

PREMIUM
LARYNGOSCOPE RANGE



Forewords

Established in 1981, Long Life Surgical Industries has been serving the surgical industry with Care and Dedication. We manufacture Laryngoscopes and Surgical Instruments. We deal in both Single-Use and Re-Usable products.

Long Life Surgical Industries manufactures its products according to ISO-13485. We are also CE certified.

We always aim for good quality and proper understanding of our customer's requirements through co-operative and transparent communication. We have always tried to keep Long Life Surgical Industries up-to-date with present market through Research & Development, so our customers have relied on us for long term relations.

Drfan Aslam Arif

Chief Executive Officer

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FIBER OPTIC
GREEN SYSTEM
REUSABLE BLADES



- All blades in green system crafted from finest non-magnet stainless steel minimize the risk of contamination.
- Cool and brighter light with no chance of tissue burning during long intubation procedures.
- Superior quality of glass fiber optic gives maximum bright illumination to view the larynx of human body.
- Removable light guide can be autoclave separately, which makes long life of blade.
- Autoclaveable at 134c° 5 min, for 2000-3000 cycles at maximum light output.
- All blades and handles are made to comply with ISO 7376, allow compatibility with existing blades and handles.
- Complete range of handles also equipped with LED lamps.
- LED technology has longer additional life time with 50,000hrs and continuous 2hrs operating time.
- Brighter than Xenon lamp with 8,000 - 10,000 LUX transmission light at the tip of the blade.



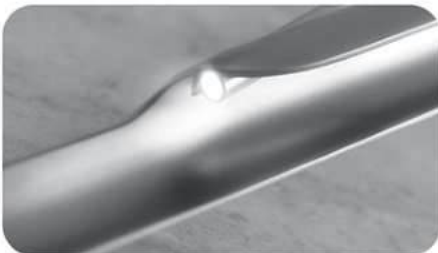
The English Macintosh is similar to the conventional Macintosh except that the flange is curved and lower at the handle end. Two studies have proved that this blade provided better results than other commonly used blades.



Code	Description	Blade Number	Size
AL-1401-00	Premature	00	68mm
AL-1401-0	Neonate	0	80mm
AL-1401-1	Infant	1	92mm
AL-1401-2	Child	2	105mm
AL-1401-3	Medium Adult	3	135mm
AL-1401-4	Large Adult	4	155mm
AL-1401-5	X-Large	5	175mm



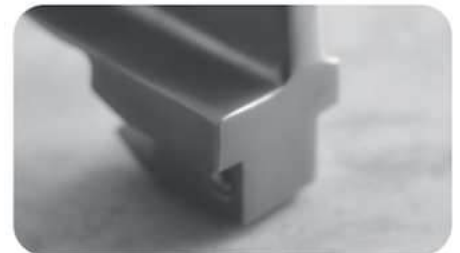
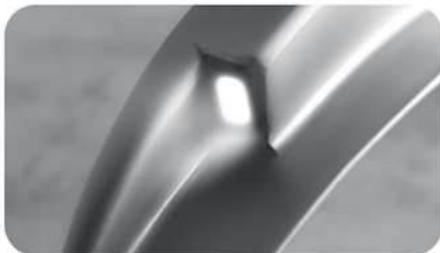
The Miller is one of the most popular blades. The tongue is straight with a slight upward curve near the tip. In cross-section the flange, web, and tongue form a C with the top fattened. Placing the bulb on the right side allows it to be protected by the flange. Several modifications have been described. 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
AL-1402-00	Premature	00	65mm
AL-1402-0	Neonate	0	78mm
AL-1402-1	Infant	1	102mm
AL-1402-2	Child	2	154mm
AL-1402-3	Medium Adult	3	195mm
AL-1402-4	Large Adult	4	205mm



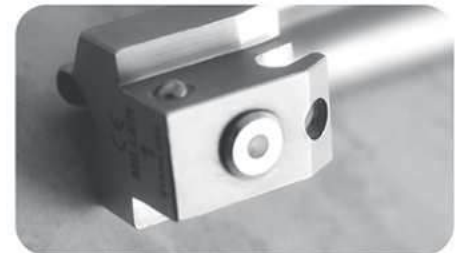
- Specially designed and constructed with high quality stainless steel AISI 304.
- High quality German optical fibers loaded with a 4.5mm bundle for best optimum light transmission.
- Exceptionally high light intensity with LED illumination (8000-10000 LUX).
- With this integrated FO light conductor, there are no extra cavities or light paths 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
AL-1403-0	Neonate	0	80mm
AL-1403-1	Infant	1	93mm
AL-1403-2	Child	2	114mm
AL-1403-3	Medium Adult	3	135mm
AL-1403-4	Large Adult	4	155mm
AL-1403-5	X-Large	5	175mm



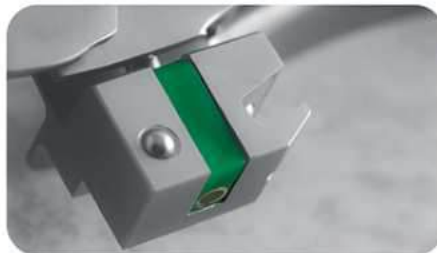
- Specially designed and constructed with high quality stainless steel AISI 304.
- High quality German optical fibers loaded with 4.5mm bundle for best optimum light transmission.
- Exceptionally high light intensity with LED illumination (8000-10000 LUX).
- With this integrated FO light conductor, there 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
AL-1404-00	Premature	00	65mm
AL-1404-0	Neonate	0	78mm
AL-1404-1	Infant	1	102mm
AL-1404-2	Child	2	154mm
AL-1404-3	Medium Adult	3	195mm
AL-1404-4	Large Adult	4	205mm



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
AL-1405-2	Child	2	105mm
AL-1405-3	Medium Adult	3	130mm
AL-1405-4	Large Adult	4	155mm



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
AL-1424-2	Child	2	108mm
AL-1424-3	Medium Adult	3	130mm
AL-1424-4	Large Adult	4	155mm



**Macintosh Fiber Optic Xenon Laryngoscope Sets,
English Profile in Plastic Case**

Code	Description
AL-1415-1	Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1415-2	Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1415-3	Set of 6 Blades 0,1,2,3,4,5 with 1 Med Handle, 1 Replacement Lamp

**Miller Fiber Optic Xenon Laryngoscope Sets,
English Profile in Plastic Case**

Code	Description
AL-1417-1	Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1417-2	Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1417-3	Set of 6 Blades 00,0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp

**Macintosh Fiber Optic Xenon Laryngoscope Sets,
Mega Line in Plastic Case**

Code	Description
AL-1415-1M	Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1415-2M	Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1415-3M	Set of 6 Blades 0,1,2,3,4,5 with 1 Med Handle, 1 Replacement Lamp

**Miller Fiber Optic Xenon Laryngoscope Sets,
Mega Line in Plastic Case**

Code	Description
AL-1417-1M	Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1417-2M	Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1417-3M	Set of 6 Blades 00,0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp

**MacFlex Fiber Optic Xenon Laryngoscope Set,
English Profile in Plastic Case**

Code	Description
AL-1418-1	Set of 2 Blades 3,4 with 1 Med Handle, 1 Replacement Lamp

**MacFlex Fiber Optic LED Laryngoscope Set,
English Profile in Plastic Case**

Code	Description
AL-1419-1	MacFlex F.O LED Laryngoscope Set of 2 Blades 3,4 with 1 Med Handle, 1 Replacement Lamp

**Macintosh Fiber Optic LED Laryngoscope Sets,
English Profile in Plastic Case**

Code	Description
AL-1420-1	Mac FO LED Laryngoscope Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1420-2	Mac FO LED Laryngoscope Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1420-3	Mac FO LED Laryngoscope Set of 6 Blades 0,1,2,3,4,5 with 1 Med Handle, 1 Replacement Lamp

**Miller Fiber Optic LED Laryngoscope Sets,
English Profile in Plastic Case**

Code	Description
AL-1421-1	Miller F.O LED Laryngoscope Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1421-2	Miller F.O LED Laryngoscope Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1421-3	Miller F.O LED Laryngoscope Set of 6 Blades 00,0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp

**Macintosh Fiber Optic LED Laryngoscope Sets,
Mega Line in Plastic Case**

Code	Description
AL-1420-1M	Mac FO LED Laryngoscope Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1420-2M	Mac FO LED Laryngoscope Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1420-3M	Mac FO LED Laryngoscope Set of 6 Blades 0,1,2,3,4,5 with 1 Med Handle, 1 Replacement Lamp

**Miller Fiber Optic LED Laryngoscope Sets,
Mega Line in Plastic Case**

Code	Description
AL-1421-1M	Miller F.O LED Laryngoscope Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1421-2M	Miller F.O LED Laryngoscope Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1421-3M	Miller F.O LED Laryngoscope Set of 6 Blades 00,0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp

**Mega MacFlex Fiber Optic Xenon Laryngoscope Set,
German Profile in Plastic Case**

Code	Description
AL-1422-1	Set of 2 Blades 3,4 with 1 Med Handle, 1 Replacement Lamp

**Mega MacFlex LED Laryngoscope Set,
German Profile in Plastic Case**

Code	Description
AL-1423-1	Set of 2 Blades 3,4 with 1 Med Handle, 1 Replacement Lamp

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
AL-1451-1	Infant	1xLithium 123 Size	122mm
AL-1451-2	Stubby	2xAA Size	125mm
AL-1451-3	Pediatric	2xAA Size	160mm
AL-1451-4	Medium	2xC Size	160mm
AL-1451-5	Large	2xD Size	175mm

Battery Handles Fiber Optic LED, Stainless Steel

Code	Description	Battery	Size
AL-1453-1	Infant	1xLithium 123 Size	122mm
AL-1453-2	Stubby	2xAA Size	125mm
AL-1453-3	Pediatric	2xAA Size	160mm
AL-1453-4	Medium	2xC Size	160mm
AL-1453-5	Large	2xD Size	175mm



Battery Handles Fiber Optic Xenon, Brass Chrome Plated

Code	Description	Battery	Size
AL-1452-1	Infant	1xLithium 123 Size	122mm
AL-1452-2	Stubby	2xAA Size	125mm
AL-1452-3	Pediatric	2xAA Size	160mm
AL-1452-4	Medium	2xC Size	160mm
AL-1452-5	Large	2xD Size	175mm

Battery Handles Fiber Optic LED, Brass Chrome Plated

Code	Description	Battery	Size
AL-1454-1	Infant	1xLithium 123 Size	122mm
AL-1454-2	Stubby	2xAA Size	125mm
AL-1454-3	Pediatric	2xAA Size	160mm
AL-1454-4	Medium	2xC Size	160mm
AL-1454-5	Large	2xD Size	175mm

Replacement Lamps

Code	Description	Voltage
AL-1455-1	Xenon	2.5V
AL-1455-2	LED	3.0V
AL-1455-3	Halogen	2.5V
AL-1455-4	Halogen	3.5V

Replacement Fiber Optic light Guides English Profile (4mm) For Miller Blades

Code	For Blades
AL-1461-00	00
AL-1461-0	0
AL-1461-1	1
AL-1461-2	2
AL-1461-3	3
AL-1461-4	4

Replacement Fiber Optic light Guides English Profile (4mm) For Macintosh Blades

Code	For Blades
AL-1462-00	00
AL-1462-0	0
AL-1462-1	1
AL-1462-2	2
AL-1462-3	3
AL-1462-4	4



STANDARD
CONVENTIONAL
REUSABLE BLADES



We have accommodated the whole range of conventional lamp blades into LED choice also, which protects the patient from accidental burns during lengthy procedures.

• **Standard Vacuum Lamp:**

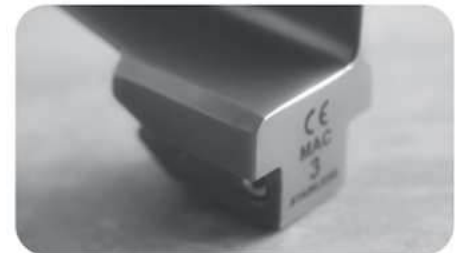
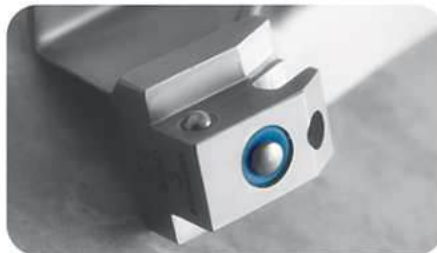
- Reliable vacuum standard lamp of 2.5V for better illumination.
- Conventional color temperature of 3000k @ 2000 LUX.
- 2hrs operating time with 20hrs life of lamp.

• **LED Lamp:**

- LED lamp gives continuous cool and bright illumination.
- 2hrs operating time.
- Brighter than standard lamp with 8,000 LUX light beam.
- Available with 6500k color temperature.
- Longer additional life time with 50,000 hrs.
- Whole range of blades complies with ISO 7376 standard.
- Easily replace lamp at the front of the blade.
- Autoclaved @ 134° C for 5 minutes.
- Crafted from finest stainless steel AISI 303 & 304.
- Round and smooth edges reduce the risk of injuries.



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
AL-1201-00	Premature	00	68mm
AL-1201-0	Neonate	0	80mm
AL-1201-1	Infant	1	95mm
AL-1201-2	Child	2	105mm
AL-1201-3	Medium Adult	3	135mm
AL-1201-3.5	Ext. Medium Adult	3.5	145mm
AL-1201-4	Large Adult	4	155mm
AL-1201-5	X-Large	5	175mm



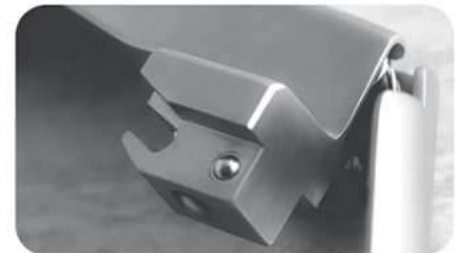
The Miller is one of the most popular blades. The tongue is straight with a slight upward curve near the tip. In cross-section the flange, web, and tongue form a C with the top fattened. Placing the bulb on the right side allows it to be protected by the flange. Several modifications have been described. 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
AL-1202-00	Premature	00	65mm
AL-1202-0	Neonate	0	78mm
AL-1202-1	Infant	1	102mm
AL-1202-2	Child	2	154mm
AL-1202-3	Medium Adult	3	195mm
AL-1202-4	Large Adult	4	205mm



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
AL-1215-2	Child	2	105mm
AL-1215-3	Medium Adult	3	130mm
AL-1215-4	Large Adult	4	155mm



**Macintosh Conventional Laryngoscope Sets,
English Profile in Plastic Case**

Code	Description
AL-1213-1	Mac Conventional Laryngoscope Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1213-2	Mac Conventional Laryngoscope Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1213-3	Mac Conventional Laryngoscope Set of 6 Blades 00,0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp



**Miller Conventional Laryngoscope Sets,
English Profile in Plastic Case**

Code	Description
AL-1214-1	Miller Conventional Laryngoscope Sets Set of 4 Blades 1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1214-2	Miller Conventional Laryngoscope Sets Set of 5 Blades 0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp
AL-1214-3	Miller Conventional Laryngoscope Sets Set of 6 Blades 00,0,1,2,3,4 with 1 Med Handle, 1 Replacement Lamp

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.

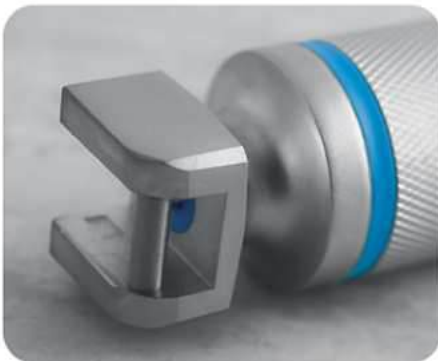


Battery Handles, Stainless Steel

Code	Description	Battery	Size
AL-1251-1	Infant	1xLithium 123 Size	110mm
AL-1251-2	Stubby	2xAA Size	115mm
AL-1251-3	Pediatric	2xAA Size	145mm
AL-1251-4	Medium	2xC Size	150mm
AL-1251-5	Large	2xD Size	165mm

Battery Handles, Brass Chrome Plated

Code	Description	Battery	Size
AL-1252-1	Infant	1xLithium 123 Size	110mm
AL-1252-2	Stubby	2xAA Size	115mm
AL-1252-3	Pediatric	2xAA Size	145mm
AL-1252-4	Medium	2xC Size	150mm
AL-1252-5	Large	2xD Size	165mm



Replacement Lamp for Conventional Laryngoscope

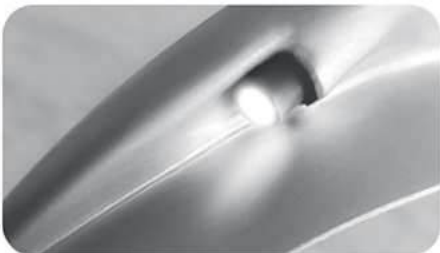
Code	Description	Clear/Frosted
AL-1253-01	Small	Clear
AL-1253-02	Adult	Clear
AL-1253-03	Small	Frosted
AL-1253-04	Adult	Frosted



FIBER OPTIC
GREEN SYSTEM
DISPOSABLE BLADES



- Single patient use only.
- Latex free and safe in use.
- Especially very effective under emergency situations.
- Green system no direct contact of light.
- Stainless steel spatula and aluminum heel makes, practically unbreakable.
- Semi-metal blade also hold reinforcement metal hook to make it unbreakable.
- Low cost price with high quality.
- Round tip helps reduce trauma.
- Plastic optically fiber 5mm dia gives clear and maximum illumination.
- Black shrink tube on individual light guide protects light dispersion or reflection to doctor as well.
- Available in all sizes of Macintosh and Miller.
- Supplied surgically cleaned.
- Hygienically safe in use.
- Fully conforms to ISO 7376 and existing handles.
- Individually packed and labeled.
- In case of double polythene packing, reusable battery handle can be safe for use.
- Low profile shape of blades protects the patient from upper part of teeth.

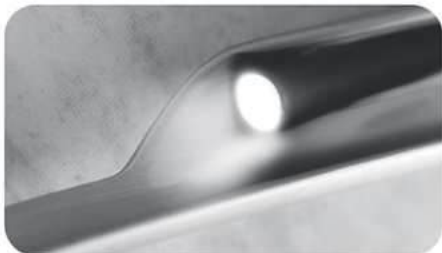


Code	Description	Blade Number	Size
AL-1801-1	Infant	1	95mm
AL-1801-2	Child	2	105mm
AL-1801-3	Medium Adult	3	135mm
AL-1801-3.5	Ext. Medium Adult	3.5	145mm
AL-1801-4	Large Adult	4	155mm
AL-1801-5	X-Large	5	175mm

ECO Line

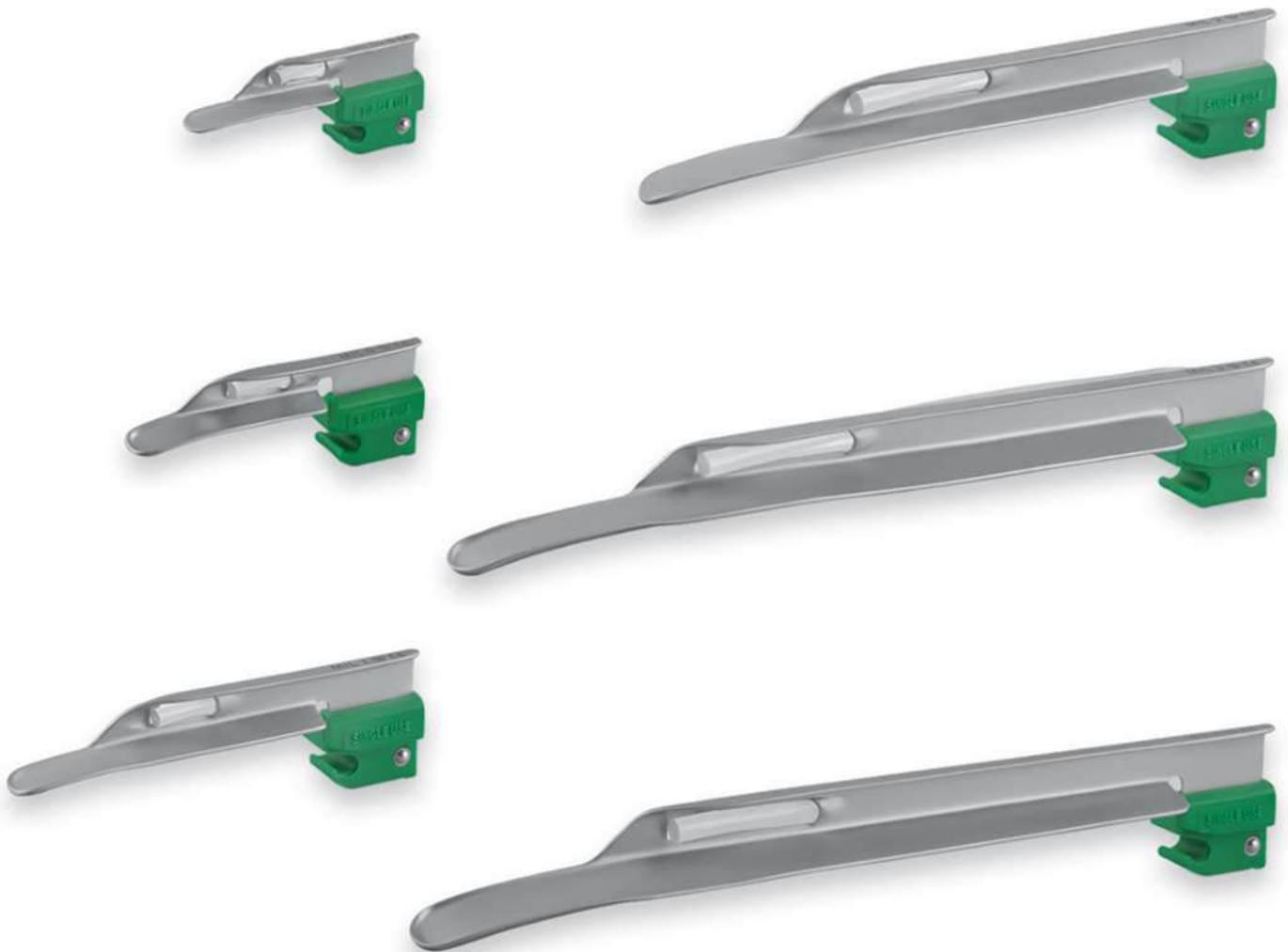


Code	Description	Blade Number	Size
AL-1801-0E	Neonate	0	80mm
AL-1801-1E	infant	1	95mm
AL-1801-2E	Child	2	105mm
AL-1801-3E	Medium Adult	3	135mm
AL-1801-3.5E	Ext. Medium Adult	3.5	145mm
AL-1801-4E	Large Adult	4	155mm
AL-1801-5E	X-Large	5	175mm

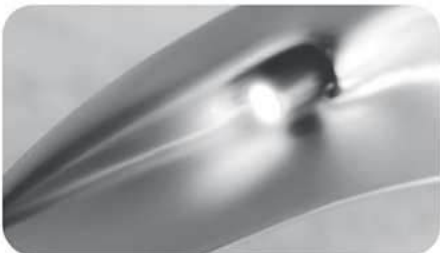


Code	Description	Blade Number	Size
AL-1802-00	Premature	00	65mm
AL-1802-0	Neonate	0	78mm
AL-1802-1	Infant	1	102mm
AL-1802-2	Child	2	154mm
AL-1802-3	Medium Adult	3	195mm
AL-1802-4	Large Adult	4	205mm

ECO Line



Code	Description	Blade Number	Size
AL-1802-00E	Premature	00	65mm
AL-1802-0E	Neonate	0	78mm
AL-1802-1E	Infant	1	102mm
AL-1802-2E	Child	2	154mm
AL-1802-3E	Medium Adult	3	195mm
AL-1802-4E	Large Adult	4	205mm



Code	Description	Blade Number	Size
AL-1803-1	Infant	1	95mm
AL-1803-2	Child	2	105mm
AL-1803-3	Medium Adult	3	135mm
AL-1803-3.5	Ext. Medium Adult	3.5	145mm
AL-1803-4	Large Adult	4	155mm
AL-1803-5	X-Large	5	175mm

ECO Line



Code	Description	Blade Number	Size
AL-1803-0E	Neonate	0	80mm
AL-1803-1E	infant	1	95mm
AL-1803-2E	Child	2	105mm
AL-1803-3E	Medium Adult	3	135mm
AL-1803-3.5E	Ext. Medium Adult	3.5	145mm
AL-1803-4E	Large Adult	4	155mm
AL-1803-5E	X-Large	5	175mm



Code	Description	Blade Number	Size
AL-1804-00	Premature	00	65mm
AL-1804-0	Neonate	0	78mm
AL-1804-1	Infant	1	102mm
AL-1804-2	Child	2	154mm
AL-1804-3	Medium Adult	3	195mm
AL-1804-4	Large Adult	4	205mm

ECO Line



Code	Description	Blade Number	Size
AL-1804-00E	Premature	00	65mm
AL-1804-0E	Neonate	0	78mm
AL-1804-1E	Infant	1	102mm
AL-1804-2E	Child	2	154mm
AL-1804-3E	Medium Adult	3	195mm
AL-1804-4E	Large Adult	4	205mm

- 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
AL-1805-1	Infant	1	95mm
AL-1805-2	Child	2	115mm
AL-1805-3	Medium Adult	3	135mm
AL-1805-4	Large Adult	4	155mm



Miller Blades, Fiber Optic Acrylic, Full-Plastic

Code	Description	Blade Number	Size
AL-1806-0	Neonate	0	80mm
AL-1806-1	Infant	1	105mm
AL-1806-2	Child	2	155mm
AL-1806-3	Medium Adult	3	195mm
AL-1806-4	Large Adult	4	205mm

- 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.



MacFlex Blades, Fiber Optic Acrylic, Full-Metallic

Code	Description	Blade Number	Size
AL-1807-2	Child	2	105mm
AL-1807-3	Medium Adult	3	135mm
AL-1807-4	Large Adult	4	155mm

- 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	Size
AL-1851-2	Infant	115mm
AL-1851-3	Pediatric	150mm
AL-1851-4	Medium	150mm



Battery Handles Fiber Optic LED,
Metallic with Batteries

Code	Description	Size
AL-1852-2	Infant	115mm
AL-1852-3	Pediatric	150mm
AL-1852-4	Medium	150mm



Battery Handles Fiber Optic LED,
Semimetal without Batteries

Code	Description	Size
AL-1858-2	Infant	115mm
AL-1858-3	Pediatric	150mm
AL-1858-4	Medium	150mm



Battery Handles Fiber Optic LED,
Metallic without Batteries

Code	Description	Size
AL-1859-2	Infant	115mm
AL-1859-3	Pediatric	150mm
AL-1859-4	Medium	150mm



Disposable Metallic Kits (Battery Included)

Code	Description
AL-1853-00	Miller Blade 00 with Battery Handle Med
AL-1853-0	Miller Blade 0 with Battery Handle Med
AL-1853-1	Miller Blade 1 with Battery Handle Med
AL-1853-2	Miller Blade 2 with Battery Handle Med
AL-1853-3	Miller Blade 3 with Battery Handle Med
AL-1853-4	Miller Blade 4 with Battery Handle Med

Code	Description
AL-1854-0	Mac Blade 0 with Battery Handle Med
AL-1854-1	Mac Blade 1 with Battery Handle Med
AL-1854-2	Mac Blade 2 with Battery Handle Med
AL-1854-3	Mac Blade 3 with Battery Handle Med
AL-1854-4	Mac Blade 4 with Battery Handle Med
AL-1854-5	Mac Blade 5 with Battery Handle Med

Disposable Metallic Kits (Without Batteries)

Code	Description
AL-1855-00	Miller Blade 00 with Battery Handle Med
AL-1855-0	Miller Blade 0 with Battery Handle Med
AL-1855-1	Miller Blade 1 with Battery Handle Med
AL-1855-2	Miller Blade 2 with Battery Handle Med
AL-1855-3	Miller Blade 3 with Battery Handle Med
AL-1855-4	Miller Blade 4 with Battery Handle Med

Code	Description
AL-1856-0	Mac Blade 0 with Battery Handle Med
AL-1856-1	Mac Blade 1 with Battery Handle Med
AL-1856-2	Mac Blade 2 with Battery Handle Med
AL-1856-3	Mac Blade 3 with Battery Handle Med
AL-1856-4	Mac Blade 4 with Battery Handle Med
AL-1856-5	Mac Blade 5 with Battery Handle Med

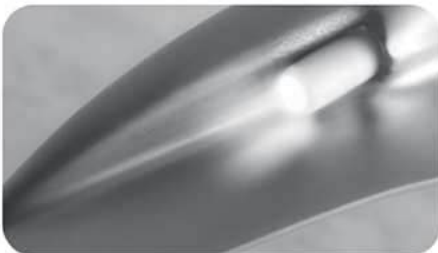
Replacement LED Capsule

Code	Description
AL-1857-1	Replacement LED capsule

CONVENTIONAL DISPOSABLE BLADES



- Single patient use only.
- Cool and bright illumination as compare to conventional vacuum lamp.
- Latex free and safe in use.
- Especially very effective under emergency situations.
- LED Light source with 5000 LUX at the tip of the blade.
- Stainless steel spatula and aluminum heel makes, practically unbreakable.
- Low cost price with high quality.
- Round tip helps reduce trauma.
- Fully conforms to ISO 7376 Standard.
- Available in all sizes of Macintosh and Miller.
- Supplied surgically cleaned.



Code	Description	Blade Number	Size
AL-1601-1	Infant	1	95mm
AL-1601-2	Child	2	105mm
AL-1601-3	Medium Adult	3	135mm
AL-1601-4	Large Adult	4	155mm
AL-1601-5	X-Large	5	175mm

 **ULTRA VIOLET**



- Exceptional airway illumination.
- Blended ultraviolet and white LED light for improved clarity and definition without glare.
- UV light provides unique bright detail.
- Delivers the safety and compliance benefits of disposable laryngoscopes without compromising on performance or quality.
- Medical-grade stainless steel blades.

Code	Description	Blade Number	Size
AL-1601-1UV	Infant	1	95mm
AL-1601-2UV	Child	2	105mm
AL-1601-3UV	Medium Adult	3	135mm
AL-1601-4UV	Large Adult	4	155mm
AL-1601-5UV	X-Large	5	175mm



Code	Description	Blade Number	Size
AL-1602-00	Premature	00	65mm
AL-1602-0	Neonate	0	78mm
AL-1602-1	Infant	1	102mm
AL-1602-2	Child	2	154mm
AL-1602-3	Medium Adult	3	195mm
AL-1602-4	Large Adult	4	205mm



- Exceptional airway illumination.
- Blended ultraviolet and white LED light for improved clarity and definition without glare.
- UV light provides unique bright detail.
- Delivers the safety and compliance benefits of disposable laryngoscopes without compromising on performance or quality.
- Medical-grade stainless steel blades.

Code	Description	Blade Number	Size
AL-1602-00UV	Premature	00	65mm
AL-1602-0UV	Neonate	0	78mm
AL-1602-1UV	Infant	1	102mm
AL-1602-2UV	Child	2	154mm
AL-1602-3UV	Medium Adult	3	195mm
AL-1602-4UV	Large Adult	4	205mm



Code	Description	Blade Number	Size
AL-1603-1	Infant	1	95mm
AL-1603-2	Child	2	105mm
AL-1603-3	Medium Adult	3	135mm
AL-1603-3.5	Ext. Medium Adult	3.5	145mm
AL-1603-4	Large Adult	4	155mm
AL-1603-5	X-Large	5	175mm



Code	Description	Blade Number	Size
AL-1604-00	Premature	00	65mm
AL-1604-0	Neonate	0	78mm
AL-1604-1	Infant	1	102mm
AL-1604-2	Child	2	154mm
AL-1604-3	Medium Adult	3	195mm
AL-1604-4	Large Adult	4	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	Size
AL-1651-2	Infant	115mm
AL-1651-3	Pediatric	150mm
AL-1651-4	Medium	150mm



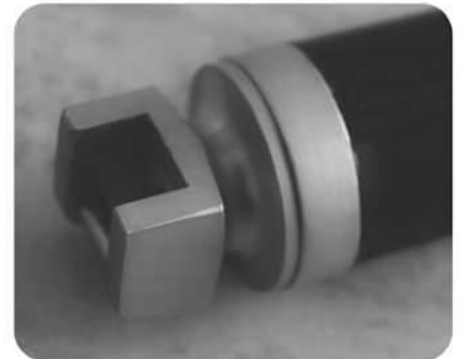
Battery Handles Conventional, Semimetal / UV

Code	Description	Size
AL-1652-2UV	Infant	115mm
AL-1652-3UV	Pediatric	150mm
AL-1652-4UV	Medium	150mm



Battery Handles Conventional, Metallic

Code	Description	Size
AL-1652-2	Infant	115mm
AL-1652-3	Pediatric	150mm
AL-1652-4	Medium	150mm



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

Macintosh Fiber Optic Blades, American Profile

Code	Description	Blade Number	Size
AL-1407-00	Premature	00	68mm
AL-1407-0	Neonate	0	80mm
AL-1407-1	Infant	1	90mm
AL-1407-2	Child	2	108mm
AL-1407-3	Medium Adult	3	130mm
AL-1407-3.5	Extra Medium Adult	3.5	145mm
AL-1407-4	Large Adult	4	160mm

Macintosh Conventional Blades, American Profile

Code	Description	Blade Number	Size
AL-1203-0	Neonate	0	80mm
AL-1203-1	Infant	1	90mm
AL-1203-2	Child	2	108mm
AL-1203-3	Medium Adult	3	130mm
AL-1203-3.5	Extra Medium Adult	3.5	145mm
AL-1203-4	Large Adult	4	160mm

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

Miller Fiber Optic Blades, American Profile

Code	Description	Blade Number	Size
AL-1408-00	Premature	00	65mm
AL-1408-0	Neonate	0	75mm
AL-1408-1	Infant	1	102mm
AL-1408-1.5	Small Child	1.5	130mm
AL-1408-2	Child	2	155mm
AL-1408-3	Medium Adult	3	195mm
AL-1408-4	Large Adult	4	205mm

Miller Conventional Blades, American Profile

Code	Description	Blade Number	Size
AL-1204-00	Premature	00	65mm
AL-1204-0	Neonate	0	75mm
AL-1204-1	Infant	1	102mm
AL-1204-1.5	Small Child	1.5	130mm
AL-1204-2	Child	2	155mm
AL-1204-3	Medium Adult	3	195mm
AL-1204-4	Large Adult	4	205mm

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.

Philips Fiber Optic Blades, American Profile

Code	Description	Blade Number	Size
AL-1412-1	Infant	1	113mm
AL-1412-2	Adult	2	166mm



Fiber Optic image shown

Philips Conventional Blades, American Profile

Code	Description	Blade Number	Size
AL-1205-1	Infant	1	113mm
AL-1205-2	Adult	2	166mm

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.

Wisconsin Fiber Optic Blades, American Profile

Code	Description	Blade Number	Size
AL-1426-2	Child	2	132mm
AL-1426-3	Medium Adult	3	160mm
AL-1426-4	Large Adult	4	200mm



Fiber Optic image shown

Wisconsin Conventional Blades, American Profile

Code	Description	Blade Number	Size
AL-1206-2	Child	2	135mm
AL-1206-3	Medium Adult	3	162mm
AL-1206-4	Large Adult	4	199mm

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

Macintosh Fiber Optic Blades, Improved View, American Profile

Code	Description	Blade Number	Size
AL-1406-1	Infant	1	95mm
AL-1406-2	Child	2	108mm
AL-1406-3	Medium Adult	3	135mm
AL-1406-4	Large Adult	4	155mm



Fiber Optic image shown

Macintosh Conventional Blades, Improved View, American Profile

Code	Description	Blade Number	Size
AL-1207-0	Neonate	0	80mm
AL-1207-1	Infant	1	92mm
AL-1207-2	Child	2	105mm
AL-1207-3	Medium Adult	3	135mm
AL-1207-4	Large Adult	4	155mm

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.

Wis-Hipple Fiber Optic Blades, American Profile

Code	Description	Blade Number	Size
AL-1410-00	Premature	00	65mm
AL-1410-0	Neonate	0	76mm
AL-1410-1	Infant	1	102mm
AL-1410-1.5	Small Child	1.5	115mm



Fiber Optic image shown

Wis-Hipple Conventional Blades, American Profile

Code	Description	Blade Number	Size
AL-1209-00	Premature	00	65mm
AL-1209-0	Neonate	0	76mm
AL-1209-1	Infant	1	102mm
AL-1209-1.5	Small Child	1.5	115mm

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

Robertshaw Optic Blades, English Profile

Code	Description	Blade Number	Size
AL-1413-0	Neonate	0	95mm
AL-1413-1	Infant	1	113mm

Robertshaw Conventional Blades, English Profile

Code	Description	Blade Number	Size
AL-1210-0	Neonate	0	95mm
AL-1210-1	Infant	1	113mm

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

Seward Fiber Optic Blades, English Profile

Code	Description	Blade Number	Size
AL-1414-1	Infant	1	106mm
AL-1414-2	Child	2	130mm

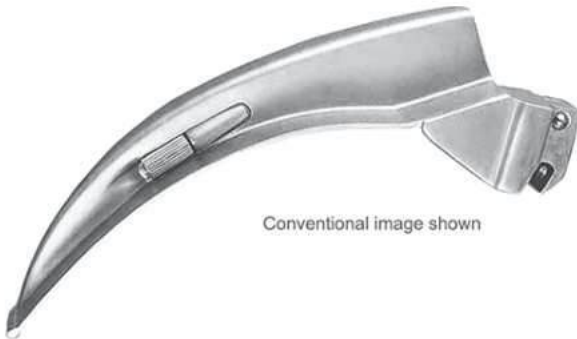
Seward Conventional Blades, English Profile

Code	Description	Blade Number	Size
AL-1211-1	Infant	1	106mm
AL-1211-2	Child	2	130mm

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.

Polio Fiber Optic Blades, English Profile

Code	Description	Blade Number	Size
AL-1427-2	Child	2	105mm
AL-1427-3	Medium Adult	3	130mm
AL-1427-4	Large Adult	4	155mm



Conventional image shown

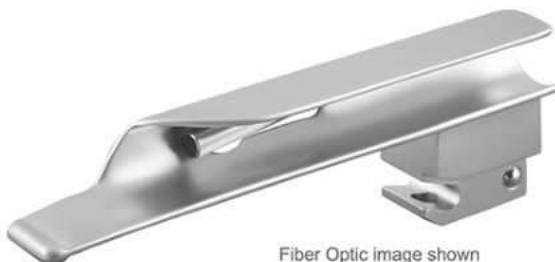
Polio Conventional Blades, English Profile

Code	Description	Blade Number	Size
AL-1212-2	Child	2	105mm
AL-1212-3	Medium Adult	3	130mm
AL-1212-4	Large Adult	4	155mm

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.

Oxford Fiber Optic Blades, English Profile

Code	Description	Blade Number	Size
AL-1416-1	Infant	1	102mm



Fiber Optic image shown

Oxford Conventional Blades, English Profile

Code	Description	Blade Number	Size
AL-1216-1	Infant	1	102mm

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

Miller Optic Blades, Oxiport English Profile

Code	Description	Blade Number	Size
AL-1409-00	Premature	00	65mm
AL-1409-0	Neonate	0	78mm

Miller Conventional Blades, Oxiport English Profile

Code	Description	Blade Number	Size
AL-1217-00	Premature	00	65mm
AL-1217-0	Neonate	0	78mm



Fiber Optic image shown

Macintosh Fiber Optic Blades, Reduced Flange, English Profile

Code	Description	Blade Number	Size
AL-1411-2	Child	2	105mm
AL-1411-3	Medium Adult	3	135mm
AL-1411-3.5	Extra Medium Adult	3.5	145mm
AL-1411-4	Large Adult	4	155mm

Macintosh Conventional Blades, Reduced Flange, English Profile

Code	Description	Blade Number	Size
AL-1211-1	Child	2	105mm
AL-1211-2	Medium Adult	3	135mm
	Extra Medium Adult	3.5	145mm
	Large Adult	4	155mm



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