

# LARYNGOSCOPES



**WelchAllyn®**

Advancing Frontline Care™

## Welch Allyn Laryngoscopes

### Features

- The one-piece construction of Welch Allyn blades eliminates the potentially weaker soldered or brazed joint.
- Lightweight. Reduced handle and blade weight for improved balance and maneuverability facilitates even the most difficult intubations.
- Convertible. Blades easily convert from lamp to fiber optic illumination. Makes upgrading economical.
- Repairable. Replace deteriorating light pathways for a fraction of the cost of a replacement blade.
- Improved design. Reduced proximal blade height assists in intubating patients with limited oral access.
- One-piece construction. Single-piece stainless steel blade ensures blade integrity (no soldered joints) and minimizes corrosion.
- Halogen HPX™ illumination. Our fiber optic blades feature Halogen HPX™ lamps for true tissue color, providing more than 30% brighter, whiter light than traditional halogen lamps.

## MACINTOSH LARYNGOSCOPES

## MacIntosh Laryngoscopes

A design that incorporates a gentle, continuous curve from the tip to the proximal end. The curve is compressed into the vallecula and the blade lifted, indirectly raising the epiglottis. Welch Allyn modified the MacIntosh blades by reducing proximal blade height. This results in a lower profile that assists in intubating patients with limited oral access.



### MacIntosh Halogen Fiber Optic

Part No.	Blade Size	Overall Length	Length Inside Base to Tip
#69061	1	89 mm	63 mm
#69062	2	108 mm	82 mm
#69063	3	126 mm	101 mm
#69064	4	160 mm	135 mm



### MacIntosh Standard

Part No.	Blade Size	Overall Length	Length Inside Base to Tip
#69041	1	89 mm	63 mm
#69042	2	108 mm	82 mm
#69043	3	126 mm	101 mm
#69044	4	160 mm	135 mm

## E-MacIntosh Laryngoscopes

E-MacIntosh, or “English”-MacIntosh, blades are the most popular style of laryngoscope blade outside of the United States. The design, although based heavily upon the original MacIntosh blade, differs in several aspects. First, the curve of the E-Mac is more continuous from the proximal to distal end. This improves lifting mechanics. Second, overall length is increased to help assist intubation in patients with an anterior larynx. Finally, the profile or height of the instrument had been reduced for easier intubation in patients with limited oral access.



### E-MacIntosh Halogen Fiber Optic

Part No.	Blade Size	Overall Length	Length Inside Base to Tip
#69211	1	95 mm	70 mm
#69212	2	116 mm	90 mm
#69213	3	135 mm	110 mm
#69214	4	156 mm	130 mm

### E-MacIntosh Standard

Part No.	Blade Size	Overall Length	Length Inside Base to Tip
#69241	1	95 mm	70 mm
#69242	2	116 mm	90 mm
#69243	3	135 mm	110 mm
#69244	4	156 mm	130 mm

## Miller Laryngoscopes

Welch Allyn modified the original Miller blade, developed with Welch Allyn in 1941, to improve its functionality and field of view. First, the blade or tongue of the blade was flattened so that the patient's tongue would be swept aside, rather than compressed. The flat base helps to hold the tongue out of the field of view. Overall field of view was increased by modifying the cross-sectional area of the blade without altering width or height.



### Miller Halogen Fiber Optic

Part No.	Blade Size	Inside Vertical Measure	Length Inside Base to Tip
#68065	00	8 mm	36 mm
#68060	0	8 mm	53 mm
#68061	1	8 mm	79 mm
#68062	2	10 mm	132 mm
#68063	3	11 mm	172 mm
#68064	4	13 mm	182 mm

### Miller Standard

Part No.	Blade Size	Inside Vertical Measure	Length Inside Base to Tip
#68045	00	8 mm	36 mm
#68040	0	8 mm	53 mm
#68041	1	8 mm	79 mm
#68042	2	10 mm	132 mm
#68043	3	11 mm	172 mm
#68044	4	13 mm	182 mm

## Fiber Optic Handles

### Lightweight Fiber Optic Halogen HPX™ Handles

Welch Allyn lightweight handles are up to 40% lighter than our 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.



- #60813 Medium "C" size battery handle
- #60814 Penlight "AA" size battery handle
- #60815 Fiber optic "AA" size stubby handle

### Rechargeable Fiber Optic Halogen HPX™ Handles

Eliminate the problem of drained handles with our rechargeable fiber optic handles. These units can remain constantly in the charging stand to ensure full power and maximum illumination. The handle utilizes a 2.5 V or 3.5 V recyclable\* nickel-cadmium battery that is guaranteed for two years.



- #60713 Rechargeable 2.5 V fiber optic handle only
- #60835 3.5 V Handle only
- #71140 Charger only, 110-130 V, 50/60 Hz
- #71105 Same as #71140 but export (specify country and voltage); 220-250 V, 50/60 Hz
- #72200 3.5 V NiCad Rechargeable battery
- #72000 NiCad rechargeable battery (color-coded red)

*\*As a sign of our commitment to the environment, Welch Allyn encourages the return of all spent nickel-cadmium batteries for recycling.*

## Standard Handles

### Standard Battery Handles

Welch Allyn standard laryngoscope handles come in a variety of sizes to meet any application need. Crafted from durable chrome-plated brass (like all Welch Allyn handles), our handles are built to last. Choose from "D," "C," or "AA" battery cell sizes.



- #60200 Large "D" size battery handle
- #60300 Medium "C" size battery handle
- #60400 Penlight "AA" size battery handle
- #60305 Standard "AA" size stubby handle

### Standard Rechargeable Battery Handles

Virtually eliminate the need for replacement batteries with a Welch Allyn rechargeable handle. The recyclable\* nickel-cadmium battery is guaranteed for two years and ensures operation even after long periods of non-use.



- #60715 Rechargeable battery handle and transformer, 110 V
- #60755 Same as #60715, but export (specify country and voltage); 220-250 V, 50/60 Hz
- #60710 Rechargeable 2.5 V handle only
- #60720 Rechargeable battery handle only, export
- #71040 Transformer only for rechargeable handle
- #71025 Transformer only for rechargeable handles, export (specify country and voltage); 220-250 V, 50/60 Hz
- #72000 NiCad rechargeable battery (color-coded red)

*\*As a sign of our commitment to the environment, Welch Allyn encourages the return of all spent nickel-cadmium batteries for recycling.*

## Fiber Optic Sets

Each set includes both of our “AA” and “C” cell battery lightweight handles and lightweight blades for maximum maneuverability.



#68696  
Miller #0, 1, 2, 3, 4



#65122  
MacIntosh #3 and 4, Miller  
#0 and 2, with Stubby Battery  
Handles and Case



#65103  
MacIntosh #3 and 4 and Medium Handle

### Fiber Optic Sets with Case

- #69696 **MacIntosh** fiber optic set includes blade sizes #1, 2, 3 and 4, #60813 “C” cell battery handle, #60814 “AA” cell battery handle and case #05691
- #68696 **Miller** fiber optic set includes blade sizes #0, 1, 2, 3 and 4, #60813 “C” cell battery handle, #60814 “AA” cell battery handle and case #05681
- #69697 **E-MacIntosh** fiber optic set includes blade sizes #1, 2, 3 and 4, #60813 “C” cell battery handle, #60814 “AA” cell battery handle and case #05791

### Popular Mixed-Blade Style Fiber Optic Sets with Case

#### MacIntosh and Miller Universal Sets

- #65121 Universal set (MacIntosh #3 and 4, Miller #0 and 2) with #60813 “C” cell and #60814 “AA” cell battery handles and case #05700
- #65122 Universal set (MacIntosh #3 and 4, Miller #0 and 2) with #60813 “C” cell and #60815 stubby battery handles and case #05700
- #65123 Universal set (MacIntosh #3 and 4, Miller #0 and 2) with #60814 “AA” cell and #60815 stubby battery handles and case #05700

#### E-MacIntosh and Miller Universal Sets

- #65124 Universal set (E-MacIntosh #3 and 4, Miller #0 and 2) with #60813 “C” cell and #60814 “AA” cell battery handles and case #05701
- #65125 Universal set (E-MacIntosh #3 and 4, Miller #0 and 2) with #60813 “C” cell and #60815 stubby battery handles and case #05701
- #65126 Universal set (E-MacIntosh #3 and 4, Miller #0 and 2) with #60814 “AA” cell and #60815 stubby battery handles and case #05701

### Portable Fiber Optic Sets with Case

We’ve combined three of the most commonly used laryngoscope blades with our soft-shell case. Sets are available with “AA” or “C” cell handles and in either fiber optic or standard versions.

#### Fiber Optic Portable Sets with Case—MacIntosh and Miller

- #65101 Portable set includes laryngoscope blades (MacIntosh #3, Miller #0 and Miller #2), #60813 “C” cell handle and case #05620
- #65102 Portable set includes laryngoscope blades (MacIntosh #3, Miller #0 and Miller #2), #60814 “AA” cell handle and case #05620
- #65103 Portable set includes laryngoscope blades (MacIntosh #3 and MacIntosh #4), #60813 “C” cell handle and case #05620
- #65104 Portable set includes laryngoscope blades (MacIntosh #3 and MacIntosh #4), #60814 “AA” cell handle and case #05620
- #05620 Portable case only, soft vinyl, zippered



## Standard Sets

Welch Allyn standard lamp laryngoscopes are available in complete sets. Choose from either a four-blade MacIntosh, E-MacIntosh or five-blade Miller set. Each contains both "AA" and "C" cell battery handles.



#69096

### Standard Sets with Case

- #69096 **MacIntosh** standard set includes blade sizes #1, 2, 3 and 4, #60300 "C" cell battery handle, #60400 "AA" cell battery handle and case #05691
- #68096 **Miller** standard set includes blade sizes #1, 2, 3 and 4, #60300 "C" cell battery handle, #60400 "AA" cell battery handle and case #05681
- #69097 **E-MacIntosh** standard set includes blade sizes #1, 2, 3 and 4, #60300 "C" cell battery handle, #60400 "AA" cell battery handle and case #05791

## Popular Mixed-Blade Style Standard Sets with Case

### MacIntosh and Miller Universal Sets

- #65221 Universal set (MacIntosh #3 and 4, Miller #0 and 2) with #60300 "C" cell and #60400 "AA" cell battery handles and case #05700
- #65222 Universal set (MacIntosh #3 and 4, Miller #0 and 2) with #60300 "C" cell and #60305 stubby battery handles and case #05700
- #65223 Universal set (MacIntosh #3 and 4, Miller #0 and 2) with #60400 "AA" cell and #60305 stubby battery handles and case #05700

### E-MacIntosh and Miller Universal Sets

- #65224 Universal set (E-MacIntosh #3 and 4, Miller #0 and 2) with #60300 "C" cell and #60400 "AA" cell battery handles and case #05701
- #65225 Universal set (E-MacIntosh #3 and 4, Miller #0 and 2) with #60300 "C" cell and #60305 stubby battery handles and case #05701
- #65226 Universal set (E-MacIntosh #3 and 4, Miller #0 and 2) with #60400 "AA" cell and #60305 stubby battery handles and case #05701

## Standard Portable Sets with Case

We've combined three of the most commonly used laryngoscope blades with our soft-shell case. Sets are available with "AA" or "C" cell handles and in either fiber optic or standard versions.





#65202

MacIntosh #3, Miller #0 and #2 and Penlight Handle with Case

- #65201 Portable set includes laryngoscope blades (MacIntosh #3, Miller #0 and Miller #2), #60300 "C" cell handle and case #05620
- #65202 Portable set includes laryngoscope blades (MacIntosh #3, Miller #0 and Miller #2), #60400 "AA" cell handle and case #05620
- #65203 Portable set includes laryngoscope blades (MacIntosh #3 and MacIntosh #4), #60300 "C" cell handle and case #05620
- #65204 Portable set includes laryngoscope blades (MacIntosh #3 and MacIntosh #4), #60400 "AA" cell handle and case #05620
- #05620 Portable case only, soft vinyl, zippered

## REPLACEMENT PARTS

### Replacement Parts for Standard Blades

Part #		MacIntosh	E-MacIntosh	Miller
#04700		#69041 #69042	#69241 #69242	#68040 #68041 #68045
#04800		#69043 #69044	#69243 #69244	#68042 #68043 #68044

### Replacement Parts for Fiber Optic Handles

Description	HPX Lamp Cartridge Assembly (HPX Lamp Included)	HPX Lamp	Switch Punger/Lamp Shield
2.5 V Part #	#608125-501	#06000	#608107
3.5 V Part #	#60835-501	#03000-U	#60810

For information on replacement lamps for obsolete Welch Allyn laryngoscopes, please refer to our diagnostic instrument catalog or call Welch Allyn customer service at 315.685.4560.

### Replacement Parts for Light Pipe Assemblies

Fiber Optic	Blade Size	Light Pipe Assembly	Standard	Blade Size	Light Pipe Assembly
MacIntosh	1	#690123-501	MacIntosh	1	#690133-501
	2	#690123-502		2	#690133-502
	3	#690123-503		3	#690133-503
	4	#690123-504		4	#690133-504
E-MacIntosh	1	#690124-501	E-MacIntosh	1	#690134-501
	2	#690124-502		2	#690134-502
	3	#690124-503		3	#690134-503
	4	#690124-504		4	#690134-504
Miller	00	#690122-505	Miller	00	#690132-505
	0	#690122-500		0	#690132-500
	1	#690122-501		1	#690132-501
	2	#690122-502		2	#690132-502
	3	#690122-503		3	#690132-503
	4	#690122-504		4	#690132-504

Retaining screw for all fiber optic light pipe assemblies—  
#690015-501

Retaining screw for all standard light pipe assemblies—  
#690015-501

Welch Allyn fiber optic blades and handles conform to ASTM F1195 and ISO 7376-3 standards and are color-coded green to signify compatibility.

Welch Allyn standard blades and handles conform to the ASTM F965 and ISO 7376-1, -2. Standard blades are color-coded black to differentiate them from fiber optic blades.

**WelchAllyn®**

Advancing Frontline Care™