

HEINE Laryngoscopes

The F.O. Laryngoscope range
with the PLUS.



LED NO

LED NOW IN HEINE QUALITY.



QUALITY HAS A NAME HEINE



HEINE Optotechnik, with corporate headquarters to the south of Munich, has been developing and producing top-quality diagnostic instruments since 1946. Healthcare professionals around the world consider HEINE the premier name for innovative design, performance, quality and durability. Today, HEINE sets the standard by which all other diagnostic instruments are measured.

Still a family owned company, HEINE is now the world's largest exporter of primary, hand-held diagnostic instruments.



Engineering/Manufacturing

Working in modern production facilities in Germany, HEINE engineers contribute their expertise in optical fibers and glass, special alloys, advanced thermoplastics and other related fields to continually improve HEINE instruments with state-of-the-art concepts, technology and manufacturing techniques. The results of our continuing efforts are innovative designs that enhance diagnostic skills.



Sales and Service

More than 5,000 HEINE medical instrument distributors are located throughout the world. This means that the complete HEINE line is not only available everywhere, but that trained and qualified personnel stand ready to answer your questions and service your instrument should the need ever arise. Wherever your practice is or may take you, you'll find a HEINE distributor or representative nearby.

We look forward to hearing from you and to the opportunity of meeting your diagnostic instruments needs.



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For information on other HEINE products, please order the HEINE Master Catalogue or visit www.heine.com.



Laryngoscopes

THE HEINE F.O. LARYNGOSCOPE RANGE WITH THE PLUS

LED- and XHL Xenon Halogen-Technology

The HEINE Classic+ F.O. Laryngoscope range combines HEINE HiLite fiber optic bundles with the latest HEINE LED- and XHL Xenon Halogen-Technology for HEINE F.O. Laryngoscope Handles to provide an excellent system.

With this innovative illumination technology HEINE F.O. Laryngoscopes are now further ahead of conventional F.O. blades and handles than ever.

The HEINE HiLite fiber optic bundle with a diameter up to 100% larger has not only excellent light transmission, but is also autoclavable to an unprecedented extent.

Complete compatibility

The versatile HEINE range of handles offers the right alternative for almost any combination: Laryngoscope handles with and without charge status display, various handle diameters and lengths, with 2.5V batteries, 2.5V or 3.5V NiMH or Lithium batteries together with the new NT300 table charger.

5 year warranty for blades (4000 standard autoclave cycles of 134°C/4 min. with more than 1000 lux.)

HEINE products excel through fine workmanship and quality materials. This allows HEINE to give a 5 year warranty on all handles and blades with HEINE HiLite fiber optic bundles.

HEINE F.O. Laryngoscope Blades and Handles are conform to the ISO 7376 (green standard).



LED

LED NOW IN HEINE QUALITY.



HEINE Laryngoscopes



	Size								
00		<input type="checkbox"/>							
0	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>			<input type="checkbox"/>
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3m	<input type="checkbox"/>								
4	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>								
	Material								
Stainless Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
SANALON					<input type="checkbox"/>				
Polycarbonate/Acryl							<input type="checkbox"/>	<input type="checkbox"/>	
	Diameter of HiLite Fiber Bundle in mm								
	4.3	3.7	3.7	3.6	3.4	3.0	4.3	n/a	n/a
	Reusable / Sterilizable								
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Sterilisation without disassembly								
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		
	Suitable for low ambient temperatures								
								<input type="checkbox"/>	<input type="checkbox"/>
	Warranty								
5 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4000 Ster. Cycl.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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⊗: Single use only.

HEINE® Classic+ Macintosh Fiber Optic (F.O.) Blades

Innovative Fiber Optic Technology for advanced performance

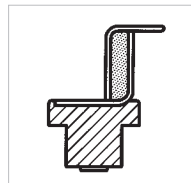


∴ Easy intubation

∴ 4000 autoclave cycles

∴ 5 year warranty

- ∴ **HEINE HiLite fiber bundle** with 4.3mm dia. and up to 6500 individual micro-fibers for improved light transmission and longer life.
- ∴ **Both ends of the large fiber bundle** are protected – for life.
- ∴ **Integrated Fiber Optic for the best possible illumination.**
- ∴ **With the alternative of LED- or XHL-illumination:** With either 3x or 40% brighter light as with conventional halogen bulbs.
- ∴ With Classic+ there are **no connecting screws** to get lost, no external light pathways to get wrong and no tricky openings or crevices to get dirty – a major contribution to eliminating cross-infection.
- ∴ **Smooth shape avoids sharp edges and cavities** for easy cleaning and sterilizing.
- ∴ **These blades need no maintenance** – ever.
- ∴ **Compatible with all handles** to the ISO 7376 (green standard).
- ∴ **High quality stainless steel construction.**
- ∴ **HEINE guarantees** all blades with HiLite fiber bundles for **5 years**. 4000 standard autoclave cycles of 134 °C/4 min. with more than 1000 lux.



Mac 3 end-view



Mac 3 side-view

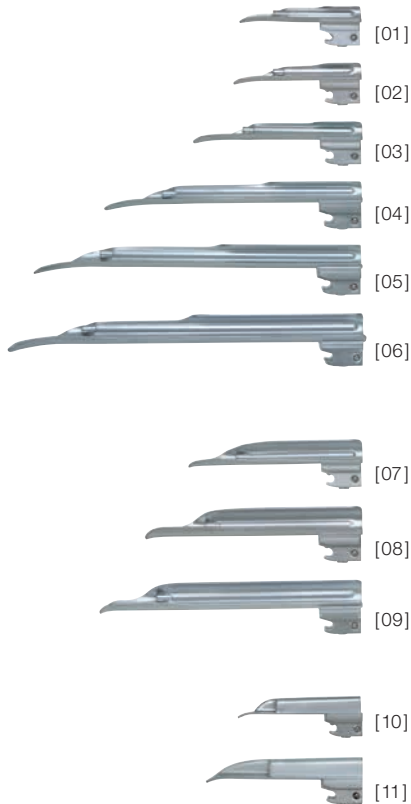


Size	Overall length	Distal width	
Mac 0 [01]	82mm	9mm	F-000.22.100
Mac 1 [02]	93mm	11mm	F-000.22.101
Mac 2 [03]	115mm	13mm	F-000.22.102
Mac 3m* [04]	135mm	15mm	F-000.22.143
Mac 3 [05]	135mm	15mm	F-000.22.103
Mac 4 [06]	155mm	15mm	F-000.22.104
Mac 5 [07]	176mm	15mm	F-000.22.105

* stronger curve

HEINE® Classic+ Miller, WIS and Paed Fiber Optic (F.O.) Blades

Innovative Fiber Optic Technology for advanced performance



- ∴ **The Miller Classic+ F.O. Blades with improved geometry simplify intubation.**
The shortened shoulder of the blade dramatically improves the anesthetist's view of the epiglottis and vocal cords. The distal lip of the blade features a special atraumatic shape.
- ∴ **HEINE HiLite fiber bundle** for improved light transmission and longer life.
- ∴ **Both ends of the large fiber bundle** are protected – for life.
- ∴ **With the alternative of LED- or XHL-illumination:** With either 3x or 40% brighter light as with conventional halogen bulbs.
- ∴ With classic+ there are **no connecting screws** to get lost, no external light pathways to get wrong and no tricky openings or crevices to get dirty – a major contribution to eliminating cross-infection.
- ∴ **Smooth shape avoids sharp edges and cavities** for easy cleaning and sterilizing.
- ∴ These blades need **no maintenance** – ever.
- ∴ **Compatible** with all handles to the ISO 7376 (green standard).
- ∴ **High quality stainless steel construction.**
- ∴ **HEINE guarantees** all blades with HiLite fiber bundles for **5 years**. 4000 standard autoclave cycles of 134 °C/4 min. with more than 1000 lux.
- ∴ **HEINE Paed laryngoscopes** have been developed specifically for the intubation of neonates and infants.



Miller 2 end-view



WIS 2 end-view



Paed 1 end-view



Miller 2 side-view



WIS 2 side-view



Paed 1 side-view

- ∴ Easy intubation
- ∴ 4000 autoclave cycles
- ∴ 5 year warranty

Size	Overall length	Distal width	
Miller 00 [01]	76mm	9.5mm	F-000.22.119
Miller 0 [02]	80mm	10.5mm	F-000.22.120
Miller 1 [03]	100mm	11.5mm	F-000.22.121
Miller 2 [04]	152mm	13mm	F-000.22.122
Miller 3 [05]	192mm	13mm	F-000.22.123
Miller 4 [06]	207mm	15.9mm	F-000.22.124
WIS 1 [07]	110mm	13mm	F-000.22.131
WIS 2 [08]	130mm	16mm	F-000.22.132
WIS 3 [09]	160mm	16mm	F-000.22.133
Paed 0 [10]	82mm	12mm	F-000.22.110
Paed 1 [11]	95mm	13mm	F-000.22.111

HEINE® Mac Modular+ Fiber Optic (F.O.) Laryngoscope Blades

With easy-to-remove Fiber Optic Light Module



Mac Modular+ F.O. Laryngoscope Blades: Both blade and light module are autoclavable and can be fitted or removed in seconds without a screwdriver. The light module does not project into the line of sight, making intubation safer and easier.

- ∴ **HEINE HiLite fiber bundle** for improved light transmission and longer life.
- ∴ **With the alternative of LED- or XHL-illumination:** With either 3x or 40% brighter light as with conventional halogen bulbs.
- ∴ **Modular construction** – swap modules in a few seconds.
- ∴ **Ideal Mac shape** with no light pipe in the line of sight.
- ∴ **Blade module made entirely of stainless steel.**
- ∴ **Economical** modular design.
- ∴ **Compatible** with all handles to the ISO 7376 (green standard).
- ∴ **High quality stainless steel construction.**
- ∴ **5 years warranty.** 4000 standard autoclave cycles of 134 °C/4 min. with more than 1000 lux.



Mac 3 F.O. Modular+ blade, complete



Mac 3 Blade module, stainless steel



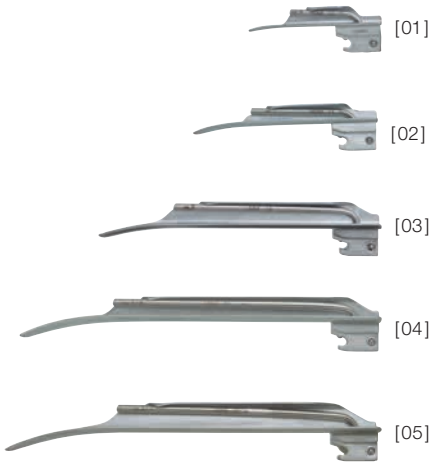
Mac 3 F.O. Light module

Dimensions	Overall length	Distal width
Mac 1	95 mm	12 mm
Mac 2	114 mm	15 mm
Mac 3	133 mm	15 mm
Mac 4	156 mm	15 mm

Size	F.O. Modular+ blade, complete	Blade module, metal	F.O. Light module
Mac 1 [01]	F-000.22.501	F-000.22.531	F-000.22.561
Mac 2 [02]	F-000.22.502	F-000.22.532	F-000.22.562
Mac 3 [03]	F-000.22.503	F-000.22.533	F-000.22.563
Mac 4 [04]	F-000.22.504	F-000.22.534	F-000.22.564

HEINE® Miller Modular+ Fiber Optic (F.O.) Laryngoscope Blades

With easy-to-remove Fiber Optic Light Module



Miller Modular+ F.O. Laryngoscope Blades: Both blade and light module are autoclavable and can be fitted or removed in seconds without a screwdriver. The improved geometry guarantees a clear, unobstructed view of the epiglottis and vocal cords. The distal lip of the blade features a special atraumatic shape.

- ∴ **HEINE HiLite fiber bundle** for improved light transmission and longer life.
- ∴ **With the alternative of LED- or XHL-illumination:** With either 3x or 40% brighter light as with conventional halogen bulbs.
- ∴ **Blade with quickly-detachable fiber optic light module.**
- ∴ **Blade and light modules both autoclavable up to 134 °C/4 min.**
- ∴ The ideal position of the fiber optic bundle **eases intubation.**
- ∴ **Compatible** with all handles to the ISO 7376 (green standard).
- ∴ **High quality stainless steel construction.**
- ∴ **5 years warranty.** 4000 standard autoclave cycles of 134 °C/4 min. with more than 1000 lux.



Miller 2 F.O. Modular+ blade, complete



Miller 2 blade module, metal



Miller 2 F.O. Light module

Dimensions	Overall length	Distal width
Miller 0	76 mm	11 mm
Miller 1	104 mm	12 mm
Miller 2	154 mm	15 mm
Miller 3	195 mm	15 mm
Miller 4	205 mm	17 mm

Size	F.O. Modular+ blade, complete	Blade module metal	F.O. Light module
Miller 0 [01]	F-000.22.510	F-000.22.540	F-000.22.570
Miller 1 [02]	F-000.22.511	F-000.22.541	F-000.22.571
Miller 2 [03]	F-000.22.512	F-000.22.542	F-000.22.572
Miller 3 [04]	F-000.22.513	F-000.22.543	F-000.22.573
Miller 4 [05]	F-000.22.514	F-000.22.544	F-000.22.573

HEINE® FlexTip+ Fiber Optic (F.O.) Laryngoscope Blade

A useful Tip for a difficult intubation

⚡ Swivelling blade tip

⚡ Clear view

⚡ 5 year warranty

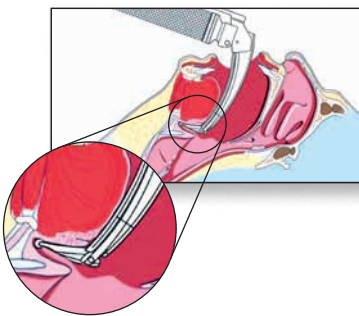


[01]

The FlexTip+ is a Macintosh Laryngoscope Blade with a tip which is adjustable through 70°. A lever controls the tip angle during intubation to lift the epiglottis, giving a clear view of the vocal cords. Contact with the upper row of teeth and unnecessary pressure on the tongue and soft tissue are avoided.

- ⚡ **HEINE HiLite fiber bundle.** With a 4.3 mm dia. and up to 6500 individual micro-fibers for improved light transmission and longer life.
- ⚡ **With the alternative of LED- or XHL-illumination:** With either 3x or 40% brighter light as with conventional halogen bulbs.
- ⚡ **Integrated Fiber Optics for the best possible illumination.**
- ⚡ **High quality stainless steel construction.**
- ⚡ **Swivelling blade tip facilitates difficult intubation.**
- ⚡ **Reduced likelihood of damage** to teeth and soft tissue.
- ⚡ **Fits all standard F.O. handles** (green standard). Exception: F.O. Angled Handle.
- ⚡ **5 years warranty.** 4000 standard autoclave cycles of 134 °C/4 min. with more than 1000 lux.

FlexTip+ F.O. Blade in case	Length	Distal width	
Mac 3 [01]	115 mm	13,2 mm	F-000.22.313
Mac 4	137 mm	13,2 mm	F-000.22.314
Mac 3 and Mac 4	115 mm/137 mm	13.2 mm/13.2 mm	F-000.22.316

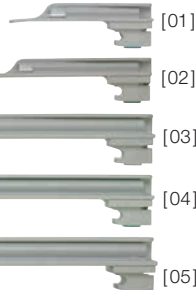


HEINE® XP Disposable Laryngoscope Blades

Eliminate cross-infection



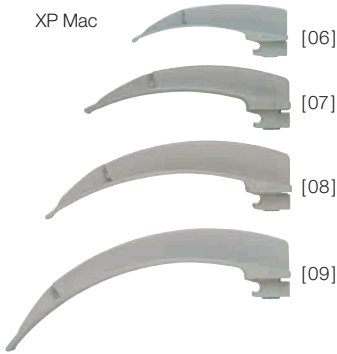
XP Miller



The Disposable Laryngoscope Blade features the HEINE Classic+ blade shape of the world's best-selling integral fiber optic blade. With proper use the disposable XP blade avoids cross-infection from one patient to the next.

- ∴ **No danger of cross-infection.**
- ∴ **Hygienic and safe.**
- ∴ **Optimum light transmission** by oversize light guide.
- ∴ **Extremely bright:** Highest level of illuminance with HEINE 2.5V or 3.5V LED illuminance within laryngoscope insert.
- ∴ **Blade shape optimized to ease the passage of the tube.**
- ∴ **Patient-friendly** with **reduced risk of injury** or damage to teeth.
- ∴ **Extreme torsional stiffness**, practically unbreakable.
- ∴ **Blades do not “freeze”** or stick to the tongue at low temperatures.
- ∴ **Compatible** with all handles to the ISO 7376 (green standard).

XP Mac



XP Miller 1 side-view



XP Mac 2 side-view

∴ Hygienic and safe

∴ Extremely bright light

∴ Torsional stiffness

XP blade	Overall length	Distal width	
Miller 0 [01]	80mm	10mm	F-000.22.771*
Miller 1 [02]	104mm	10mm	F-000.22.772*
Miller 2 [03]	155mm	13mm	F-000.22.773*
Miller 3 [04]	195mm	13mm	F-000.22.774*
Miller 4 [05]	221mm	14mm	F-000.22.775*
Mac 1 [06]	90mm	9mm	F-000.22.761*
Mac 2 [07]	114mm	10mm	F-000.22.762*
Mac 3 [08]	134mm	14mm	F-000.22.763*
Mac 4 [09]	154mm	14mm	F-000.22.764*

* 25 disposable blades individually packed in Dispenser Box.

For HEINE XP Emergency Set, please see page 022.

⊗: Single use only.

HEINE® XP Disposable Laryngoscope Handle Shell

Eliminates cross-infection



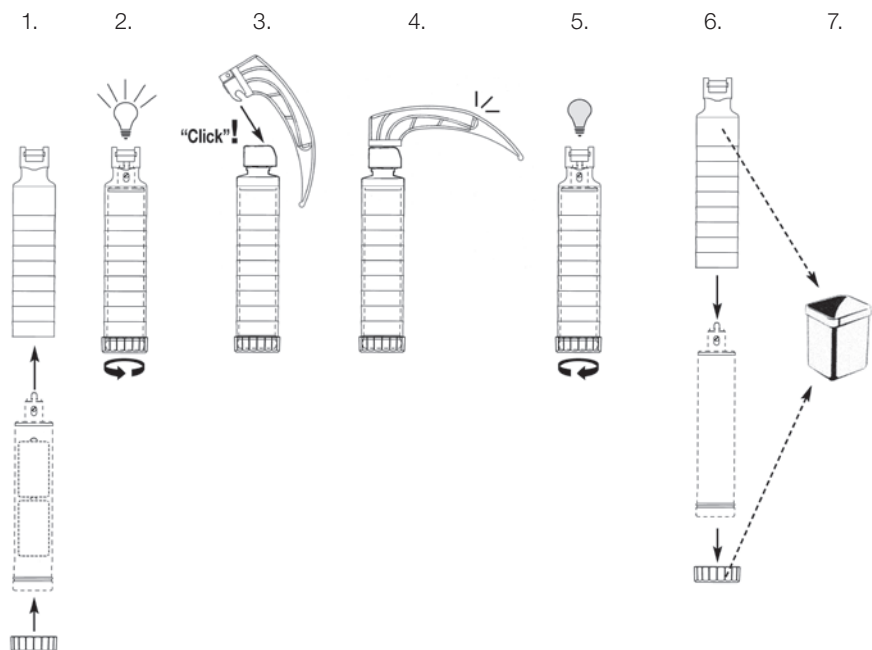
The disposable laryngoscope handle shell with the globally distributed laryngoscope insert is powered by the best-selling battery insert for HEINE F.O. handles. The laryngoscope insert can be removed from the handle shell after intubation without risk of contamination.

XP Disposable Laryngoscope Handle Shell with bottom cap

without laryngoscope insert, pack of 25 F-000.22.926

Standard F.O. Laryngoscope Insert	2.5V	3.5V NiMH	3.5V Li-ion
Laryngoscope insert for Standard F.O. handles with bottom cap and XHL Xenon Halogen bulb	F-001.22.858	F-002.22.868	F-007.22.868
XHL Xenon Halogen spare bulb	X-001.88.035	X-002.88.044	X-002.88.044

⊗: Single use only.



The XP disposable handle shell was especially designed for use with the 2.5V and 3.5V Xenon Halogen HEINE laryngoscope inserts. The HEINE laryngoscope insert is placed inside the disposable handle shell and the light is activated by turning the bottom cap. Following intubation, the user simply unscrews the bottom cap and the laryngoscope insert can be removed with no risk of contamination. The handle shell, the bottom cap and the XP blade are all disposed of.



Laryngoscope Handles and Sets

HEINE offers the most complete and versatile range of Laryngoscope handles on the market: From various sizes and lengths to 2.5V and 3.5V, in alkaline and rechargeable battery configurations (Lithium and NiMH), to exclusive charge status display functions and table chargers.

Our handles are illuminated by state-of-the-art LEDs or HEINE XHL Xenon Halogen bulbs, both meeting our high quality standards.

Laryngoscope handles are part of our LED^{HQ} series, which means LED now in HEINE Quality. They offer perfect luminosity and excellent colour rendering, as well as absolutely homogeneous illumination of the pharynx. Due to very efficient thermal management systems integrated into our handles, they offer virtually unlimited working life so that bulb replacement is no longer needed.

LED^{HQ}

LED NOW IN HEINE QUALITY.



HEINE® Standard F.O. Laryngoscope Handle with LED illumination



HEINE Standard F.O. Laryngoscope Handle [01] with handle shell and laryngoscope insert [02] with LED-Technology.



[01]

[02]

- ∴ **LED in HQ:** 3x brighter than conventional 3.5V halogen bulbs.
- ∴ **Authentic colour rendering:** Colour temperature: typically 5,200K, Colour Rendering Index >80. **The ideal light setting for a secure intubation.**
- ∴ **Exclusive Fade-Out Function:** The Standard F.O. LED Laryngoscope Handle provides maximum brightness at constant intensity. As soon as the dry cell batteries or the rechargeable battery reach a low level, the LED Laryngoscope Handle electronically releases a visible early indication of low battery status: By gradually reducing brightness (Fade-Out Function), the LED Laryngoscope Handles starts notifying the user to replace batteries or to charge the handle.
- ∴ **HEINE Standard F.O. LED handles can be converted from battery to rechargeable specification by exchanging the bottom cap.**
- ∴ **Compatible with all Laryngoscope Blades to the ISO 7376 (green standard).**

HEINE® Standard F.O. L Update Option for LED Handle



All LED handles can be updated with the Standard F.O. L bottom cap featuring **Charge Status Display**.

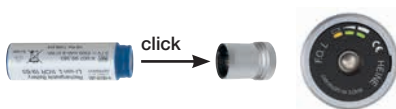
- ∴ **Charge Status Display** in the bottom insert. Display lights for 10 seconds when the handle is switched on or removed from the charger to indicate the remaining battery charge.
- ∴ **Two hours charging time** with the NT 300 table charger.
- ∴ **More than 5 hours working time.**
- ∴ **Downwards compatible.** The Li-ion L Rechargeable Battery with Standard F.O. L Rechargeable Handle can also be charged in existing NT200 table chargers.



Charge Status:
100 – 67 %

66 – 34 %

33 – 1 %



To upgrade existing laryngoscope handles, please order the Standard F.O. L bottom cap together with the corresponding Li-ion L Battery.

HEINE® Standard F.O. Laryng. Handle with Halogen illumination

HEINE Standard F.O. Laryngoscope Handle [01] with handle shell and laryngoscope insert [02] with XHL Xenon Halogen Technology.



- ∴ **Lightweight and convenient.**
- ∴ The handle **can be powered by either 2.5V batteries or a 3.5V rechargeable battery** for even more light. HEINE F.O. Handles can be converted from battery to rechargeable specification by exchanging the bottom cap.
- ∴ The Standard F.O. Laryngoscope Handle is also available with **Li-ion Technology** and **Charge Status Display** (see below).
- ∴ **The handle shell can be sterilized or autoclaved while the battery insert is being charged.** Also compatible with Sterrad® and other low-temperature gas plasma sterilisation procedures.
- ∴ **Compatible with all Laryngoscope Blades to the ISO 7376 (green standard).**

HEINE® Standard F.O. L Update Option



Standard F.O. and F.O. Angled Laryngoscope Handles with XHL Xenon Halogen illumination can be updated with the Standard F.O. L bottom cap featuring **Charge Status Display**.

- ∴ **Charge Status Display** in the bottom insert. Display lights for 10 seconds when the handle is switched on or removed from the charger to indicate the remaining battery charge.
- ∴ **Two hours charging time** with the NT 300 table charger.
- ∴ **2.5 hours working time.**
- ∴ **Downwards compatible.** The Li-ion L Rechargeable Battery with Standard F.O. L Rechargeable Handle can also be charged in existing NT 200 table chargers.

To upgrade existing laryngoscope handles, please order the Standard F.O. L bottom cap together with the corresponding Li-ion L Battery.



HEINE F.O. Laryngoscope Handles

Ordering Information



LED HQ Standard F.O. LED Laryngoscope Handle	2.5V	3.5V NiMH	3.5V Li-ion L
Standard F.O. LED handle, complete [01]	F-008.22.860	F-008.22.863	F-008.22.891
LED Laryngoscope insert without bottom cap [02]	F-008.22.890	F-008.22.890	F-008.22.890
Bottom cap [03] [04] [05]	F-001.22.861	F-002.22.867	F-002.22.887
Rechargeable battery [06] [07]	-	X-002.99.382	X-007.99.383
Handle shell [08]	F-000.22.824	F-000.22.824	F-000.22.824
NT300 charger, only (without handle)	-	X-002.99.495	X-002.99.495



Standard F.O. Laryngoscope Handle	2.5V	3.5V NiMH	3.5V Li-ion L
Standard F.O. handle, compl. [01]	F-001.22.860	F-002.22.863	F-007.22.885
Laryngoscope insert without bottom cap [02]	F-001.22.859	F-002.22.859	F-002.22.859
Bottom cap [03] [04] [05]	F-001.22.861	F-002.22.867	F-002.22.887
Rechargeable battery [06] [07]	-	X-002.99.382	X-007.99.383
Handle shell [08]	F-000.22.824	F-000.22.824	F-000.22.824
Spare bulb	X-001.88.035	X-002.88.044	X-002.88.044
NT300 charger, only (without handle)	-	X-002.99.495	X-002.99.495

L: Rechargeable handle with charge status display in the bottom insert.

In addition to the Standard F.O. Laryngoscope Handle HEINE offers a lot of further versions of laryngoscope handles to suit the needs of all customers. All handles listed are available both with replaceable and rechargeable batteries (except for the SANALON+ F.O. SP Laryngoscope handle). Caution: The Small and Short LED handles are available as 2.5V battery version (designation 2.5V) or as 2.5V rechargeable version (designation 2.5V NiMH).



LED HQ Small F.O. LED Laryngoscope Handle	2.5V	2.5V NiMH
Small F.O. LED Handle, complete [01]	F-008.22.800	F-008.22.806*
LED Laryngoscope insert without bottom cap [02]	F-008.22.801	F-008.22.801*
Bottom cap [03] [04]	F-000.22.851	F-000.22.852
LED Rechargeable battery M2Z [05]	-	X-001.99.306*
Handle Shell [06]	F-000.22.804	F-000.22.804
NT300 charger only (without handle/without adaptor)	-	X-002.99.495
Two adaptor sets for NT300 Charger	-	X-000.99.086

*only rechargeable with the NT300 recharging station starting with the serial number SN 101 1000 001.



Small F.O. Laryngoscope Handle	2.5V	3.5V NiMH
Small F.O. Handle, complete [01]	F-001.22.800	F-002.22.806
Laryngoscope insert without bottom cap [02]	F-001.22.801	F-002.22.801
Bottom cap [03] [04]	F-000.22.851	F-000.22.852
Rechargeable battery [05]	-	X-002.99.106
Handle Shell [06]	F-000.22.804	F-000.22.804
Spare bulb	X-001.88.035	X-002.88.044
NT300 charger only (without handle/without adaptor)	-	X-002.99.495
Two adaptor sets for NT300 Charger	-	X-000.99.086

HEINE F.O. Laryngoscope Handles

Ordering Information



LED ^{HD} Short F.O. LED Laryngoscope Handle	2.5V	2.5V NiMH
Short F.O. LED Handle, complete		
Battery version [01] or rechargeable version [02]	F-008.22.812	F-008.22.414*
Rechargeable battery [03]	-	X-001.99.307*
NT300 charger only (without handle)	-	X-002.99.495

*only rechargeable with the NT300 recharging station starting with the serial number **SN 101 1000 001**.



Short F.O. Laryngoscope Handle	2.5V	3.5V NiMH
Short F.O. Handle, complete 2,5V [01] or 3,5V [02]	F-001.22.812	F-002.22.414
Rechargeable battery K3Z [03]	-	X-002.99.393
Spare bulb	X-001.88.035	X-002.88.044
NT300 charger only (without handle)	-	X-002.99.495

The Fiber Optic Angled Handle can be fitted with any HEINE Fiber Optic blade. The angle of the blade to the handle gives a significantly better view for intubation e.g. in cases of injury to the neck. One F.O. Angled Handle for all F.O. Blades (except FlexTip).



F.O. Angled Handle	2.5V	3.5V NiMH	3.5V Li-ion L
F.O. Angled Handle, complete [01]	F-001.22.941	F-002.22.942	F-007.22.945
Bottom cap [02] [03]	X-000.99.119	X-002.99.412	
Rechargeable battery [04]	-	X-002.99.382	
Spare bulb	X-001.88.035	X-002.88.044	X-002.88.044
NT300 charger, only (without handle)	-	X-002.99.495	X-002.99.495

Cost-effective high quality battery handle with SANALON+ connector. Not recommended for use with metal blades.



F.O. SP Laryngoscope Handle	2.5V
F.O. SP Handle, complete [01]	F-001.22.815
Spare bulb	X-001.88.035

HEINE® NT300 Table Charger and Adaptors



All rechargeable HEINE F.O. Laryngoscope Handles can be charged in the HEINE NT300 table charger as well as HEINE NT200 table charger. Exceptions are the rechargeable versions of the Short and the Small F.O. LED Handles.* Some require the use of an adaptor.

NT300 table charger	
without handle, with adaptors for Standard F.O. Laryngoscope insert, F.O. Angled Handle and Short F.O. Laryngoscope Handle	X-002.99.495
Set of two adaptors for Small F.O. Laryng. Rechargeable Handle [01]	X-000.99.086

*Due to the increased demands on the charging management function of these rechargeable batteries, a latest generation HEINE NT300 recharging station must be used to properly and fully recharge these rechargeable batteries. Latest generation HEINE NT300 recharging stations can be identified by the serial number on the underside of the recharging station. Recharging stations starting with the serial number **SN 101 1000 001** are compatible.



HEINE® Classic+ Fiber Optic (F.O.) Laryngoscope Sets

Set complete with: **Paed 1, Mac 2, Mac 3 blades**
spare XHL Xenon Halogen bulb, zipper case



Classic+ Sets	2.5V	3.5V NiMH	3.5V Li-ion L
with Standard F.O. Battery Handle	F-119.10.860		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		F-119.20.865	
Ⓞ with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			F-119.29.865

As above, but with LED illumination, without spare bulb



LED Classic+ Sets	2.5V	3.5V NiMH	3.5V Li-ion L
with Standard F.O. LED Battery Handle	F-119.18.860		
with Standard F.O. LED Rechargeable Handle with NiMH Battery and NT 300 charger		F-119.28.865	
Ⓞ with Standard F.O. L LED Rechargeable Handle with Li-ion L Battery and NT 300 charger			F-119.98.865

Set complete with: **Paed 1, Mac 2, Mac 3, Mac 4 blades**
spare XHL Xenon Halogen bulb, zipper case



Classic+ Sets	2.5V	3.5V NiMH	3.5V Li-ion L
with Standard F.O. Battery Handle	F-120.10.860		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		F-120.20.865	
Ⓞ with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			F-120.29.865

As above, but with LED illumination, without spare bulb



LED Classic+ Sets	2.5V	3.5V NiMH	3.5V Li-ion L
with Standard F.O. LED Battery Handle	F-120.18.860		
with Standard F.O. LED Rechargeable Handle with NiMH Battery and NT 300 charger		F-120.28.865	
Ⓞ with Standard F.O. L LED Rechargeable Handle with Li-ion L Battery and NT 300 charger			F-120.98.865

Ⓞ: Rechargeable handle with charge status display in the bottom insert.

HEINE® FlexTip+ Fiber Optic (F.O.) Laryngoscope Blade Sets



FlexTip+ F.O. Laryngoscope Set complete with: **Blade Mac 3**
spare XHL Xenon Halogen bulb, case

FlexTip+ Sets	2.5V	3.5V NiMH	3.5V Li-ion L
with Standard F.O. Battery Handle	F-227.10.860		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		F-227.20.865	
Ⓛ with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			F-227.29.865



As above, but with LED illumination, without spare bulb

LED 40 FlexTip+ Sets	2.5V	3.5V NiMH	3.5V Li-ion L
with Standard F.O. LED Battery Handle	F-227.18.860		
with Standard F.O. LED Rechargeable Handle with NiMH Battery and NT 300 charger		F-227.28.865	
Ⓛ with Standard F.O. L LED Rechargeable Handle with Li-ion L Battery and NT 300 charger			F-227.98.865



FlexTip+ F.O. Laryngoscope Set complete with: **Blade Mac 4**
spare XHL Xenon Halogen bulb, case

FlexTip+ Sets	2.5V	3.5V NiMH	3.5V Li-ion L
with Standard F.O. Battery Handle	F-229.10.860		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		F-229.20.865	
Ⓛ with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			F-229.29.865



As above, but with LED illumination, without spare bulb

LED 40 FlexTip+ Sets	2.5V	3.5V NiMH	3.5V Li-ion L
with Standard F.O. LED Battery Handle	F-229.18.860		
with Standard F.O. LED Rechargeable Handle with NiMH Battery and NT 300 charger		F-229.28.865	
Ⓛ with Standard F.O. L LED Rechargeable Handle with Li-ion L Battery and NT 300 charger			F-229.98.865

Case for FlexTip+ F.O. Laryngoscope Sets F-227, F-229 or F-230 **F-227.01.000**

Ⓛ: Rechargeable handle with charge status display in the bottom insert.



HEINE® FlexTip+ Fiber Optic (F.O.) Laryngoscope Blade Sets



FlexTip+ F.O. Laryngoscope Set complete with: **Blades Mac 3, Mac 4**
spare XHL Xenon Halogen bulb
case

FlexTip+ Sets	2.5V	3.5V NiMH	3.5V Li-ion L
with Standard F.O. Battery Handle	F-230.10.860		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		F-230.20.865	
Ⓛ with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			F-230.29.865



As above, but with LED illumination, without spare bulb

LED FlexTip+ Sets	2.5V	3.5V NiMH	3.5V Li-ion L
with Standard F.O. LED Battery Handle	F-230.18.860		
with Standard F.O. LED Rechargeable Handle with NiMH Battery and NT 300 charger		F-230.28.865	
Ⓛ with Standard F.O. L LED Rechargeable Handle with Li-ion L Battery and NT 300 charger			F-230.98.865

Case for FlexTip+ F.O. Laryngoscope Sets F-227, F-229 or F-230	F-227.01.000
FlexTip+ Mac 3 and Mac 4, without handle, in case	F-000.22.316

Ⓛ: Rechargeable handle with charge status display in the bottom insert.



HEINE® Mac Modular+ Fiber Optic (F.O.) Laryngoscope Sets



Laryngoscope Set complete with: **F.O. Modular+ blade Mac 1, Mac 2, Mac 3 and Mac 4**

spare XHL Xenon Halogen bulb
zipper case

Modular+ Sets	2.5V	3.5V NiMH	3.5V Li-ion L
with Standard F.O. Battery Handle	F-228.10.860		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		F-228.20.865	
Ⓛ with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			F-228.29.865



As above, but with LED illumination, without spare bulb

LED F.O. Modular+ Sets	2.5V	3.5V NiMH	3.5V Li-ion L
with Standard F.O. LED Battery Handle	F-228.18.860		
with Standard F.O. LED Rechargeable Handle with NiMH Battery and NT 300 charger		F-228.28.865	
Ⓛ with Standard F.O. L LED Rechargeable Handle with Li-ion L Battery and NT 300 charger			F-228.98.865

Ⓛ: Rechargeable handle with charge status display in the bottom insert.

HEINE® XP Emergency Set with XP Disposable Blades



Specially-developed for emergency-use featuring the HEINE XP® Disposable Laryngoscope Blades. These sets are equipped with XP blades of the same anatomically-correct shape as the Classic+ blade, the world's best-selling F.O. blade with integrated fiber optic bundle.

The HEINE XP Emergency Laryngoscope Set is complete with the 5 most frequently-used blade types and sizes for infants and adults. Instantly-ready for use with F.O. SP Handle and replaceable batteries.

XP Emergency Set	2.5V
with blades Miller 0, Miller 1, Mac 2, Mac 3, Mac 4, F.O. SP Handle 2.5V, two alkaline batteries, in case	F-257.10.815

XP* Blades	Overall Length	Distal Width	
Miller 0	80mm	10mm	F-000.22.771*
Miller 1	104mm	10mm	F-000.22.772*
Mac 2	114mm	10mm	F-000.22.762*
Mac 3	134mm	14mm	F-000.22.763*
Mac 4	154mm	14mm	F-000.22.764*

*25 disposable blades (⊗) individually packed in Dispenser Box.

XP Emergency Set Accessories	2.5V
F.O. SP Laryngoscope Handle 2.5V, with bulb	F-001.22.815
XHL Xenon Halogen spare bulb for F.O. SP Handle	X-001.88.035
Refill assortment of 5 XP Blades, Miller 0, 1, Mac 2, 3, 4 (one each, 5 pieces in total)	F-000.22.740



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A company makes history and gives a name to outstanding product quality: HEINE.

Founded in 1946, family owned, rich in tradition and today international market leader in a complete range of diagnostic instruments. HEINE products meet the relevant international standards (ISO / IEC) and represent the leading edge in precision and ergonomic design. Ongoing dedication to research and development has created a solid and diverse technology base for continued quality and product leadership. Over 500 employees worldwide contribute to this success.

www.heine.com

GERMANY

 HEINE Optotechnik GmbH & Co. KG
Kientalstr. 7
82211 Herrsching
Tel. +49 (0) 81 52-38 0
Fax +49 (0) 81 52-3 82 02
E-Mail: info@heine.com

NORTH AMERICA

HEINE USA LTD.
10 Innovation Way
Dover, NH 03820
Tel. (603) 7 42-71 03
Fax (603) 7 42-72 17
Toll Free (800) 367-4872
E-Mail: service@heine-na.com

AUSTRALIA

HEINE AUSTRALIA PTY. LTD.
Unit 9, 98 Old Pittwater Road
PO Box 7218 Warringah Mall NSW 2100
New South Wales
Tel. +61 (0) 2-99 38 95 00
Fax +61 (0) 2-99 39 23 05
E-Mail: info@heine.com.au

SWITZERLAND

HEINE (Schweiz) AG
Tobeläckerstr. 9
CH-8212 Neuhausen am Rheinflall
Tel. +41 (0) 52-6 72 22 66
Fax +41 (0) 52-6 72 63 77
E-Mail: heine-schweiz@schaffhausen.ch

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