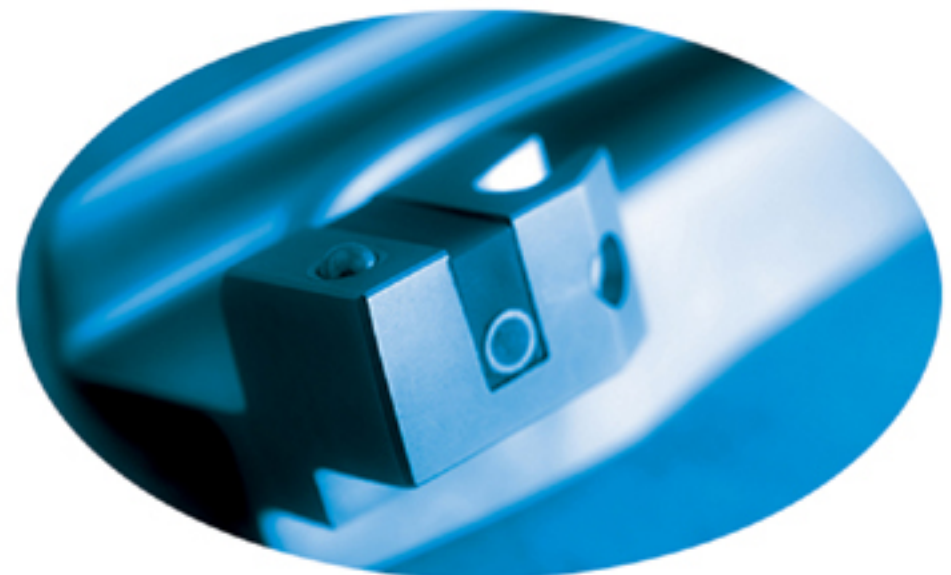
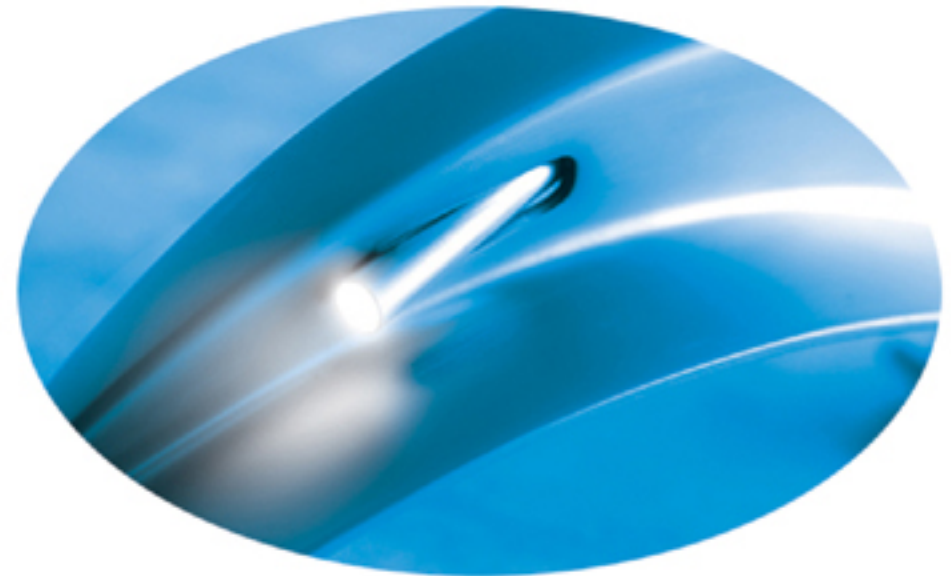




# Fiber Optic Green System Reusable Blades

## Macintosh Blades English Profile



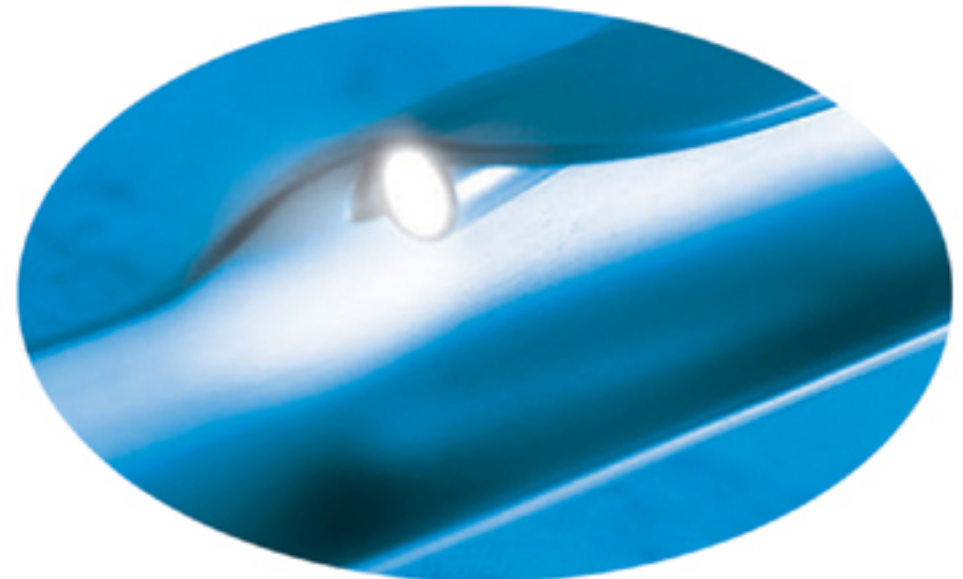
The English Macintosh is similar to the conventional Macintosh except that the flange is curved and lower at the handle end. Two studies have proved that this blade provided better results than other commonly used blades.

Code	Description	Blade Number	Size
EM-28-4001-01	Premature	01	68mm
EM-28-4001-02	Neonate	02	80mm
EM-28-4001-03	Infant	03	92mm
EM-28-4001-04	Child	04	105mm
EM-28-4001-05	Medium Adult	05	135mm
EM-28-4001-06	Large Adult	06	155mm
EM-28-4001-07	X-Large	07	175mm



# Fiber Optic Green System Reusable Blades

## Miller Blades English Profile



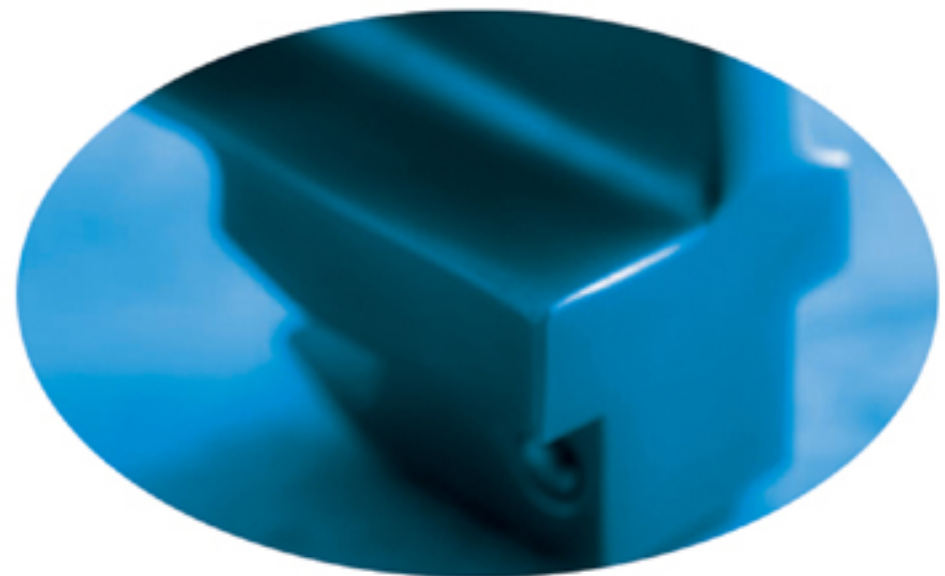
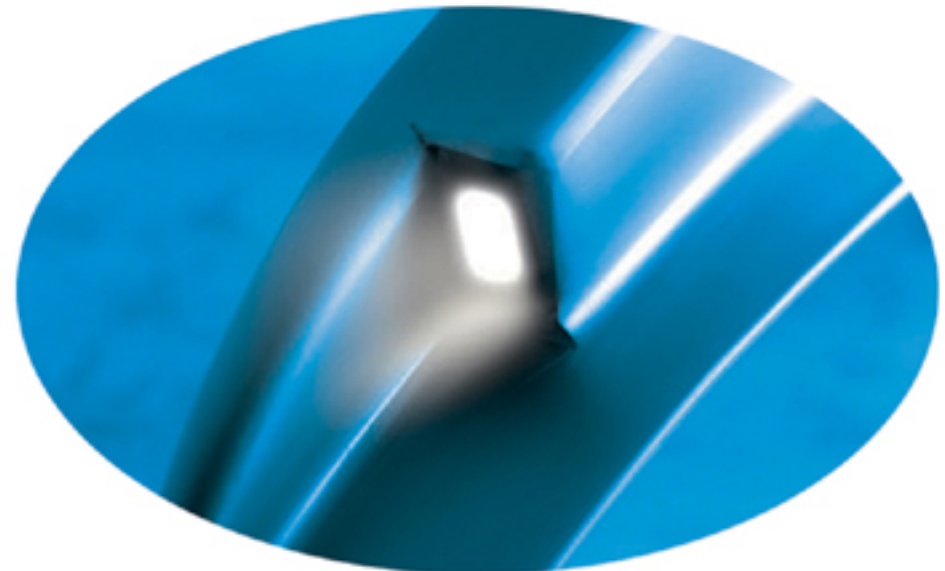
The Miller is one of the most popular blades. The tongue is straight with a slight upward curve near the tip. In cross-section the flange, web, and tongue form a C with the top fattened. Placing the bulb on the right side allows it to be protected by the flange. Several modifications have been described. In comparing the Macintosh and Miller blades, it was found that force, head extension and cervical spine movement were less with the Miller.

Code	Description	Blade Number	Size
EM-28-4002-01	Premature	01	65mm
EM-28-4002-02	Neonate	02	78mm
EM-28-4002-03	Infant	03	102mm
EM-28-4002-04	Child	04	154mm
EM-28-4002-05	Medium Adult	05	195mm
EM-28-4002-06	Large Adult	06	205mm



# Fiber Optic Green System Reusable Blades

Macintosh Blades Mega Line



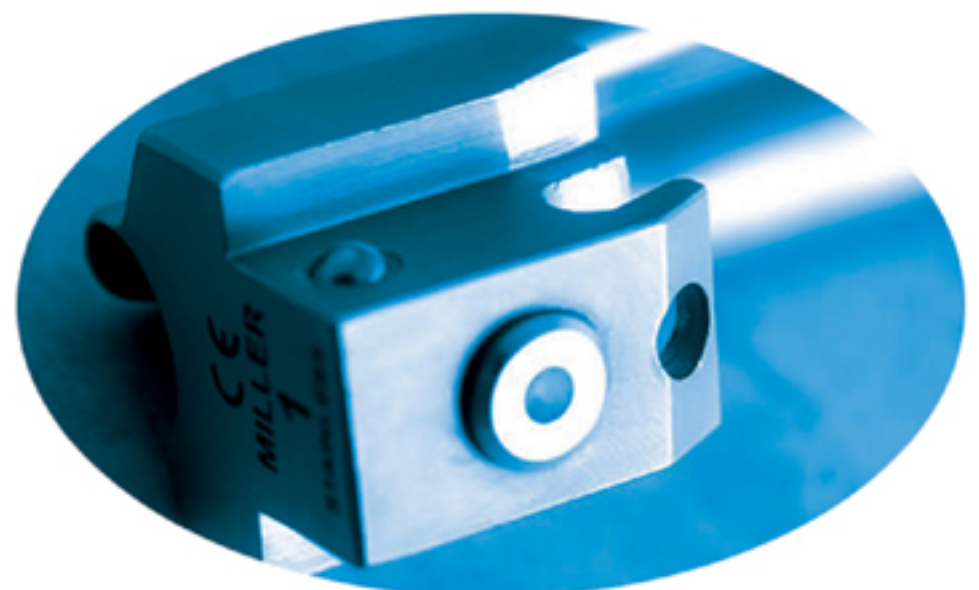
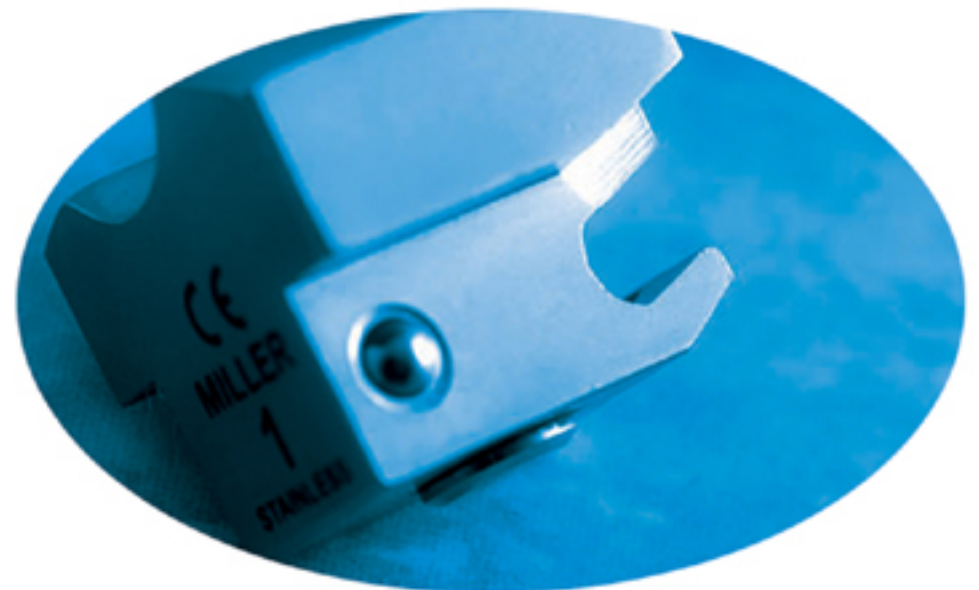
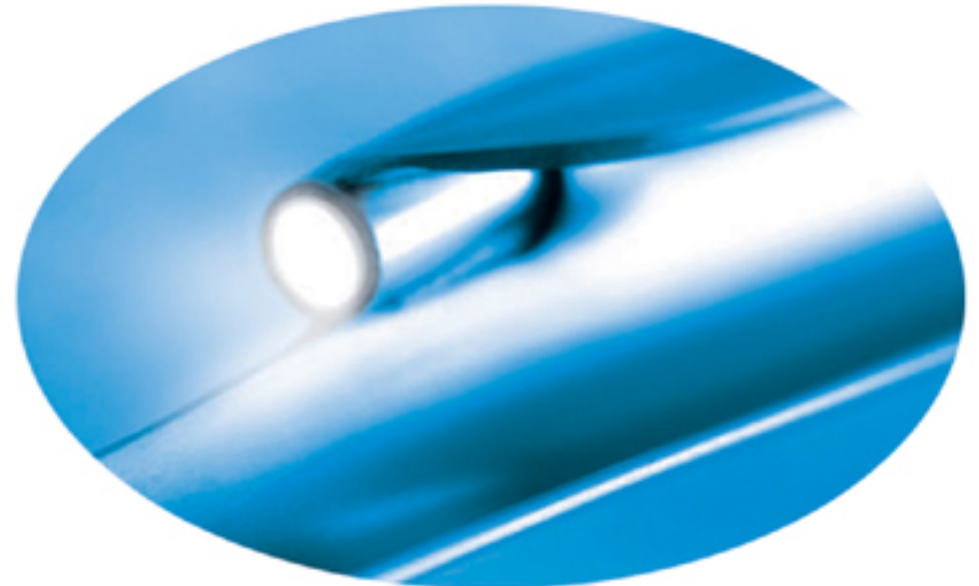
- Specially designed and constructed with high quality stainless steel AISI 304.
- High quality German optical fibers loaded with 4.5mm bundle for best optimum light transmission.
- Exceptionally high light intensity with LED illumination (8000-10000 LUX).
- With this integrated FO light conductor, there are no extra cavities or light path to become contaminated.
- Smooth and low profile blade design which gives no chance of damaging teeth and upper part of mouth.
- Integrated light guide blade design for quick cleaning and sterilization without extra effort for connecting screw.
- Compatible with all handles of ISO 7376 (Green System).
- Autoclaving at 134 °C /5 min. maximum light output with 3000-4000 cycles.

Code	Description	Blade Number	Size
EM-28-4003-01	Neonate	01	80mm
EM-28-4003-02	Infant	02	93mm
EM-28-4003-03	Child	03	114mm
EM-28-4003-04	Medium Adult	04	135mm
EM-28-4003-05	Large Adult	05	155mm
EM-28-4003-06	X-Large	06	175mm



# Fiber Optic Green System Reusable Blades

Miller Blades Mega Line



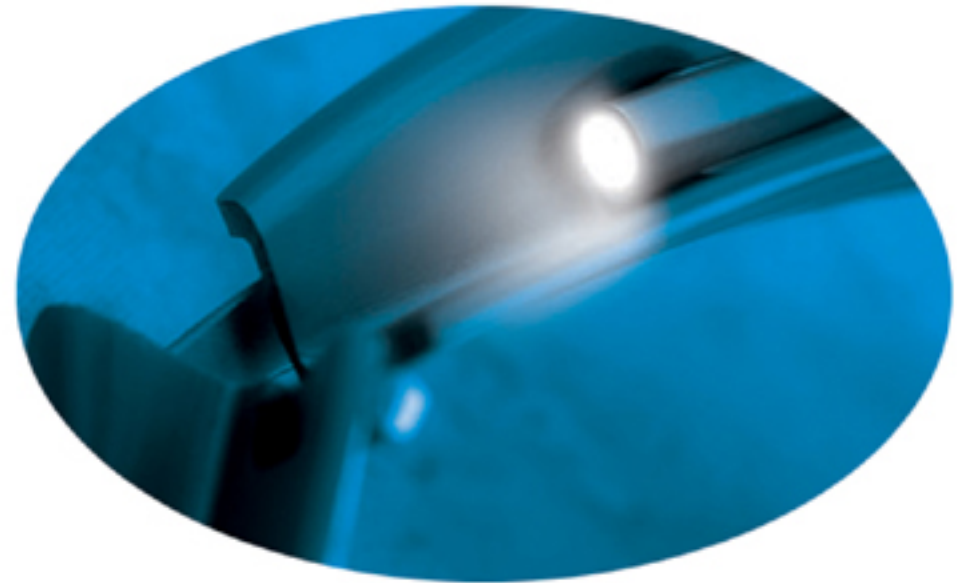
- Specially designed and constructed with high quality stainless steel AISI 304.
- High quality German optical fibers loaded with 4.5mm bundle for best optimum light transmission.
- Exceptionally high light intensity with LED illumination (8000-10000 LUX).
- With this integrated FO light conductor, there are no extra cavities or light path to become contaminated.
- Smooth and low profile blade design which gives no chance of damaging teeth and upper part of mouth.
- Integrated light guide blade design for quick cleaning and sterilization without extra effort for connecting screw.
- Compatible with all handles of ISO 7376 (Green System).
- Autoclaving at 134 °C /5 min. maximum light output with 3000-4000 cycles.

Code	Description	Blade Number	Size
EM-28-4004-01	Premature	01	65mm
EM-28-4004-02	Neonate	02	78mm
EM-28-4004-03	Infant	03	102mm
EM-28-4004-04	Child	04	154mm
EM-28-4004-05	Medium Adult	05	195mm
EM-28-4004-06	Large Adult	06	205mm



# Fiber Optic Green System Reusable Blades

MacFlex Fiber Optic Laryngoscope Blades



These blades have a flexible tip that is controlled by a lever attached to the proximal end of the blade. When the lever is pushed toward the handle, the tip of the blade is flexed. This laryngoscope may be helpful when a difficult intubation is encountered. It may be especially useful in patients with minimal neck movement. External laryngeal pressure may further improve the view. However, it will not always improve the view and may worsen it. Even if the blade does not improve the view of the larynx, it may improve the likelihood of successful intubation by elevating the epiglottis. In some patients in whom the view is satisfactory with the Macintosh blade, use of the Flexible tip blade may make the view worse.

Code	Description	Blade Number	Size
EM-28-4005-01	Child	01	105mm
EM-28-4005-02	Medium Adult	02	130mm
EM-28-4005-03	Large Adult	03	155mm



# Fiber Optic Green System Reusable Blades

Mega MacFlex Blades, Fiber Optic, German Profile



These blades have a flexible tip that is controlled by a lever attached to the proximal end of the blade. When the lever is pushed toward the handle, the tip of the blade is flexed. This laryngoscope may be helpful when a difficult intubation is encountered. It may be especially useful in patients with minimal neck movement. External laryngeal pressure may further improve the view. However, it will not always improve the view and may worsen it. Even if the blade does not improve the view of the larynx, it may improve the likelihood of successful intubation by elevating the epiglottis. In some patients in whom the view is satisfactory with the Macintosh blade, use of the Flexible tip blade may make the view worse.

Code	Description	Blade Number	Size
EM-28-4006-01	Child	01	108mm
EM-28-4006-02	Medium Adult	02	130mm
EM-28-4006-03	Large Adult	03	155mm



# Green System Fiber Optic laryngoscope Sets

## Macintosh Fiber Optic Xenon Laryngoscope Sets, English Profile

Code	Description
EM-28-4006-01	Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
EM-28-4006-02	Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
EM-28-4006-03	Set of 6 Blades 0,1,2,3,4,5 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.



## Miller Fiber Optic Xenon Laryngoscope Sets, English Profile

Code	Description
EM-28-4007-01	Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
EM-28-4007-02	Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
EM-28-4007-03	Set of 6 Blades 00,0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.

## MacFlex Fiber Optic Xenon Laryngoscope Set, English Profile

Code	Description
EM-28-4008-01	Set of 2 Blades 3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.

## MacFlex Fiber Optic LED Laryngoscope Set, English Profile

Code	Description
EM-28-4009-01	MacFlex F.O LED Laryngoscope Set of 2 Blades 3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.

## Macintosh Fiber Optic LED Laryngoscope Sets, English Profile

Code	Description
EM-28-4010-01	Mac F.O LED Laryngoscope Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
EM-28-4010-02	Mac F.O LED Laryngoscope Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
EM-28-4010-03	Mac F.O LED Laryngoscope Set of 6 Blades 0,1,2,3,4,5 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.

## Miller Fiber Optic LED Laryngoscope Sets, English Profile

Code	Description
EM-28-4011-01	Miller F.O LED Laryngoscope Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
EM-28-4011-02	Miller F.O LED Laryngoscope Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
EM-28-4011-03	Miller F.O LED Laryngoscope Set of 6 Blades 00,0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.

## Mega MacFlex Fiber Optic Xenon Laryngoscope Set, German Profile

Code	Description
EM-28-4012-01	Set of 2 Blades 3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.

## Maga MacFlex LED Laryngoscope Set, German Profile

Code	Description
EM-28-4013-01	Set of 2 Blades 3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.





# Battery Handles & Replacement Light Guides For Green System Fiber Optic laryngoscope

- Diamond knurled barrel gives strong grip to the user.
- LED brighter illumination with 80,000 LUX.
- LED operating time over 50,000 hrs.
- 2hrs operating time at maximum illumination.
- Viewing angle at 130 with color temperature color temperature 6500K.
- Conforms to all Green System blades as per ISO 7376 standard.
- Simple change of batteries at the base of the handle.
- Crafted from high quality chrome plated brass.
- Battery usage is minimized due to the low power consumption.
- Fully autoclavable @ 134° C for 5 minutes.



## Battery Handles Fiber Optic Xenon, Stainless Steel

Code	Description	Battery	Size
EM-28-4014-01	Infant	1xLithium 123 Size	122mm
EM-28-4014-01	Stubby	2xAA Size	125mm
EM-28-4014-01	Pediatric	2xAA Size	160mm
EM-28-4014-01	Medium	2xC Size	160mm
EM-28-4014-01	Large	2xD Size	175mm

## Battery Handles Fiber Optic Xenon Brass Chrome Plated

Code	Description	Battery	Size
EM-28-4015-01	Infant	1xLithium 123 Size	122mm
EM-28-4015-01	Stubby	2xAA Size	125mm
EM-28-4015-01	Pediatric	2xAA Size	160mm
EM-28-4015-01	Medium	2xC Size	160mm
EM-28-4015-01	Large	2xD Size	175mm



## Battery Handles Fiber Optic LED, Stainless Steel

Code	Description	Battery	Size
EM-28-4016-01	Infant	1xLithium 123 Size	122mm
EM-28-4016-01	Stubby	2xAA Size	125mm
EM-28-4016-01	Pediatric	2xAA Size	160mm
EM-28-4016-01	Medium	2xC Size	160mm
EM-28-4016-01	Large	2xD Size	175mm

## Battery Handles Fiber Optic LED Brass Chrome Plated

Code	Description	Battery	Size
EM-28-4017-01	Infant	1xLithium 123 Size	122mm
EM-28-4017-01	Stubby	2xAA Size	125mm
EM-28-4017-01	Pediatric	2xAA Size	160mm
EM-28-4017-01	Medium	2xC Size	160mm
EM-28-4017-01	Large	2xD Size	175mm

## Replacement Lamps

Code	Description	Voltage
EM-28-4018-01	Xenon	2.5V
EM-28-4018-01	LED	3.0V
EM-28-4018-01	Halogen	2.5V
EM-28-4018-01	Halogen	3.5V

## Replacement Fiber Optic light Guides English Profile (4mm)

Code	Description	For Blades
EM-28-4019-01	Miller Blade	01
EM-28-4019-02	Miller Blade	02
EM-28-4019-03	Miller Blade	03
EM-28-4019-04	Miller Blade	04
EM-28-4019-05	Miller Blade	05
EM-28-4019-06	Miller Blade	06
EM-28-4020-01	Macintosh Blade	01
EM-28-4020-02	Macintosh Blade	02
EM-28-4020-03	Macintosh Blade	03
EM-28-4020-04	Macintosh Blade	04
EM-28-4020-05	Macintosh Blade	05
EM-28-4020-06	Macintosh Blade	06

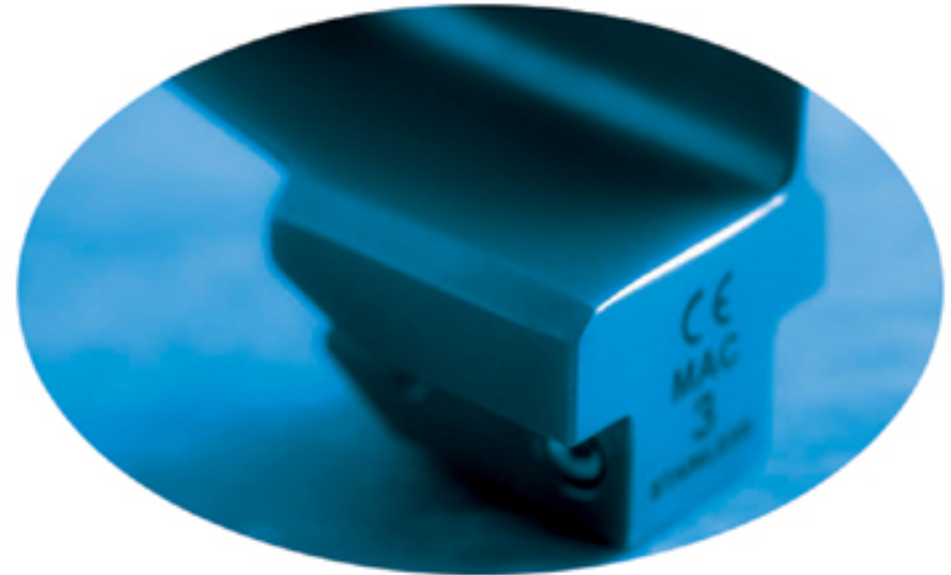
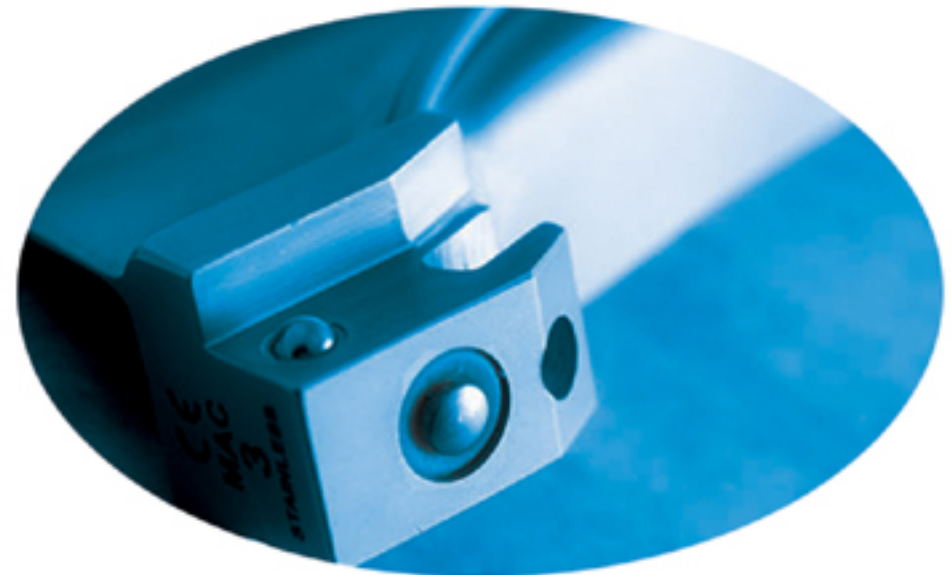
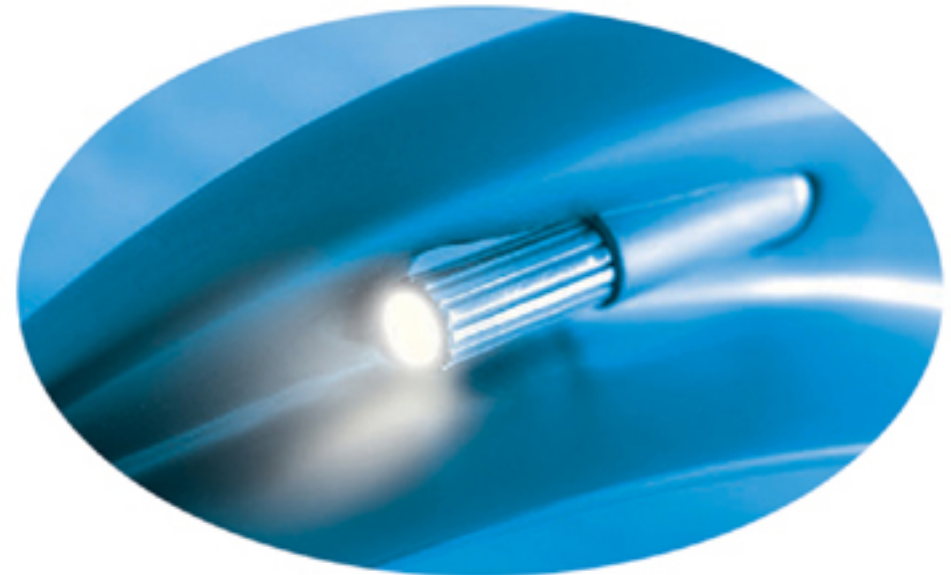






# Standard Conventional Reusable Blades

## Macintosh Blades English Profile



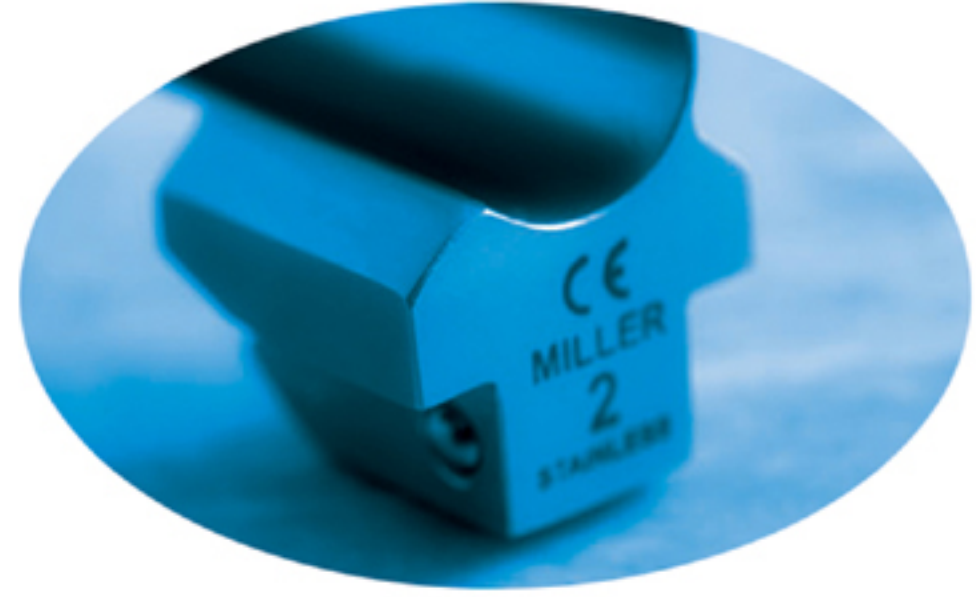
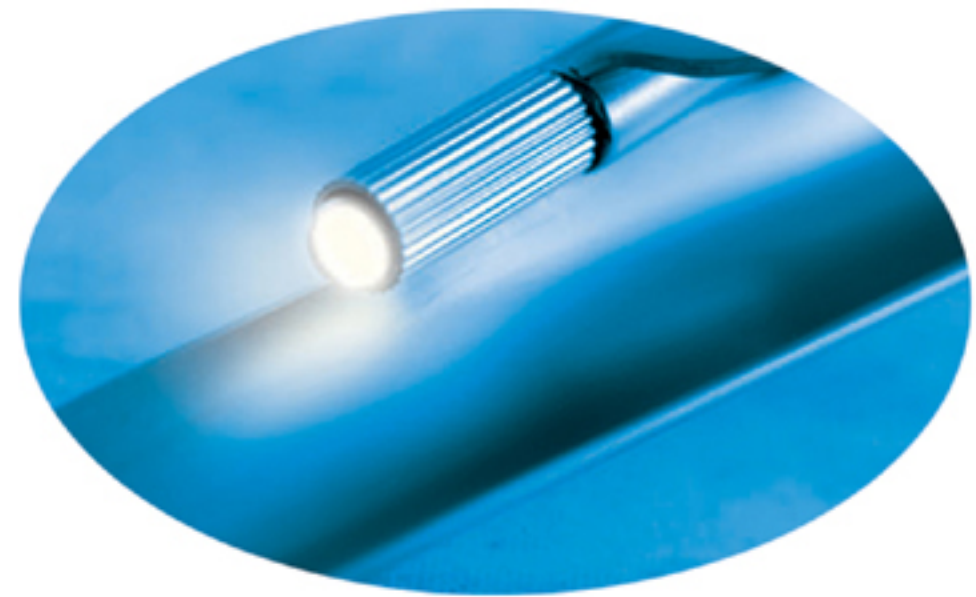
The English Macintosh is similar to the conventional Macintosh except that the flange is curved and lower at the handle end. Two studies have proved that this blade provided better results than other commonly used blades.

Code	Description	Blade Number	Size
EM-28-4021-01	Premature	01	68mm
EM-28-4021-02	Neonate	02	80mm
EM-28-4021-03	Infant	03	95mm
EM-28-4021-04	Child	04	105mm
EM-28-4021-05	Medium Adult	05	135mm
EM-28-4021-5.5	Ext. Medium Adult	5.5	145mm
EM-28-4021-06	Large Adult	06	155mm
EM-28-4021-07	X-Large	07	175mm



# Standard Conventional Reusable Blades

## Miller Blades English Profile



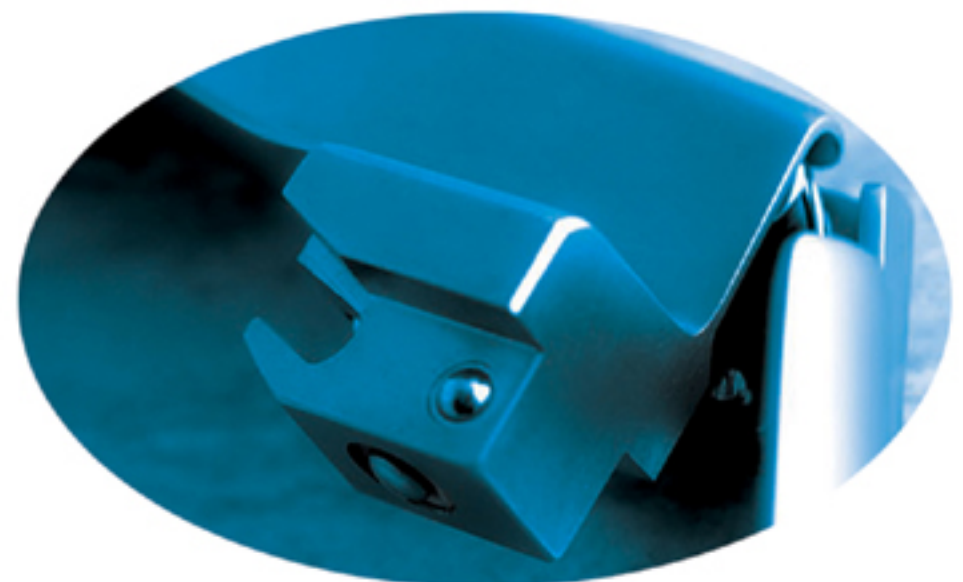
"The Miller is one of the most popular blades. The tongue is straight with a slight upward curve near the tip. In cross-section the flange, web, and tongue form a C with the top fattened. Placing the bulb on the right side allows it to be protected by the flange. Several modifications have been described. In comparing the Macintosh and Miller blades, it was found that force head extension and cervical spine movement were less with the Miller."

Code	Description	Blade Number	Size
EM-28-4022-01	Premature	01	65mm
EM-28-4022-02	Neonate	02	78mm
EM-28-4022-03	Infant	03	102mm
EM-28-4022-04	Child	04	154mm
EM-28-4022-05	Medium Adult	05	195mm
EM-28-4022-06	Large Adult	06	205mm



# Standard Conventional Reusable Blades

## MacFlex Blades English Profile



These blades have a flexible tip that is controlled by a lever attached to the proximal end of the blade. When the lever is pushed toward the handle, the tip of the blade is flexed. This laryngoscope may be helpful when a difficult intubation is encountered. It may be especially useful in patients with minimal neck movement. External laryngeal pressure may further improve the view. However, it will not always improve the view and may worsen it. Even if the blade does not improve the view of the larynx, it may improve the likelihood of successful intubation by elevating the epiglottis. In some patients in whom the view is satisfactory with the Macintosh blade, use of the Flexible tip blade may make the view worse.

Code	Description	Blade Number	Size
EM-28-4023-01	Child	01	105mm
EM-28-4023-02	Medium Adult	02	130mm
EM-28-4023-03	Large Adult	03	155mm



# Standard Conventional Laryngoscope Sets

## Standard Conventional Laryngoscope Sets

### Macintosh Conventional Laryngoscope Sets, English Profile



Code	Description
EM-28-4024-01	Mac Conventional Laryngoscope Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
EM-28-4024-02	Mac Conventional Laryngoscope Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
EM-28-4024-03	Mac Conventional Laryngoscope Set of 6 Blades 00,0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.

### Miller Conventional Laryngoscope Sets, English Profile



Code	Description
EM-28-4025-01	Miller Conventional Laryngoscope Sets Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp in Plastic Case.
EM-28-4025-02	Miller Conventional Laryngoscope Sets Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.
EM-28-4025-03	Miller Conventional Laryngoscope Sets Set of 6 Blades 00,0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp, in Plastic Case.



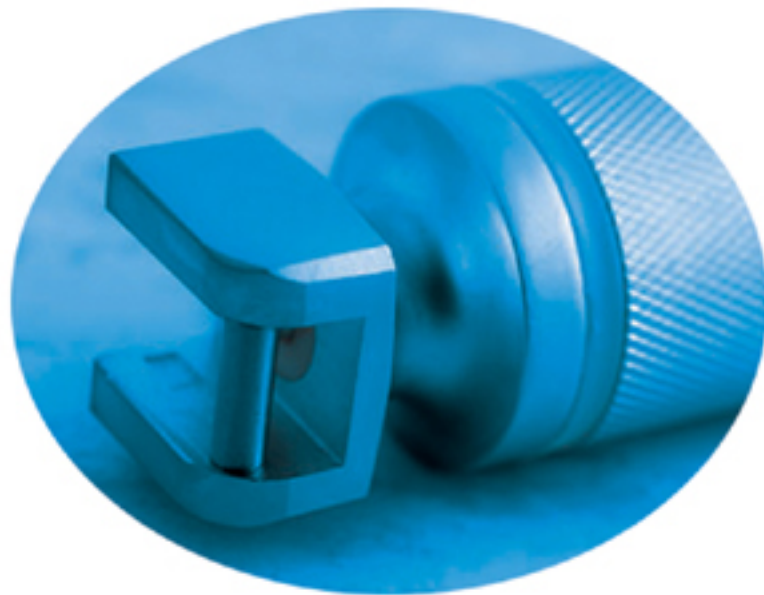
# Battery Handles & Replacement Lamps for Conventional Laryngoscope

- Diamond knurled barrel gives strong grip to the user.
- Conforms to all conventional blades as per ISO 7376 standard.
- Simple change of batteries at the base of the handle.
- Crafted from high quality chrome plated brass.
- Economical solution for intubation as compare to green system.
- Fully autoclavable @ 134° C for 5 minutes.



## Battery Handles Stainless Steel

Code	Description	Battery	Size
EM-28-4026-01	Infant	1xLithium 123 Size	110mm
EM-28-4026-02	Stubby	2xAA Size	115mm
EM-28-4026-03	Pediatric	2xAA Size	145mm
EM-28-4026-04	Medium	2xC Size	150mm
EM-28-4026-05	Large	2xD Size	165mm



## Battery Handles Brass Chrome Plated

Code	Description	Battery	Size
EM-28-4027-01	Infant	1xLithium 123 Size	110mm
EM-28-4027-02	Stubby	2xAA Size	115mm
EM-28-4027-03	Pediatric	2xAA Size	145mm
EM-28-4027-04	Medium	2xC Size	150mm
EM-28-4027-05	Large	2xD Size	165mm

## Replacement Lamp for Conventional Laryngoscope

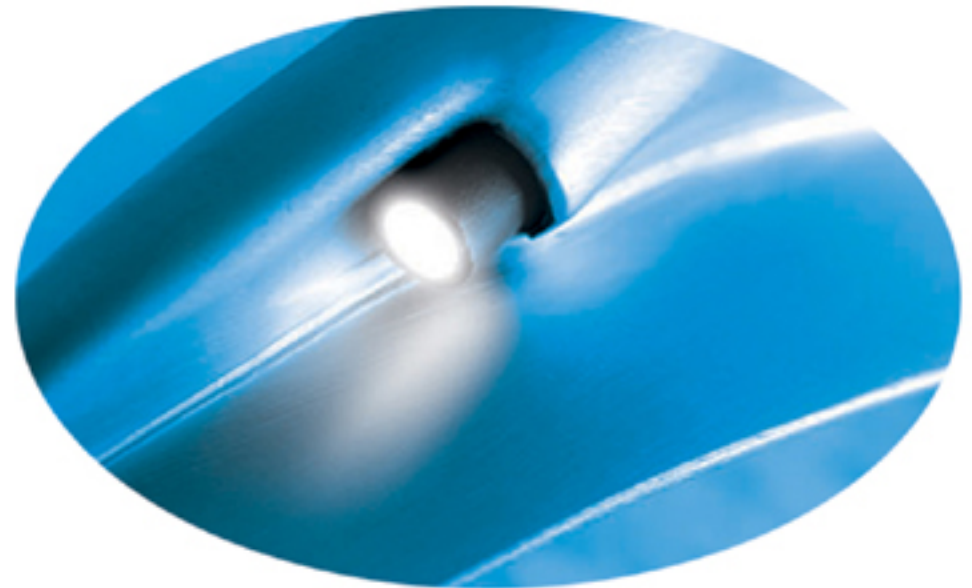


Code	Description	Clear/Frosted
EM-28-4028-01	Small	Clear
EM-28-4028-02	Adult	Clear
EM-28-4028-03	Small	Frosted
EM-28-4028-04	Adult	Frosted



# Fiber Optic Green System Disposable Blades

Macintosh Blades, Fiber Optic Acrylic, Semimetal

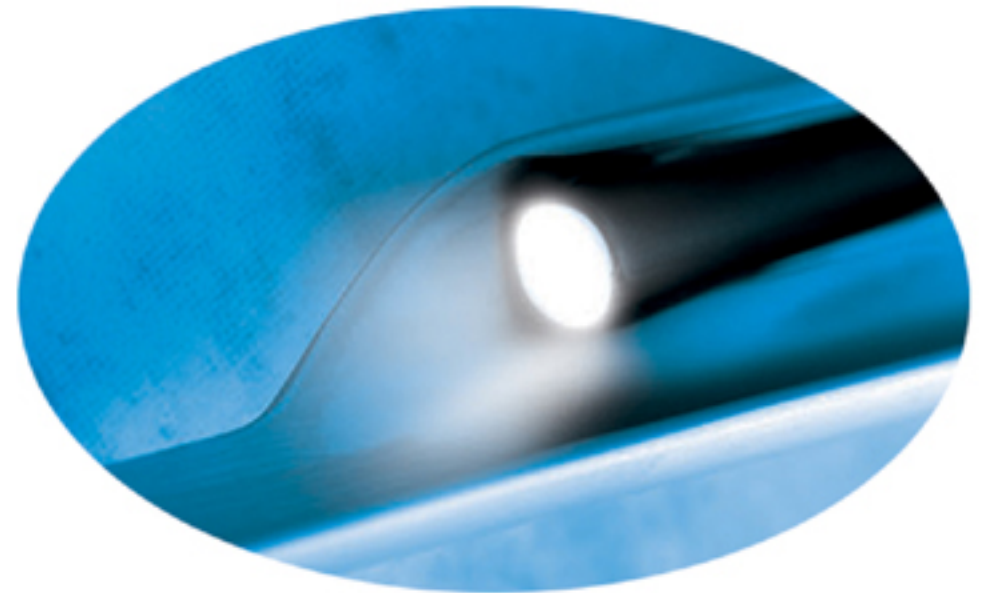


Code	Description	Blade Number	Size
EM-28-4029-01	Infant	01	95mm
EM-28-4029-02	Child	02	105mm
EM-28-4029-03	Medium Adult	03	135mm
EM-28-4029-3.5	Ext. Medium Adult	3.3	145mm
EM-28-4029-04	Large Adult	04	155mm
EM-28-4029-05	X-Large	05	175mm



# Fiber Optic Green System Disposable Blades

Miller Blades, Fiber Optic Acrylic, Semimetal

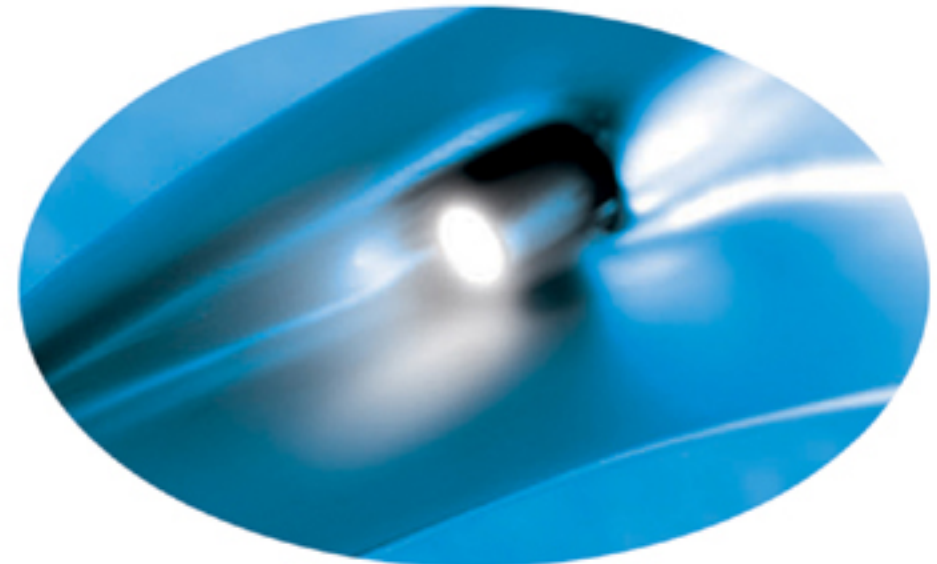


Code	Description	Blade Number	Size
EM-28-4030-01	Premature	01	65mm
EM-28-4030-02	Neonate	02	78mm
EM-28-4030-03	Infant	03	102mm
EM-28-4030-04	Child	04	154mm
EM-28-4030-05	Medium Adult	05	195mm
EM-28-4030-06	Large Adult	06	205mm



# Fiber Optic Green System Disposable Blades

Macintosh Blades Fiber Optic Acrylic, Metallic



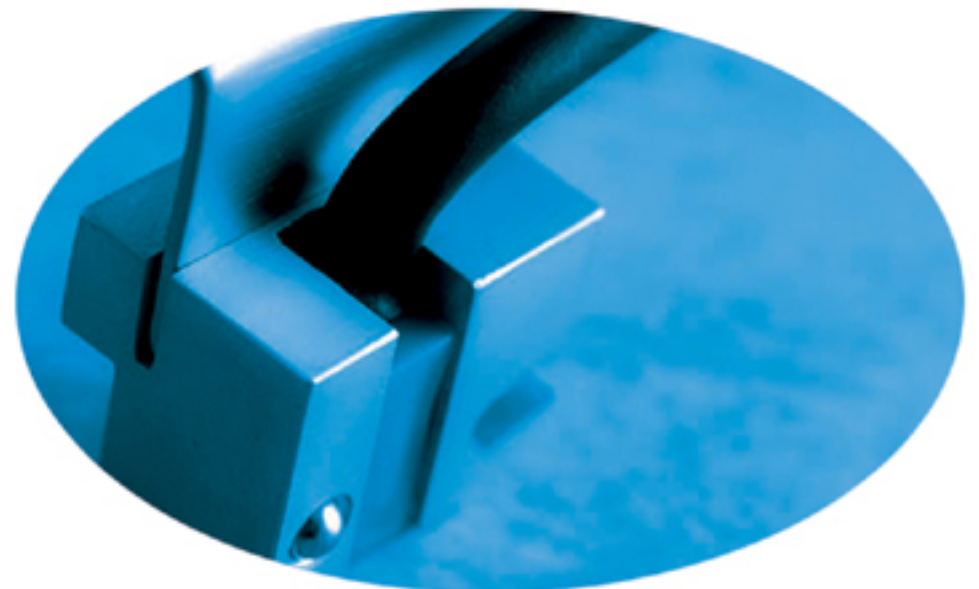
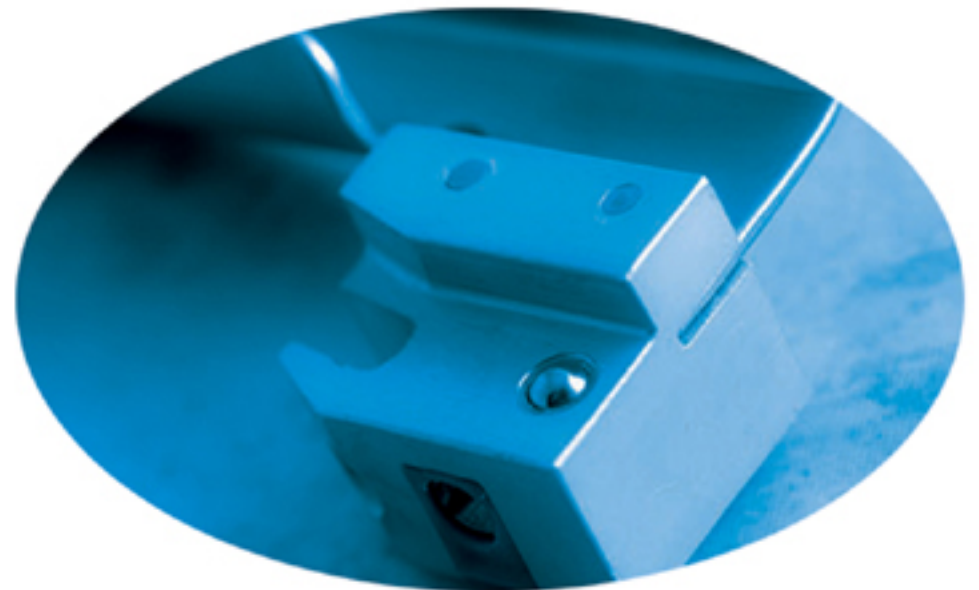
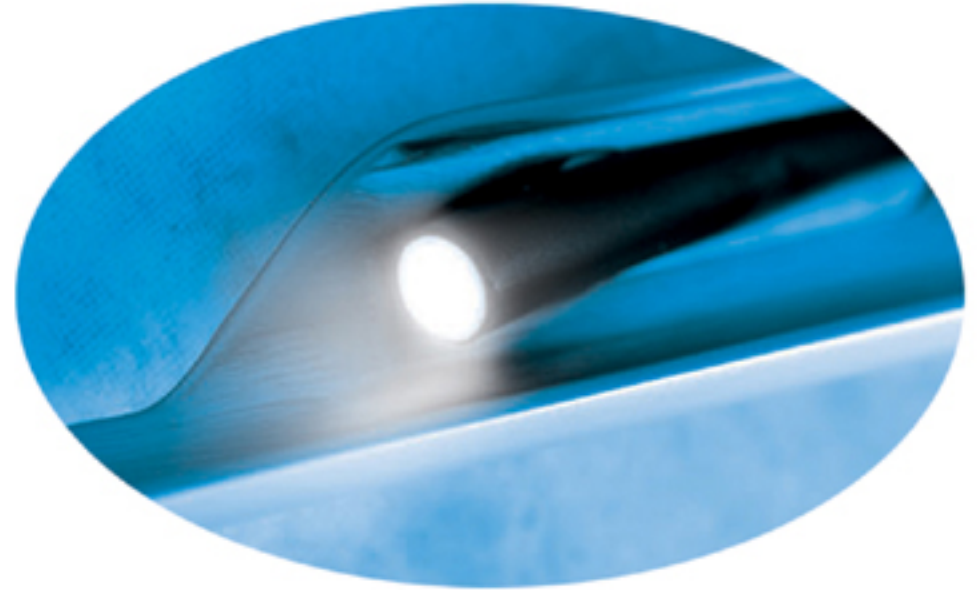
Code	Description	Blade Number	Size
EM-28-4031-01	Infant	01	95mm
EM-28-4031-02	Child	02	105mm
EM-28-4031-03	Medium Adult	03	135mm
EM-28-4031-3.5	Ext. Medium Adult	3.5	145mm
EM-28-4031-04	Large Adult	04	155mm
EM-28-4031-05	X-Large	05	175mm





# Fiber Optic Green System Disposable Blades

Miller Blades Fiber Optic Acrylic, Metallic



Code	Description	Blade Number	Size
EM-28-4032-01	Premature	01	65mm
EM-28-4032-02	Neonate	02	78mm
EM-28-4032-03	Infant	03	102mm
EM-28-4032-04	Child	04	154mm
EM-28-4032-05	Medium Adult	05	195mm
EM-28-4032-06	Large Adult	06	205mm



# Fiber Optic Green System Disposable Blades

Macintosh & Macflex Blades

- Molded from highly rigid plastic material which makes it unbreakable
- Single patient use only
- Especially very effective under emergency situations.
- Green system no direct contact of light.
- Low cost price with high quality
- Round tip helps reduce trauma
- Plastic optically fiber 5mm dia gives clear and maximum illumination.
- Available in all sizes of Macintosh and Miller
- Hygienically safe in use
- Fully conforms to ISO 7376 and existing handles
- Individually packed and labeled

## Macintosh Blades, Fiber Optic Acrylic, Full-Plastic



Code	Description	Blade Number	Size
EM-28-4034-01	Infant	01	95mm
EM-28-4034-02	Child	02	115mm
EM-28-4034-03	Medium Adult	03	135mm
EM-28-4034-04	Large Adult	04	155mm

## Miller Blades Fiber Optic Acrylic, Full-Plastic



Code	Description	Blade Number	Size
EM-28-4035-01	Neonate	01	80mm
EM-28-4035-02	Infant	02	105mm
EM-28-4035-03	Child	03	155mm
EM-28-4035-04	Medium Adult	04	195mm
EM-28-4035-05	Large Adult	05	205mm

## MacFlex Blades, Fiber Optic Acrylic, Full-Metalic



- Very useful while a difficult intubation is encountered.
- Less force required to view the larynx as compare to normal Macintosh blades.
- Single patient use only.
- Especially very effective during minimal neck movement of the patient.
- Stainless steel spatula and aluminum heel makes, practically unbreakable.
- Low cost price with high quality.
- Round tip helps reduce trauma.
- Plastic optically fiber 5mm dia gives clear and maximum illumination.
- Supplied surgically cleaned
- Hygienically safe in use
- Fully conforms to ISO 7376 and existing handles
- Individually packed and labeled
- Low profile shape of blades protects the patient from upper part of teeth.

Code	Description	Blade Number	Size
EM-28-4036-01	Child	01	105mm
EM-28-4036-02	Medium Adult	02	135mm
EM-28-4036-03	Large Adult	03	155mm



# Battery Handles For Green System

Disposable Fiber Optic Laryngoscope

- Knurled barrel gives strong grip to the user.
- Single patient use only
- LED light source with 25000 LUX
- LED handles with built in batteries
- Available in fullmetal and semimetal construction.
- Very economical in pricing with high quality
- Crafted from light weight aluminium metal.
- Supplied surgically clean which makes it hygienically safe in use.
- Fully conforms to ISO 7376 and existing blades as well.
- Individually packed and labeled.



## Battery Handles Fiber Optic LED, Semimetal with Batteries

Code	Description	Battery	Size
EM-28-4037-01	Infant		115mm
EM-28-4037-02	Pediatric		150mm
EM-28-4037-03	Medium		150mm



## Battery Handles Fiber Optic LED, Metallic with Batteries

Code	Description	Battery	Size
EM-28-4038-01	Infant		115mm
EM-28-4038-02	Pediatric		150mm
EM-28-4038-03	Medium		150mm



## Battery Handles Fiber Optic LED, Semimetal without Batteries

Code	Description	Battery	Size
EM-28-4039-01	Infant		115mm
EM-28-4039-02	Pediatric		150mm
EM-28-4039-03	Medium		150mm



## Battery Handles Fiber Optic LED, Metallic without Batteries

Code	Description	Battery	Size
EM-28-4040-01	Infant		115mm
EM-28-4040-02	Pediatric		150mm
EM-28-4040-03	Medium		150mm



## Disposable Metallic Kits (Battery Included)



Code	Description
EM-28-4041-01	Miller Blade 00 with Battery Handle Med
EM-28-4041-02	Miller Blade 0 with Battery Handle Med
EM-28-4041-03	Miller Blade 1 with Battery Handle Med
EM-28-4041-04	Miller Blade 2 with Battery Handle Med
EM-28-4041-05	Miller Blade 3 with Battery Handle Med
EM-28-4041-06	Miller Blade 4 with Battery Handle Med

Code	Description
EM-28-4042-01	Mac Blade 0 with Battery Handle Med
EM-28-4042-02	Mac Blade 1 with Battery Handle Med
EM-28-4042-03	Mac Blade 2 with Battery Handle Med
EM-28-4042-04	Mac Blade 3 with Battery Handle Med
EM-28-4042-05	Mac Blade 4 with Battery Handle Med
EM-28-4042-06	Mac Blade 5 with Battery Handle Med



## Disposable Metallic Kits (W/O Batteries)

Code	Description
EM-28-4043-01	Miller Blade 00 with Battery Handle Med
EM-28-4043-02	Miller Blade 0 with Battery Handle Med
EM-28-4043-03	Miller Blade 1 with Battery Handle Med
EM-28-4043-04	Miller Blade 2 with Battery Handle Med
EM-28-4043-05	Miller Blade 3 with Battery Handle Med
EM-28-4043-06	Miller Blade 4 with Battery Handle Med
EM-28-4043-07	

Code	Description
EM-28-4044-01	Mac Blade 0+Battery Handle Med
EM-28-4044-02	Mac Blade 1+Battery Handle Med
EM-28-4044-03	Mac Blade 2+Battery Handle Med
EM-28-4044-04	Mac Blade 3+Battery Handle Med
EM-28-4044-05	Mac Blade 4+Battery Handle Med
EM-28-4044-06	Mac Blade 5+Battery Handle Med
EM-28-4044-07	

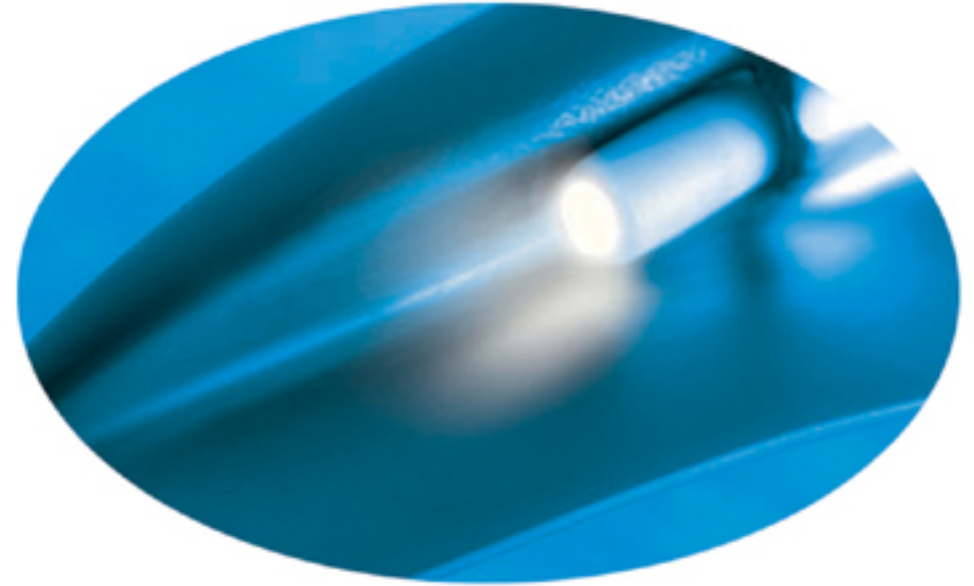
## Replacement LED Capsule

Code	Description
EM-28-4045-01	Replacement LED capsule



# Conventional Disposable Blades

Macintosh Blades LED, Semimetal

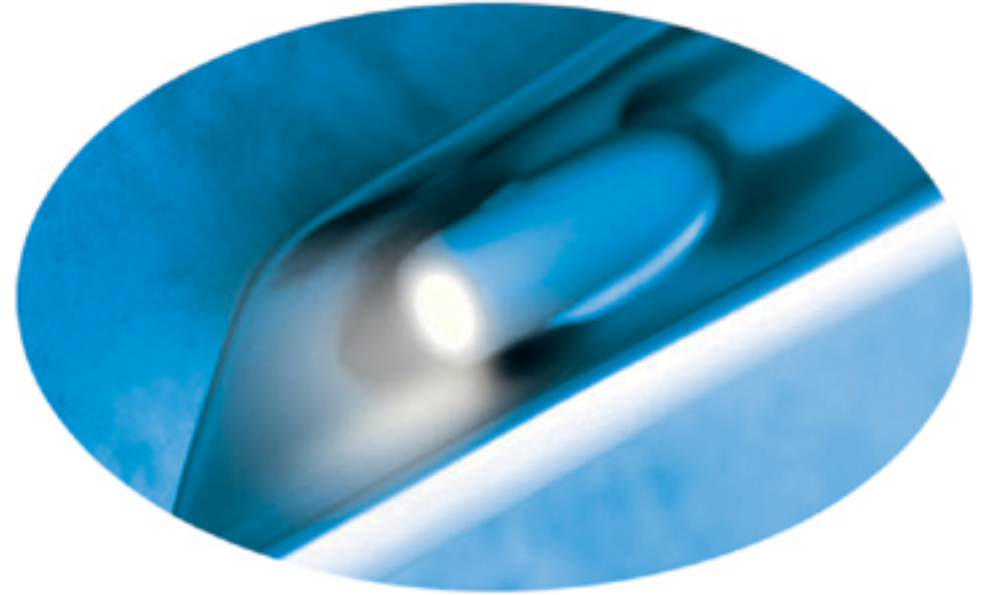


Code	Description	Blade Number	Size
EM-28-4046-01	Infant	01	95mm
EM-28-4046-02	Child	02	105mm
EM-28-4046-03	Medium Adult	03	135mm
EM-28-4046-04	Large Adult	04	155mm
EM-28-4046-05	X-Large	05	175mm



# Conventional Disposable Blades

Miller Blades LED, Semimetal

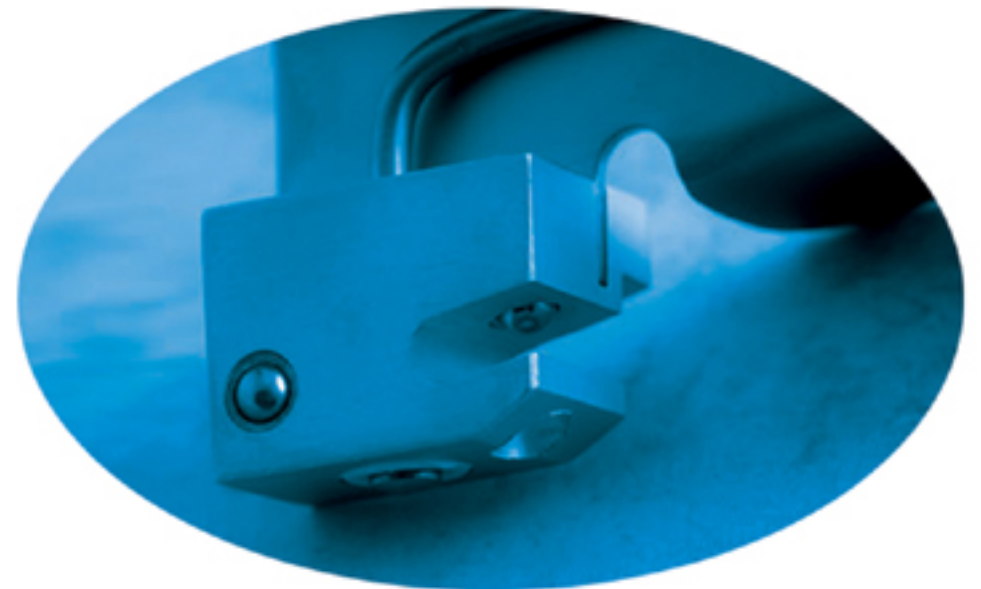
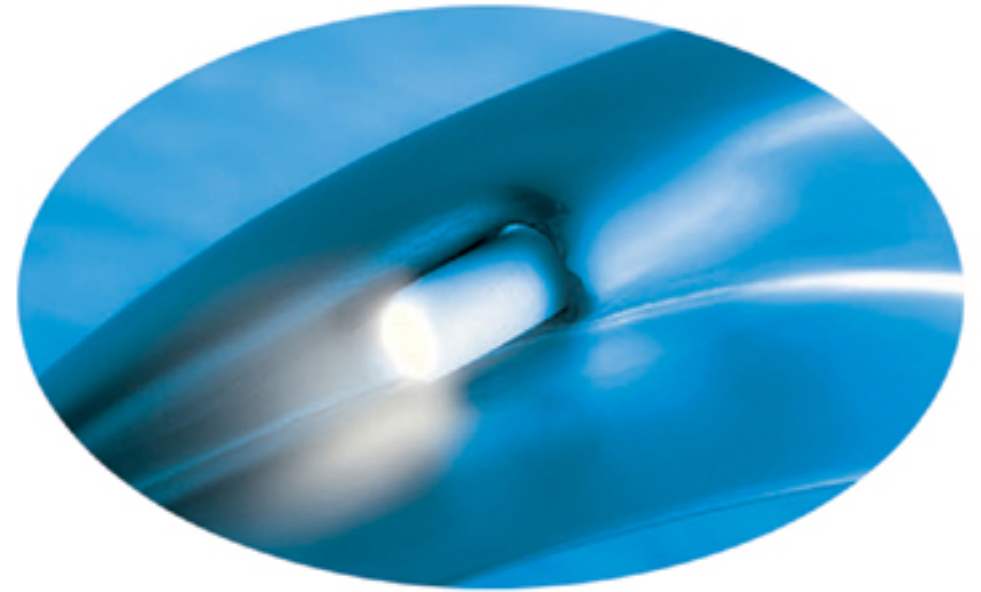


Code	Description	Blade Number	Size
EM-28-4047-01	Premature	01	65mm
EM-28-4047-02	Neonate	02	78mm
EM-28-4047-03	Infant	03	102mm
EM-28-4047-04	Child	04	154mm
EM-28-4047-05	Medium Adult	05	195mm
EM-28-4047-06	Large Adult	06	205mm



# Conventional Disposable Blades

Macintosh Blades LED, Metallic

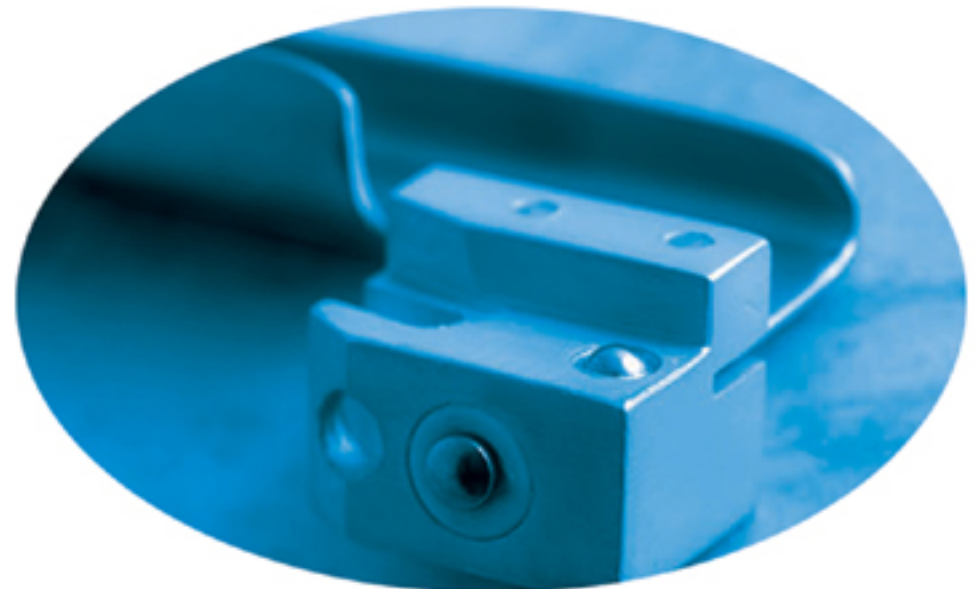
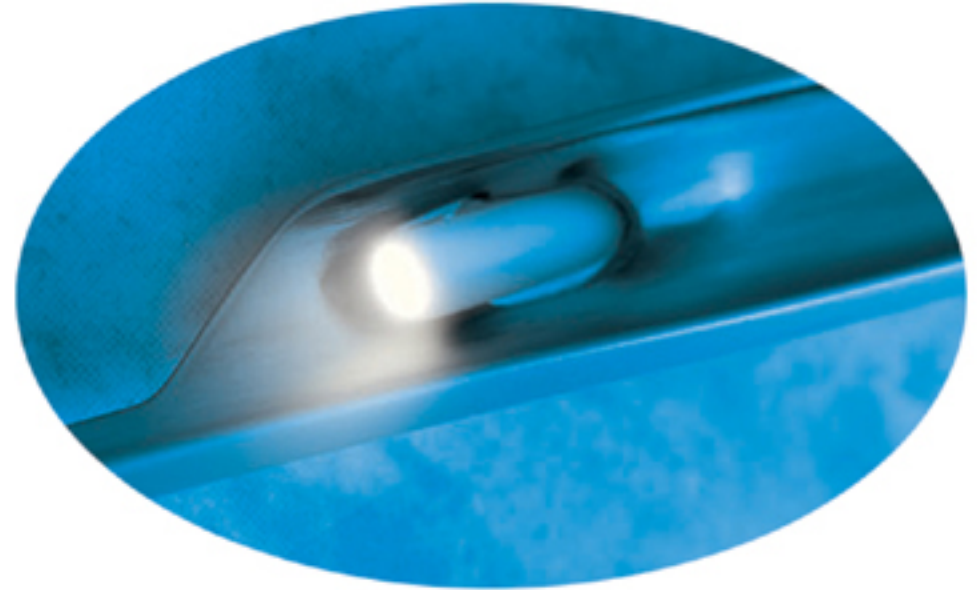


Code	Description	Blade Number	Size
EM-28-4048-01	Infant	01	95mm
EM-28-4048-02	Child	02	105mm
EM-28-4048-03	Medium Adult	03	135mm
EM-28-4048-04	Ext. Medium Adult	04	145mm
EM-28-4048-05	Large Adult	05	155mm
EM-28-4048-06	X-Large	06	175mm



# Conventional Disposable Blades

Miller Blades LED, Metallic



Code	Description	Blade Number	Size
EM-28-4049-01	Premature	01	65mm
EM-28-4049-02	Neonate	02	78mm
EM-28-4049-03	Infant	03	102mm
EM-28-4049-04	Child	04	154mm
EM-28-4049-05	Medium Adult	05	195mm
EM-28-4049-06	Large Adult	06	205mm





# Battery Handles For Conventional Disposable Blades



- Knurled barrel gives strong grip to the user.
- Single patient use only.
- Compatible LED blades only.
- No need to install batteries because batteries are included.
- Available in full-metal and semimetal construction.
- Very economical in pricing with high quality
- Crafted from light weight aluminium metal.
- Supplied surgically clean which makes it hygienically safe in use.
- Fully conforms to ISO 7376 and existing blades as well.

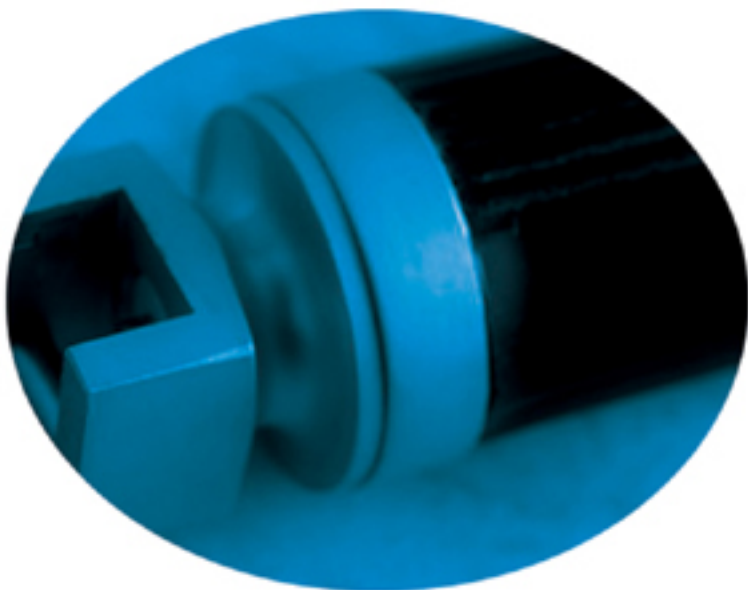
## Battery Handles Conventional, Semimetal

Code	Description	Battery	Size
EM-28-4050-01	Infant		115mm
EM-28-4050-02	Pediatric		150mm
EM-28-4050-03	Medium		150mm



## Battery Handles Conventional, Metallic

Code	Description	Battery	Size
EM-28-4051-01	Infant,		115mm
EM-28-4051-02	Pediatric		150mm
EM-28-4051-03	Medium		150mm





# Reusable Special Blades

## Macintosh & Miller Blades - American Profile

### Macintosh Blades, American Profile

The Macintosh blade is one of the most popular blades. The tongue has a gentle curve that extends to the tip. In cross-section, the tongue, web, and flange form a reverse Z. The force, head extension and cervical spine movement is greater with the Macintosh blade than with the miller blades.



Fiber Optic image shown

Fiber Optic	Description	Blade Number	Size
EM-28-4052-01	Neonate	01	68mm
EM-28-4052-02	Neonate	02	80mm
EM-28-4052-03	Infant	03	90mm
EM-28-4052-04	Child	04	108mm
EM-28-4052-05	Medium Adult	05	130mm
EM-28-4052-5.5	Extra Medium Adult	5.5	145mm
EM-28-4052-06	Large Adult	06	160mm

Conventional	Description	Blade Number	Size
EM-28-4053-01	Neonate	01	80mm
EM-28-4053-02	Infant	02	90mm
EM-28-4053-03	Child	03	108mm
EM-28-4053-04	Medium Adult	04	130mm
EM-28-4053-4.5	X Medium Adult	4.5	145mm
EM-28-4053-05	Large Adult	05	160mm

### Miller Blades American Profile

The Miller is one of the most popular blades. The tongue is straight with a slight upward curve near the tip. In cross-section the flange, web, and tongue form a C with the top fattened.

Several modifications have been described. But in comparing the Macintosh and Miller blades, it was found that force, head extension and cervical spine movement were less with the Miller.



Conventional image shown

Fiber Optic	Description	Blade Number	Size
EM-28-4054-01	Premature	01	65mm
EM-28-4054-02	Neonate	02	75mm
EM-28-4054-03	Infant	03	102mm
EM-28-4054-3.5	Small Child	3.5	130mm
EM-28-4054-04	Child	04	155mm
EM-28-4054-05	Medium Adult	05	195mm
EM-28-4054-06	Large Adult	06	205mm

Conventional	Description	Blade Number	Size
EM-28-4055-01	Premature	01	65mm
EM-28-4055-02	Neonate	02	75mm
EM-28-4055-03	Infant	03	102mm
EM-28-4055-3.5	Small Child	3.5	130mm
EM-28-4055-04	Child	04	155mm
EM-28-4055-05	Medium Adult	05	195mm
EM-28-4055-06	Large Adult	06	205mm



# Reusable Special Blades

## Philips & Wisconsin Blades - American Profile

### Philips Blades American Profile

The Phillips blade is straight with a low flange and a curved tip similar to a Miller blade. This design of blade gives greater visibility and an almost direct line approach to the trachea during intubation. The light bulb and FO light guide is on the left side of the blade.



Fiber Optic image shown

Fiber Optic	Description	Blade Number	Size
EM-28-4056-01	Infant	01	113mm
EM-28-4056-02	Adult	02	166mm

Conventional	Description	Blade Number	Size
EM-28-4057-01	Infant	01	113mm
EM-28-4057-02	Adult	02	166mm

### Wisconsin Blades American Profile

Unlike the Miller blade, the Wisconsin blade's tongue has no curve. The flange is curved to form two-thirds of a circle in cross-section. The depth of the flange is small at the proximal end and wider in the distal portion.



Fiber Optic image shown

Fiber Optic	Description	Blade Number	Size
EM-28-4058-01	Child	01	132mm
EM-28-4058-02	Medium Adult	02	160mm
EM-28-4058-03	Large Adult	03	200mm

Conventional	Description	Blade Number	Size
EM-28-4059-01	Child	01	135mm
EM-28-4059-02	Medium Adult	02	162mm
EM-28-4059-03	Large Adult	03	199mm



## Macintosh Blades, Improved View, English Profile

The improved vision (IV) Macintosh blade is similar to the standard version except that the midportion of the tongue is concave.



Fiber Optic image shown

Fiber Optic	Description	Blade Number	Size
EM-28-4060-01	Infant	01	95mm
EM-28-4060-02	Child	02	108mm
EM-28-4060-03	Medium Adult	03	135mm
EM-28-4060-04	Large Adult	04	155mm

Conventional	Description	Blade Number	Size
EM-28-4061-01	Neonate	01	80mm
EM-28-4061-02	Infant	02	92mm
EM-28-4061-03	Child	03	105mm
EM-28-4061-04	Medium Adult	04	135mm
EM-28-4061-05	Large Adult,	05	155mm

## Wis-Hipple Blades, American Profile

The Wis-Hipple is also a modified Wisconsin blade. The tongue is straight, and the flange is large and circular. Compared with the Wisconsin blade, the flange is straighter and runs parallel to the tongue and the tip is wider. It is designed primarily for use in infants.



Fiber Optic image shown

Fiber Optic	Description	Blade Number	Size
EM-28-4062-01	Premature	01	65mm
EM-28-4062-02	Neonate	02	76mm
EM-28-4062-03	Infant	03	102mm
EM-28-4062-3.5	Small Child	3.5	115mm

Conventional	Description	Blade Number	Size
EM-28-4063-01	Premature	01	65mm
EM-28-4063-02	Neonate	02	76mm
EM-28-4063-03	Infant	03	102mm
EM-28-4063-3.5	Small Child	3.5	115mm



## Robertshaw Blades, English Profile

The Robertshaw blade has a straight tongue with a gentle curve near the tip. It is designed to lift the epiglottis indirectly. The flange is extended to the left. The blade was designed for infants and children. It may be useful for nasotracheal intubation because it allows a Magill forceps to be introduced with a minimum loss of view.



Fiber Optic image shown

Fiber Optic	Description	Blade Number	Size
EM-28-4064-01	Neonate	01	95mm
EM-28-4064-02	Neonate	02	113mm

Conventional	Description	Blade Number	Size
EM-28-4065-01	Neonate	01	95mm
EM-28-4065-02	Infant	02	113mm

## Seward Blades, English Profile

The Seward blade has a straight tongue with a curve near the tip. It has a small reverse Z-shaped flange. The blade is useful for nasotracheal intubation because its shape allows a Magill forceps to be introduced with minimum loss of view. It is intended for use in children less than five years old.



Conventional image shown

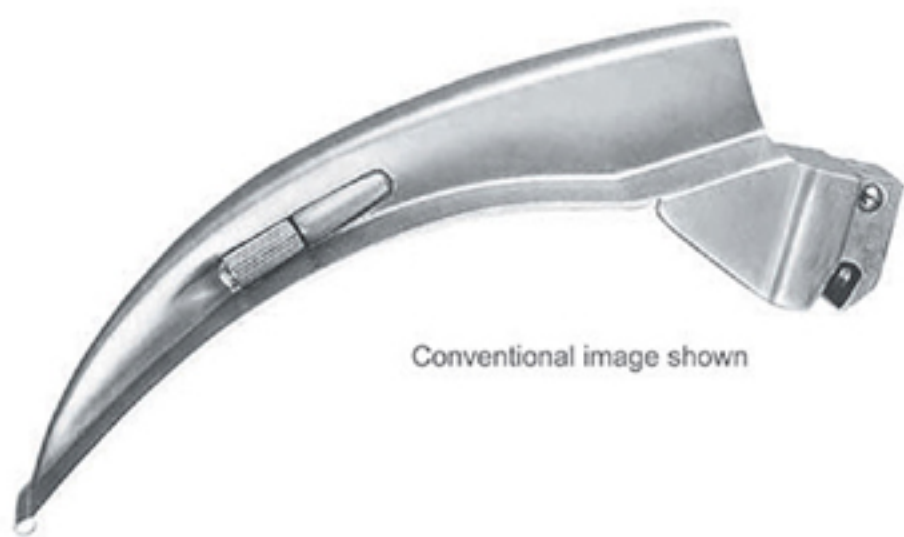
Fiber Optic	Description	Blade Number	Size
EM-28-4066-01	Infant	01	106mm
EM-28-4066-02	Child	02	130mm

Conventional	Description	Blade Number	Size
EM-28-4067-01	Infant	01	106mm
EM-28-4067-02	Child	02	130mm



## Polio Blades, English Profile

The polio blade is also a modification of the Macintosh. The blade is offset from the handle at an obtuse angle: to allow intubation of patients in iron lung respirators or body jackets; for use after the anesthesia screen is in place; for patients with obesity, breast hypertrophy, kyphosis with severe barrel chest deformity, a short neck, or restricted neck mobility. Disadvantages of this blade are that little force can be applied and control is minimal.



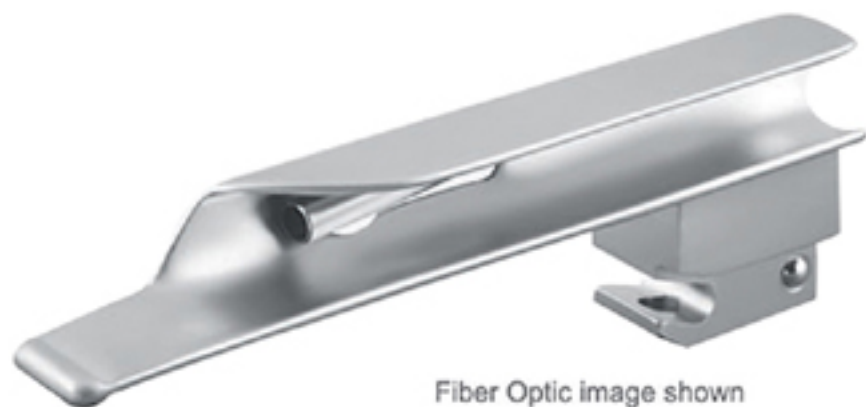
Conventional image shown

Fiber Optic	Description	Blade Number	Size
EM-28-4068-01	Child	01	105mm
EM-28-4068-02	Medium Adult	02	130mm
EM-28-4068-03	Large Adult	03	155mm

Conventional	Description	Blade Number	Size
EM-28-4069-01	Child	01	105mm
EM-28-4069-02	Medium Adult	02	130mm
EM-28-4069-03	Large Adult	03	155mm

## Oxford Blade, English Profile

The Oxford infant blade has a straight tongue that curves up slightly at the tip. It has a U shape at the proximal end with the bottom limb of the U decreasing toward the tip so that the distal part is open. It tapers from a maximum width at the proximal end to the tip. Although intended primarily for newborns, it can be used for children up to the age of four years.



Fiber Optic image shown

Fiber Optic	Description	Blade Number	Size
EM-28-4070-01	Infant	01	102mm

Conventional	Description	Blade Number	Size
EM-28-4071-01	Infant	01	102mm



# Reusable Special Blades

## Miller & Macintosh Blades - English Profile

### Miller Blades, Oxiport English Profile

The Oxiport Miller (Miller/port, oxyscope) blade has a built-in tube that allows delivery of oxygen during intubation. It may also be used for suctioning. Insufflations of oxygen during intubation using this blade has been found to lessen oxygen desaturation in spontaneously breathing anesthetized patients.



Conventional image shown

Fiber Optic	Description	Blade Number	Size
EM-28-4072-01	Premature	01	65mm
EM-28-4072-02	Neonate	02	78mm

Conventional	Description	Blade Number	Size
EM-28-4073-01	Premature	01	65mm
EM-28-4073-02	Neonate	02	78mm

### Macintosh Blades, Reduced Flange, English Profile



Fiber Optic image shown

Fiber Optic	Description	Blade Number	Size
EM-28-4074-01	Child	01	105mm
EM-28-4074-02	Medium Adult	02	135mm
EM-28-4074-2.5	Extra Medium Adult	2.5	145mm
EM-28-4074-03	Large Adult	04	155mm

Conventional	Description	Blade Number	Size
EM-28-4075-01	Child	01	105mm
EM-28-4075-02	Medium Adult	02	135mm
EM-28-4075-2.5	Extra Medium Adult	2.5	145mm
EM-28-4075-03	Large Adult	04	155mm