



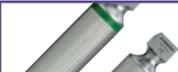
The familiar way



Perfectly shaped laryngoscopes
with persuasive advantages.

Laryngoscopes



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Laryngoscopes

Riester laryngoscopes are reliable quality products. They are excellently finished and guarantee extreme durability. All handles and blades are made of high quality materials and are subjected to strict quality controls.

The Riester program comprises all conventional laryngoscope models with excellent XL 3.5 V or 2.5 V xenon illumination and fiber optics or with tried and tested 2.7 V vacuum illumination.

- Exceptionally high light intensity thanks to XL xenon illumination technology and the extra-strong fiber bundles of the F.O. blade.
- Macintosh and Miller blades with innovative blade design for optimum visibility of the epiglottis and vocal chords, simple insertion of the endotracheal tube.
- Large choice of power sources:
 - manoeuvrable and sturdy battery handles and
 - practical charging bases.
- Wide selection of laryngoscope sets for paediatrics and adults with particularly convincing cost effectiveness. All handles and blades are supplied singly and each can be individually combined within the fiber optics or standard model ranges.

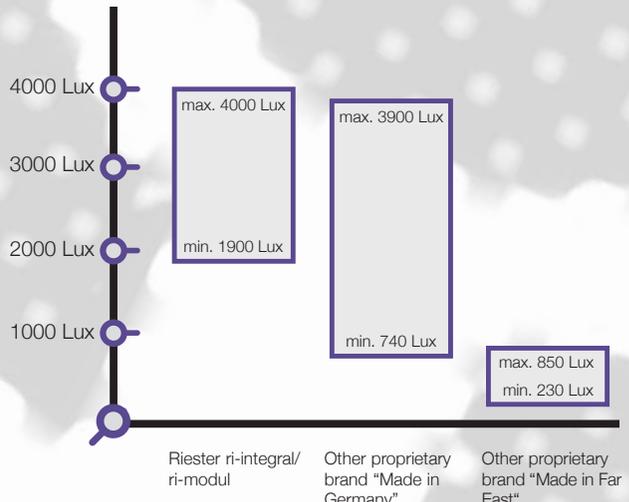
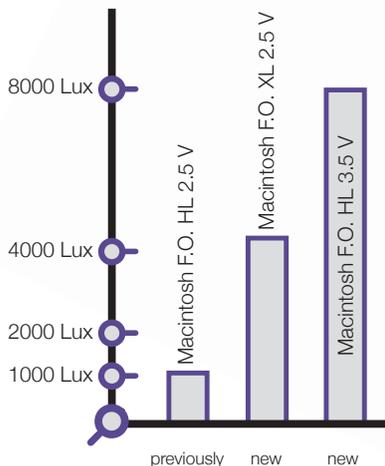


illumination technology and exceptionally high quality F.O.

Riester XL sheds light on your examination! The convincing result of intensive research and development work: clearly visible increase in brightness values when using the XL illumination technology and high quality F.O.

Test results* prove the excellent light intensity and durability of Riester F.O. blades and their suitability for long-term continuous use.

*Test results after 1200 autoclaving cycles (134° C for 5 minutes with the Melag Vacuklav 31). Measurements were performed using a 2.5 V XL Xenon lamp at constant light output at a distance of 40 mm from the distal end of the blade (size 3).



F.O. laryngoscopes

Riester F.O. laryngoscopes pave the way for the future. XL illumination technology, high-quality fiber optics and special blade design ensure optimum visibility and simple intubation.

- With XL 3.5 V or 2.5 V xenon lamp for bright, white light.
- Lamp integrated into the handle with metal contacts simplifies autoclaving of the blades.
- Optimum light transmission thanks to fiber optics, with extra-strong fiber bundles.
- Macintosh F.O. and Miller F.O. blades with integrated light conductor and optional Macintosh F.O. blade with removable light conductor.
- Long service life with autoclaving cycles of 134° C for 5 minutes.*
- Stainless steel blades with refined surface finish, easy-to-clean blade surface.
- Special blade designs offer excellent visibility of the vocal chords and epiglottis and simplify insertion of the endotracheal tube.
- Choice of charging handles or battery handles type AA or type C for charging in the charging base ri-charger® or non-rechargeable.
- All blades are compatible with handles complying with ISO 7376.
- Hard and soft cases are available for individual combinations of up to five blades and one handle.

* Testing of the suitability for autoclaving was performed with the Melag Vacuklav 31.

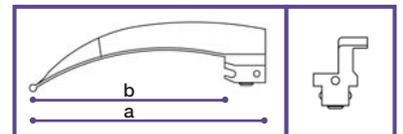
ri-integral

- With integrated F.O. light conductor. Particularly easy to clean, as there are no external conductors and openings to become contaminated!
- Outstanding light intensity through XL xenon illumination and strong fiber bundles.
- Blade design for simple intubation.

ri-integral Macintosh F.O. blade



- The clear design of the Macintosh F.O. blade with no edges or corners simplifies cleaning and autoclaving.
- Exceptionally high light intensity with XL xenon illumination.
- Extra-strong fiber bundles with a cross-section of 17.3 mm ensure the best possible light intensity and durability.



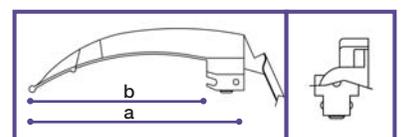
End view M 1:4 MAC 3

	Blade length a	Blade length b	Width at the distal end	Order numbers
MAC 0	81 mm	58 mm	9 mm	No. 12230
MAC 1	95 mm	72 mm	9 mm	No. 12231
MAC 2	116 mm	93 mm	13 mm	No. 12232
MAC 3	135 mm	114 mm	14.5 mm	No. 12233
MAC 4	155 mm	132 mm	14.5 mm	No. 12234
MAC 5	178 mm	155 mm	14.5 mm	No. 12235

ri-integral flex Macintosh F.O. blade



- Flexible blade with integrated F.O. light conductor.
- With bendable distal end.
- Outstanding light intensity with XL xenon illumination. Improved light transmission through extra-strong fiber bundles.
- New blade design for simple intubation: good visibility of the inlet of the larynx and vocal chords, reduced pressure in the pharyngeal area, minimised risk of injury.
- Available either in sizes 3 or 4.



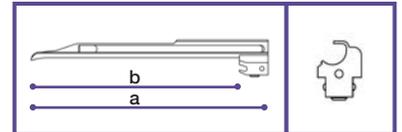
End view M 1:4 MAC 3

	Blade length a	Blade length b	Width at the distal end	Order numbers
MAC 3	132 mm	110 mm	14.5 mm	No. 12250
MAC 4	154 mm	133 mm	14.5 mm	No. 12251

ri-integral Miller F.O. blade



- The flat design of the F.O. blade improves visibility considerably and simplifies intubation.
- Atraumatic blade design.
- Blade size 00 for neonates.



End view M 1:4 MIL 3

	Blade length a	Blade length b	Width at the distal end	Order numbers
MIL 00	76 mm	52 mm	9 mm	No. 12240
MIL 0	80 mm	56 mm	9 mm	No. 12241
MIL 1	103 mm	80 mm	10.6 mm	No. 12242
MIL 2	154 mm	130 mm	12.5 mm	No. 12243
MIL 3	193 mm	169 mm	12.5 mm	No. 12244
MIL 4	211 mm	188 mm	14.5 mm	No. 12245

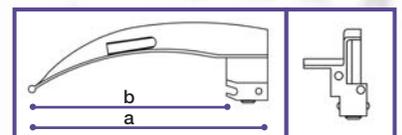


ri-modul

ri-modul Macintosh F.O. blade



- Macintosh F.O. blade with removable light conductor, simple to remove and refit without tools.
- Reasonably priced alternative thanks to modular construction.
- Unusually high light intensity with XL xenon illumination and excellent light transmission through strong fiber bundles.
- Optimum blade design for easy intubation and improved visibility.



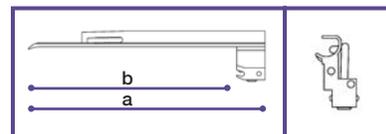
End view M 1:4 MAC 3

	Blade length a	Blade length b	Width at the distal end	Order numbers
MAC 0	81 mm	58 mm	9 mm	No. 12260
MAC 1	95 mm	72 mm	9 mm	No. 12261
MAC 2	116 mm	93 mm	13 mm	No. 12262
MAC 3	133 mm	110 mm	14.5 mm	No. 12263
MAC 4	155 mm	130 mm	15.5 mm	No. 12264
MAC 5	170 mm	150 mm	15.5 mm	No. 12272

ri-modul Miller F.O. blade



- Miller F.O. blade with removable light conductor, simple to remove and refit without tools.
- Reasonably priced alternative thanks to modular construction.
- Unusually high light intensity with XL xenon illumination and excellent light transmission through strong fiber bundles.
- Blade size 00 for neonates.



End view M 1:4 MIL 3

	Blade length a	Blade length b	Width at the distal end	Order numbers
MIL 00	44 mm	67 mm	10 mm	No. 12274
MIL 0	54 mm	78 mm	10 mm	No. 12275
MIL 1	79 mm	101 mm	10 mm	No. 12276
MIL 2	131 mm	155 mm	13 mm	No. 12277
MIL 3	172 mm	195 mm	13 mm	No. 12278
MIL 4	182 mm	205 mm	17 mm	No. 12279

Accessories



Light conductor

for ri-modul Macintosh F.O. blades

- Secure fitting and removal with ball mechanism.

MAC 0	No. 12265
MAC 1	No. 12266
MAC 2	No. 12267
MAC 3	No. 12268
MAC 4	No. 12269
MAC 5	No. 12273



Light conductor

for ri-modul Miller F.O. blades

- Secure fitting and removal with ball mechanism.

MIL 00	No. 12280
MIL 0	No. 12281
MIL 1	No. 12282
MIL 2	No. 12283
MIL 3	No. 12284
MIL 4	No. 12285

Standard laryngoscopes

The quality laryngoscopes with vacuum illumination convince through their interesting cost effectiveness due to an almost unlimited service life. Well thought-out design guarantees simple handling in daily use.

ri-standard

- With reliable 2.7 V vacuum light source for good illumination of the examination area.
- Quick-to-remove lamp at the front of the blade.
- Can be autoclaved at 134° C for 5 minutes.*
- Stainless steel blades with easy-to-clean blade surface.
- Innovative blade design for simple intubation and good visibility.
- Either for chargeable handles or battery handles type AA or type C for charging in the ri-charger® charging base or non-rechargeable.
- All blades are compatible with handles complying with ISO 7376.
- Hard and soft cases are available for individual combinations of up to five blades and one handle.

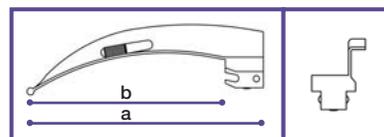


* Testing of the suitability for autoclaving was performed with the Melag Vacuklav 31.

ri-standard Macintosh blade



- The rounded edges of the Macintosh blade reduce the risk of injury.



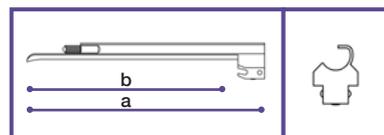
End view M 1:4 MAC 3

	Blade length a	Blade length b	Width at the distal end	Order numbers
MAC 0	81 mm	60 mm	9 mm	No. 12210
MAC 1	95 mm	72 mm	9 mm	No. 12211
MAC 2	116 mm	93 mm	13 mm	No. 12212
MAC 3	133 mm	114 mm	14.5 mm	No. 12213
MAC 4	155 mm	132 mm	14.5 mm	No. 12214

ri-standard Miller blade



- The flat design of the Miller blade provides good visibility of the epiglottis and vocal chords.
- Blade size 00 for neonates.



End view M 1:4 MIL 3

	Blade length a	Blade length b	Width at the distal end	Order numbers
MIL 00	67 mm	45 mm	10 mm	No. 12220
MIL 0	78 mm	57 mm	10 mm	No. 12221
MIL 1	103 mm	80 mm	10 mm	No. 12222
MIL 2	154 mm	132 mm	13.5 mm	No. 12223
MIL 3	195 mm	173 mm	13.5 mm	No. 12224
MIL 4	205 mm	183 mm	17 mm	No. 12225

Lamps



*



illumination technology

XL 2.5 V xenon lamp

for F.O. laryngoscopes XL 2.5 V
Pack of 6

No. 11428



*



illumination technology

XL 3.5 V xenon lamp

for F.O. laryngoscopes XL 3.5 V
Pack of 6

No. 11429



*

2.7 V vacuum lamp, small

for standard laryngoscopes ri-standard Miller
No. 00 to 1
Pack of 6

No. 11380



*

2.7 V vacuum lamp, large

for standard laryngoscopes ri-standard Miller
No. 2 to 4, Macintosh No. 0 to 4
Pack of 6

No. 11381

* All lamps are shown in the original size.

Power sources

A large number of high quality and durable power sources are available for Riester quality laryngoscopes. From sturdy handles to reliable charging bases.

Handles

The sturdy handles are the basis of every reliable examination. Well thought-out ergonomics ensures comfortable handling.

- Solid handles made of chromium plated metal.
- Fluted handle surface for hygienic usage and a secure grip in the hand.
- Practically wear-free, standard holding fixture for the blade.
- Solid metal contact for reliable activation of illumination.
- Simple change of batteries at the base of the handle.
- Choice of battery handles available for charging in the ri-charger® charging base or non-rechargeable handles in the sizes type AA or type C, respectively.

- All Riester laryngoscope handles are standardized according to ISO 7376.



Durable metal contact for activating the illumination.



Battery handles type C

for charging in the ri-charger® charging base

- For two batteries type C or a ri-accu® rechargeable NiMH battery.
- Simple recharging in the ri-charger® charging base.
- Handle diameter: 28 mm.
- Handles for F.O. laryngoscopes including lamp.
- ri-accu® rechargeable NiMH battery, not included.

for F.O. laryngoscopes

No. 12300 XL 2.5 V
No. 12301 XL 3.5 V

for standard laryngoscopes

No. 12303

ri-accu® rechargeable NiMH battery



No. 10681 2.5 V

No. 10682 3.5 V

Alkaline battery 1.5 V, type C



No. 10686



Battery handles type C

non-rechargeable

- For two batteries type C.
- Handle diameter: 28 mm.
- Closed battery cover prevents liquids penetrating inside the battery compartment.
- Simple conversion to a charging handle by means of the open charging cover.
- Handles for F.O. laryngoscopes are supplied including the lamp.
- Without batteries.

for F.O. laryngoscopes

No. 12305 XL 2.5 V

for standard laryngoscopes

No. 12307



The battery compartment is protected from liquids thanks to the closed battery cover.

Alkaline battery 1.5 V, type C



No. 10686

Accessories



Charging cover type C, open

- For simple conversion to a rechargeable battery handle.
- With screw thread.

No. 12270



If the handle is equipped with the open charging cover, it can be recharged in conjunction with ri-accu® in the ri-charger® charging base.



Battery handles type AA for charging in the ri-charger® charging base

- For two batteries type AA or a ri-accu® rechargeable NiMH battery.
- Simple charging in the ri-charger® charging base.
- Handle diameter: 19 mm.
- Handles for F.O. laryngoscopes including lamp.
- ri-accu® rechargeable NiMH without battery.

for F.O. laryngoscopes
No. 12302 XL 2.5 V

for standard laryngoscopes
No. 12304

ri-accu® rechargeable NiMH battery	No. 10680	2.5 V
Alkaline battery 1.5 V, type AA, Pack of 4	No. 10685	



Short battery handles and battery handles type AA, non-rechargeable

- For two batteries type AA.
- Handle diameters: Type AA: 19 mm, short handle: 32 mm.
- Closed battery compartment cover prevents liquid penetrating.
- Simple conversion from handle type AA to a charging handle by means of the open charging cover. No conversion possible from a short handle to a charging handle.
- Handles for F.O. laryngoscopes including lamp.
- Without batteries.

for F.O. laryngoscopes
Type AA
No. 12306 XL 2,5 V

Short handle
No. 12309

for standard laryngoscopes

Type AA
No. 12308
Short handle
No. 12310

Alkaline battery 1.5 V, type AA, Pack of 4	No. 10685	
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Accessories



Charging cover type AA, open

- For simple conversion to a rechargeable battery handle.
- With screw thread.

No. 12271



By means of the open charging cover and the reduction insert, the handle can be charged in the ri-charger® charging base.

Charging bases

The ri-charger® with impulse charging technology prolongs the service life of the ri-accu® rechargeable NiMH battery. Battery handles type AA can be charged with the reduction insert. After each use, instruments are replaced on the charging base so that they remain operational at all times. If different voltages or country-specific plugs are needed with the standard models, we request you to give us exact details with your enquiries and orders.

- Simultaneous charging of 2.5 V and 3.5 V handles possible.
- Can be used as desk or wall model.
- With practical storage compartment for two replacement lamps and ear specula.
- Status indicator of charging process displayed on the device:
 - Yellow control lamp: charging in process.
 - Green control lamp: charging finished.



ri-charger®
complete, with wall mounting
• for all rechargeable handles 2.5 V and 3.5 V.

No. 10700 230 V
No. 10701 120 V

Accessories

Wall mounting		with screws and plugs	No. 10710
Reduction insert		for handles AA	No. 10711
Cover		for ear specula compartment	No. 10712

Cases



Laryngoscope case
• Case for individual blade and handle combinations.
• Individual equipping with up to five blades and one handle.

No. 11389 black

Sets

Riester offers a large selection of laryngoscope sets at attractive prices. The sets are equipped with various handles and can be optionally ordered in combination with the ri-charger® charging base.

- F.O. laryngoscope sets are equipped with XL xenon lamps 3.5 V or 2.5 V, standard sets with 2.7 V vacuum lamps.
- The charging handles are charged in the ri-charger® charging device and are equipped with a ri-accu® rechargeable NiMH battery. The non-rechargeable battery handles have a closed battery compartment and are supplied without batteries.
- Supplied in a hard protective case with safety catches.
- **Case for individual combinations of up to five blades and one handle, see pages 9 and 11.**



F.O. laryngoscopes

	ri-integral Macintosh F.O. <i>With blades No. 2, 3 and 4.</i>	ri-integral Macintosh F.O. baby <i>With blades No. 0, 1 and 2.</i>	ri-integral Miller F.O. <i>With blades No. 2, 3 and 4.</i>
Battery handle type C, non-rechargeable 	No. 8040 XL 2.5 V		No. 8060 XL 2.5 V
Battery handle type AA, non-rechargeable 		No. 8050 XL 2.5 V	
Battery handle type C, rechargeable + ri-accu® + ri-charger® 	No. 8045 XL 3.5 V/230 V No. 8046 XL 3.5 V/120 V		No. 8065 XL 3.5 V/230 V No. 8066 XL 3.5 V/120 V
Battery handle type AA, rechargeable + ri-accu® + ri-charger® 		No. 8051 XL 2.5 V/230 V No. 8052 XL 2.5 V/120 V	
	ri-modul Macintosh F.O. <i>With blades No. 2, 3 and 4.</i>	ri-modul Macintosh F.O. baby <i>With blades No. 0, 1 and 2.</i>	ri-modul Miller F.O. <i>With blades No. 2, 3 and 4.</i>
Battery handle type C, non-rechargeable 	No. 8080 XL 2.5 V		No. 8100 XL 2.5 V
Battery handle type AA, non-rechargeable 		No. 8090 XL 2.5 V	
Battery handle type C, rechargeable + ri-accu® + ri-charger® 	No. 8085 XL 3.5 V/230 V No. 8086 XL 3.5 V/120 V		No. 8105 XL 3.5 V/230 V No. 8106 XL 3.5 V/120 V
Battery handle type AA, rechargeable + ri-accu® + ri-charger® 		No. 8091 XL 2.5 V/230 V No. 8092 XL 2.5 V/120 V	



Zip case for individually equipping with up to a maximum of five blades and one handle.

Standard laryngoscopes



ri-integral Miller F.O. baby
With blades No. 0, 1 and 2.

No. 8070 XL 2.5 V

No. 8071 XL 2.5 V/230 V
No. 8072 XL 2.5 V/120 V

Battery handle type C, non-rechargeable



Battery handle type AA, non-rechargeable



Battery handle type C, rechargeable



+ ri-accu® + ri-charger®



Battery handle type AA, rechargeable



+ ri-accu® + ri-charger®



ri-standard Macintosh
With blades No. 2, 3 and 4.

No. 7040 2.7 V

No. 7041 2.7 V/230 V
No. 7042 2.7 V/120 V



ri-standard Macintosh baby
With blades No. 0, 1 and 2.

No. 7050 2.7 V

No. 7051 2.7 V/230 V
No. 7052 2.7 V/120 V



ri-modul Miller F.O. baby
With blades No. 0, 1 and 2.

No. 8110 XL 2.5 V

No. 8111 XL 2.5 V/230 V
No. 8112 XL 2.5 V/120 V

Battery handle type C, non-rechargeable



Battery handle type AA, non-rechargeable



Battery handle type C, rechargeable



+ ri-accu® + ri-charger®



Battery handle type AA, rechargeable



+ ri-accu® + ri-charger®



ri-standard Miller
With blades No. 2, 3 and 4.

No. 7060 2.7 V

No. 7061 2.7 V/230 V
No. 7062 2.7 V/120 V



ri-standard Miller baby
With blades No. 0, 1 and 2.

No. 7070 2.7 V

No. 7071 2.7 V/230 V
No. 7072 2.7 V/120 V

diplomat-presameter®



minimus® II



ri-san®



exacta®



big ben®



ri-handy®



ri-mini®



ri-scope®



ri-thermo®



cardiophon®



ri-focus®



Laryngoscope



graeve



buck



Tuning forks



ri-clip®



Riester offers a large selection of products in the areas of
 Blood pressure measuring devices | Instruments for ENT,
 Ophthalmological instruments | Dermatological instruments |
 Thermometers | Stethoscopes | Head mirrors, Head lights,
 Examination lights | Laryngoscopes | Gynaecological instruments |
 Percussion hammers | Tuning forks | Products for blood stasis |
 Pulmonary pressure measuring devices | Dynamometers |

Pressure infusion instruments | Veterinary instruments |
 Doctor's cases and bags

Detailed descriptions of the products can be found in
 the respective sections of the omnibus edition catalogue
 (Order No. 51232-50). Or online under www.riester.de.

Rudolf Riester GmbH & Co. KG
 P.O. Box 35 • DE-72417 Jungingen
 Germany
 Tel.: +49 7141 92 70-0
 Fax: +49 7141 92 70-70
info@riester.de
www.riester.de