item Number	Size	Inside Vertical Measure	Length Inside Base To Tip
#6783-68060	#0	8mm	53mm
#6783-68061	#1	8mm	79mm
#6783-68062	#2	10mm	132mm
#6783-68063	#3	11mm	172mm
#6783-68064	#4	13mm	182mm



### Macintosh Halogen Fiber Optic

Item Number	Size	Length Overall	Length Inside Base To Tip
#6783-69061	#1	89mm	63mm
#6783-69062	#2	108mm	82mm
#6783-69063	#3	126mm	101mm
#6783-69064	#4	160mm	135mm



Fiber Optic Handles

### Portable Fiber Optic Sets

- #6783-65101 Portable set includes laryngoscope Blades (MacIntosh #3, Miller #0, Miller #2), #6783-60813 "C" cell handle and case #6783-05620
- #6783-65102 Portable set includes laryngoscope Blades (MacIntosh #3, Miller #0, Miller #2), #6783-60814 "AA" cell handle and case #6783-05620
- #6783-65103 Portable set includes laryngoscope Blades (MacIntosh #3, MacIntosh #4), #6783-60813 "C" cell handle and case #6783-05620
- #6783-65104 Portable set includes laryngoscope Blades (MacIntosh #3, MacIntosh #4), #6783-60814 "AA" cell handle and case #6783-05620
- #6783-052620 Portable case only, soft vinyl, zipped



### Lightweight

Redesigned to reduce total weight, Welch Allyn's new lightweight handles are up to 40% lighter than the previous design. This, coupled with a 50% reduction in blade weight, adds up to a responsive and maneuverable system. Fiber optic handles are available in both "C" and "AA" sizes.

- #6783-60813 "C" size fiber optic battery handle
- #6783-60814 "AA" size fiber optic battery handle
- #6783-06000 Halogen replacement lamp

### Stubby

The reduced length of the stubby handle facilitates different intubations on short-necked, barrel chested patients. It is particularly effective in obstetric cases in which the reduced distance between the mouth and chest prohibits the use of a standard length. Handle operates with "AA" size batteries.



- #6783-60815 Fiber optic stubby handle
- #6783-06000 Halogen replacement lamp



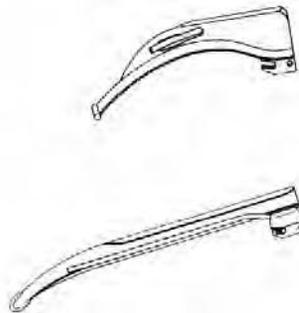
# Laryngoscopes/Fiber Optic

## RUSCH LARYNGOSCOPE SYSTEMS

### Fiber Optic Laryngoscope Systems FOCS Fiber Optic Blades

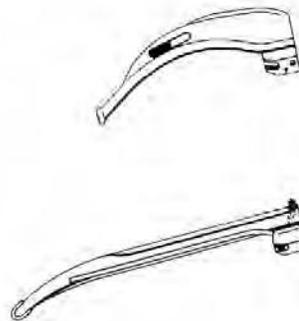
#### FOCS BLADE/MACINTOSH (Fits All Standard<sup>1</sup> Handles)

Item Number	Size	Lamp
#12-005640	#1 Infant	#12-005630
#12-005641	#2 Child	#12-005630
#12-005642	#3 Med. Adult	#12-005630
#12-005643	#4 Lg. Adult	#12-005630



#### FOCS BLADE/MILLER (Fits All Standard<sup>1</sup> Handles)

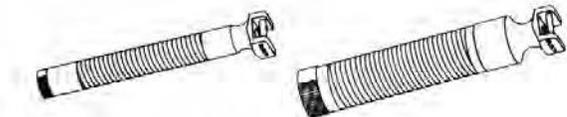
Item Number	Size	Lamp
#12-005650	#0 Premature	#12-005630
#12-005651	#1 Infant	#12-005630
#12-005652	#2 Child	#12-005630
#12-005653	#3 Med. Adult	#12-005630
#12-005654	#4 Lg. Adult	#12-005630



### LYNCS Fiber Optic Blades and Handles

#### LYNCS BLADE/MACINTOSH (Fits All Standard<sup>1</sup> Handles<sup>2</sup>)

Item Number	Size	Lamp
#12-008301	#1 Infant	Lamp in
#12-008302	#2 Child	LYNCS
#12-008303	#3 Med. Adult	Handles
#12-008304	#4 Lg. Adult	



#### LYNCS BLADE/MILLER (Fits All Standard<sup>1</sup> Handles<sup>2</sup>)

Item Number	Size	Lamp
#12-008315	#0 Premature	Lamp in
#12-008316	#1 Infant	LYNCS
#12-008317	#2 Child	Handles
#12-008318	#3 Med. Adult	
#12-008319	#4 Lg. Adult	

#### LYNCS HALOGEN LAMPS

#12-008322-000 6/BX

#### FOCS HALOGEN LAMPS

#12-005630 6/BX



### LYNCS Fiber Optic Handle (Fits All Rusch Lyncs Fiber Optic<sup>2</sup> blades and standard blades)

Item Number	Size	Lamp
#12-008320	Small Penlight	#12-008322
#12-008321	Med./Standard	#12-008322

Caution: Sudden cooling following heat sterilization may damage Fiber Optics.  
(Such as immediate immersion in cool water).

# Laryngoscopes/Fiber Optic



## Rusch Fiber Optic Laryngoscope System

The Green spec system is designed to interchange with the green coded fiber optic systems.

### MacIntosh Fiber Optic Blade Non-Sterile

- Stainless steel
- Lamp is in fiber optic handle
- Green color coding

Light side	Item number	Size	Box
Left	#12-004431100	1 Infant	1
Left	#12-004432200	2 Child	1
Left	#12-004433300	3 Medium Adult	1
Left	#12-004434400	4 Large Adult	1



### Miller Fiber Optic Blade Non-Sterile

- Stainless steel
- Lamp is in fiber optic handle
- Green color coding

Light side	Item number	Size	Box
Left	#12-004449000	00 Small Prem	1
Left	#12-004450050	0 Premature	1
Left	#12-004451100	1 Infant	1
Left	#12-004452200	2 Child	1
Left	#12-004453300	3 Medium Adult	1
Left	#12-004454400	4 Large Adult	1



### Oxiport Miller Fiber Optic Blade Non-Sterile

- Additional port for oxygen delivery
- Stainless steel
- Lamp is in fiber optic handle
- Green color coding

Light side	Item number	Size	Box
Left	#12-004457700	00 Small Prem.	1
Left	#12-004458800	0 Prem.	1



### Green spec Fiber Optic Handle Non-Sterile

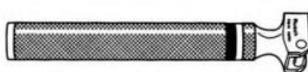
- Satin finish chrome plated brass
- Lamp supplied in handle
- Green color coding

Item number	Battery size	Size	Box
#12-004411100	2 x "CC"	Med/Standard	1
#12-004412200	2 X "AA"	Small/Penlight	1
#12-004413300	2 X "AA"	Stubby/Short	1

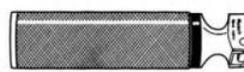
#12-004411100



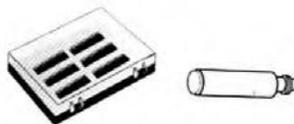
#12-004412200



#12-004413300



### Bulb for Green Spec System # 12-008322000 Non-Sterile lamp



#### NOTE:

Green coded systems worldwide are in general designed to interchange. However, differences in design give some variation in the strength of the locking action.

Interchanges well with other systems using locking balls on both sides of the blades, e.g. Heine, Propper.

Does not lock as firmly with single ball designs, e.g. Welch Allyn.

# Laryngoscopes/Fiber Optic



## FEATURES:

- Integral fiber bundle.
- 303/304 Surgical Stainless Steel.
- The lamp provides a very white, bright Light.
- No cracks or crevices to trap debris - helps to prevent cross contamination.
- Cleaning/Sterilization, no adverse effect in using ETO, steam autoclaving, or by soaking in Sporax, Cidex.
- Lamp is in the handle - providing a protected light source.
- Handles - four available: Medium, Penlight, Stubby and Large.
- Large Fiber Optic Bundles offer more light.
- Green Coded Fiber Optic Blades are compatible with Heine, AMS, Propper, Welch Allyn, Rüsch-Green Spec,<sup>®</sup> Anesthesia Associates - Greenline.

- Built with an integral extra large fiber optic bundle, providing more cool, white light.
- The design enables superior cleaning by elimination of cracks and crevices.
- Compatible with all "Green" Fiber Optic Systems.

## MACINTOSH

#53-5-5272-01	Green German F/O	Size 1
#53-5-5272-02	Green German F/O	Size 2
#53-5-5272-03	Green German F/O	Size 3
#53-5-5272-04	Green German F/O	Size 4

## MILLER

#53-5-5273-20	Green German F/O	Size 00
#53-5-5273-00	Green German F/O	Size 0
#53-5-5273-01	Green German F/O	Size 1
#53-5-5273-02	Green German F/O	Size 2
#53-5-5273-03	Green German F/O	Size 3
#53-5-5273-04	Green German F/O	Size 4

# Laryngoscopes/Fiber Optic

## FEATURES:

- Lightweight Stainless Steel Blades.
- No Electrical Contact in the Blade - More Reliable.
- New Fiber Optic Lamp - a Brighter, Cool, White Light.

**PLEASE NOTE:** Green Coded Fiber Optic Handles and Blades are compatible with the following companies "GREEN" System Manufacturers:

Welch Allyn, Rusch-Green Spec, Propper, Heine, AMS, Anesthesia Associates - Greenline



### MACINTOSH - AMERICAN PROFILE

			Overall Length
#53-5-5231-00	Newborn	Size 0	80mm
#53-5-5231-01	Infant	Size 1	87mm
#53-5-5231-02	Child	Size 2	108mm
#53-5-5231-03	Medium Adult	Size 3	128mm
#53-5-5231-04	Large Adult	Size 4	159mm
#53-5-5231-35	Ext. Medium Adult	Size 3.5	144mm

### MACINTOSH EXTENDED FLANGE - ENGLISH PROFILE

			Overall Length
#53-5-5232-01	Infant	Size 1	92mm
#53-5-5232-02	Child	Size 2	100mm
#53-5-5232-03	Medium Adult	Size 3	130mm
#53-5-5232-04	Adult	Size 4	155mm
#53-5-5232-05	Ext. Lg. Adult	Size 5	175mm
#53-5-5243-03	Left Hand Adult	Size 3	130mm



### MILLER - AMERICAN PROFILE

			Overall Length	
#53-5-5230-02	Child	Size 2	155mm	right illumination
#53-5-5230-03	Med. Adult	Size 3	195mm	right illumination
#53-5-5233-20	Premature	Size 00	67mm	left illumination
#53-5-5233-00	Newborn	Size 0	77mm	left illumination
#53-5-5233-01	Infant	Size 1	102mm	left illumination
#53-5-5233-02	Child	Size 2	153mm	left illumination
#53-5-5233-03	Medium Adult	Size 3	195mm	left illumination
#53-5-5233-04	Large Adult	Size 4	205mm	left illumination

### GREEN SYSTEMS FIBER OPTIC HANDLES

#53-5-0236-09	Medium (Standard) Handle	F/O
#53-5-0236-10	Penlight Handle	F/O
#53-5-0236-11	Stubby Handle	F/O
#53-5-0236-15	Large Handle	F/O
#53-5-0240-52	Lamp Xenon	3.5mm



# Laryngoscope Blades/Standard

## Miller



The most popular of the straight blade types. The side of the flange is reduced to minimize trauma and the curve at the beak or tip is extended to improve lifting of the epiglottis. These improvements facilitate greater exposure of the larynx in difficult-to-intubate patients.

## MacIntosh



The *MacIntosh* is the predominant choice of the curved blade types. During laryngoscopy, the tip or "beak" of the blade is compressed into the angle formed by the base of the tongue and the epiglottis (vallecula), indirectly raising the epiglottis.

The *MacIntosh Extended Flange* spatula of the blade has a smooth and gentle curve extending from the lock to the tip. In cross section, the construction resembles that of a Z flange, facilitating greater access during intubation.



## Wisconsin/Wis Hipple



The *Wisconsin Laryngoscope Blade* offers a straight spatula and a flange that expands slightly toward the distal portion of the blade. This feature increases the visual field and reduces the possibility of trauma during intubation.

### Miller - American Profile

Part #	Description	Size	Light Position	Overall Length
#53-5-5062-20	Premature	Size 00	Left	65mm
#53-5-5062-00	Neonate	Size 0	Left	75mm
#53-5-5062-01	Infant	Size 1	Left	102mm
#53-5-5062-02	Child	Size 2	Right	155mm
#53-5-5062-03	Med Adult	Size 3	Right	195mm
#53-5-5062-04	Lg Adult	Size 4	Right	205mm

### MacIntosh - American Profile

Part #	Description	Size	Light Position	Overall Length
#53-5-5052-00	Premature	Size 0	Left	80mm
#53-5-5052-01	Infant	Size 1	Left	87mm
#53-5-5052-02	Child	Size 2	Left	108mm
#53-5-5052-03	Med Adult	Size 3	Left	128mm
#53-5-5052-35	Adult	Size 3.5	Left	144mm
#53-5-5052-04	Adult	Size 4	Left	159mm

### MacIntosh-Extended Flange-English Profile

Part #	Description	Size	Light Position	Overall Length
#53-5-5051-00	Neonate	Size 0	Left	80mm
#53-5-5051-01	Infant	Size 1	Left	92mm
#53-5-5051-02	Child	Size 2	Left	100mm
#53-5-5051-03	Med Adult	Size 3	Left	130mm
#53-5-5051-04	Adult	Size 4	Left	155mm
#53-5-5051-05	X-Large Adult	Size 5	Left	175mm
#53-5-5053-03	Med Adult	Size 3	Right	130mm

### Wisconsin/Wis-Hipple

Part #	Description	Size	Light Position	Overall Length
#53-5-5057-00	Premature	Size 0	Left	76mm
#53-5-5057-01	Infant	Size 1	Left	102mm
#53-5-5057-15	Infant	Size 1.5	Left	115mm
#53-5-5057-02	Child	Size 2	Left	135mm
#53-5-5057-03	Med Adult	Size 3	Left	162mm
#53-5-5057-04	Lg Adult	Size 4	Left	199mm

# Laryngoscope Blades/Standard

## Oxiport Miller



The *Oxiport* is a modification of the Miller or MacIntosh Blade that allows an individual to perform a laryngoscopy and intubation with less risk of hypoxia. A tube is built into these blades that permits delivery of O<sub>2</sub> or other gas mixtures during intubation.

Part #	Description	Size
#53-5-3078-00	Premature	Size 0
#53-5-3078-01	Infant	Size 1

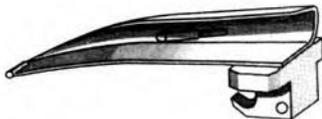
## Phillips



The *Phillips Laryngoscope® Blade* integrates the straight Jackson blade design with the curved distal tip Miller design, providing greater visibility and an almost direct line approach to the trachea during difficult intubations. Unique lamp mounting provides deep illumination downward and inward, while the low profile flange reduces the risk of oral damage.

Part #	Description	Size	Overall Length
#53-5-3073-01	Pediatric	Size 1	113mm
#53-5-3073-02	Adult	Size 2	166mm

## Robert Shaw



This blade for infants and children is gently curved over the distal third and is designed to lift the epiglottis indirectly in the manner of the Macintosh blade. The blade section permits binocular vision thus allowing better judgement of depth and consequently less risk of trauma.

Part #	Description	Size	Overall Length
#53-5-5077-00	Neonatal	Size 0	94mm
#53-5-5077-01	Infant	Size 1	112mm

## Huffman Prism



Clipped to the vertical wall of an Adult size 2, 3 or 4 MacIntosh Blade, this device is used when the view of the vocal cord is impaired during nasal intubation and for post-operating examination of the larynx. It consists of an optically polished prism which provides a refraction of 30°. To prevent condensation, warm the prism before use by immersing it, (attached to the laryngoscope) in water at about 48°C (120°F).

Part #	Description	Size
#53-5-0241-02	For MacIntosh	#2
#53-5-0241-03	For MacIntosh	#3.5
#53-5-0241-04	For MacIntosh	#4

# Laryngoscopes/Accessories



## HOWLAND LOCK #19-00-343

Natural lifting action simplifies laryngeal exposure, making intubation possible even in the most difficult cases. (Receding chin, anterior larynx, protruding teeth, "bull neck," facial contractures, decreased jaw mobility, etc). Built in leverage prevents prying and reduces the possible loss of broken teeth. Adapts to all types of hook-on laryngoscope handles and blades. Can often make an otherwise certain tracheostomy unnecessary.



## HUFFMAN STYLE PRISM

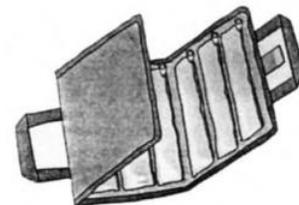
Clipped to the vertical wall of a MacIntosh Blade, this device is used when the view of the vocal cords is impaired during nasal intubation and for post-operating examination of the larynx. It consists of an optically polished prism which provides increased refraction.

To prevent condensation, warm the prism before use by immersing it (attached to the laryngoscope) in water at about 48° C (120° F).

- #19-003492 Fits MacIntosh #2
- #19-003493 Fits MacIntosh #3
- #19-003494 Fits MacIntosh #4
- #19-003495 Prism set includes 1 each of above.

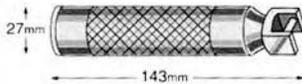
Carrying Case,  
Non-sterile.  
#12-008650-500

Holds up to nine pieces,  
blades or handles

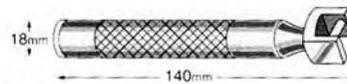


# Laryngoscope Blades/Handles

## WATERPROOF LARYNGOSCOPE BLADE HANDLES



(Handles manufactured to ASTM Standards)

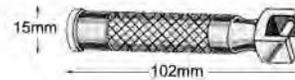
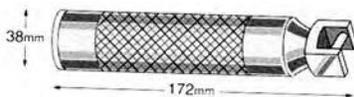


**#10-74300** Medium Handle (Waterproof)  
accepts two "C" batteries  
143mm

**#10-74302** Penlight Handle (Waterproof)  
accepts two "AA" batteries  
140mm

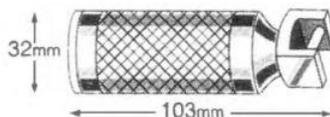
**#10-74015** Standard Medium Handle  
accepts two "C" batteries  
143mm

**#10-74115** Standard Penlight Handle  
accepts two "AA" batteries  
140mm



**#10-74114** Standard Handle  
accepts two "D" batteries  
172mm

**#10-74303** Stubby Penlight Handle (Waterproof)  
accepts two "N" batteries  
102mm



**#10-74400** Standard Stubby Penlight Handle  
accepts two "N" batteries  
102mm

**#10-743-04** Stubby Handle (Waterproof)  
accepts two "AA" batteries (103 mm)

**#10-743-09** Standard Stubby Handle  
accepts two "AA" batteries (103 mm)

## ADJUSTABLE PATIL - SYRACUSE HANDLE

This handle allows the blade to be positioned and locked in four different positions: 180°, 135°, 90°, standard or 45° (Howland Lock Angle). In the 180° position, the blade can be introduced parallel to the handle when extension of the neck is contraindicated because of cervical spine fractures or instability. Visualization of the larynx is also facilitated in obese patients or those in halo traction. In the 45° position, all advantages of the Howland Lock are achieved. The handle accepts two "AA" batteries and fits all hook-on type laryngoscope blades. The overall length and weight of the handle is approximately the same as that of a conventional handle.

**Adjustable Patil-Syracuse Handle**  
**#19-00-340**

