You can count on our laryngoscopes. Always.

HEINE visionPRO® video laryngoscope
With very, very, very good image quality

For fast and reliable intubation, nothing is more important than the best view of the glottis. The HEINE visionPRO video laryngoscope provides just that with the and one of a kind HEINE allBRIGHT display – even in very bright ambient light.



BRIGHT AND SHARP IMAGE
- Unique worldwide: HEINE transflective allBRIGHT display adapts to even the brightest ambient light
- Excellent 3,2" display in practical portrait format
- Low-reflection intubation thanks to an adjustable display angle
- Realistic colour representation thanks to smart image processing

QUICK AND COMPREHENSIVE ORIENTATION
- Situational field of view of the glottis and the relevant surrounding anatomy

EXTREMELY DURABLE AND LONG-LASTING
- Grip head and display frame made of anodised aluminium
- Stainless steel handle and camera arm
- Highly protective cover glass

SAFE: DISPLAY AND HANDLE CAN BE SEPARATED FOR NUMEROUS VALIDATED REPROCESSING METHODS
- Assembled instrument: low level | wipe disinfection reprocessing
- Handle: from wipe disinfection to immersion and sterilisation

ECOLOGICAL AND ECONOMICAL
- Blade made from upcycled material
- Rechargeable battery

HEINE visionPRO videos



HEINE visionPRO Mac 3 single-use laryngoscope blades made from upcycled material

visionPRO set Mac

visionPRO video laryngoscope consisting of visionPRO HR1 Mac handle and visionPRO DS1 display unit, visionPRO CS1 charging station with plug-in power supply [01]	**F-270.95.862**



[01]

visionPRO Mac single-use blades

	10 pcs.	50 pcs.
Mac 2	F-000.22.242	F-000.22.252
Mac 3	F-000.22.243	F-000.22.253
Mac 4	F-000.22.244	F-000.22.254
HyMac 3	F-000.22.246	F-000.22.256

- You can find ordering information and other products at www.heine.com/laryngoscopes

HEINE laryngoscopes blades
Overview

It goes without saying that all of our laryngoscope blades are premium products. But, still, they differ in one or two details. Read on for a summary of what these different details are and all their benefits:







	Classic+ Macintosh	**Classic+ Miller**	**Classic+ Paed**	**XP Macintosh**	**XP Miller**
Blade size	0, 1, 2, 3, 3m, 4, 5	00, 0, 1, 2, 3, 4	0, 1	1, 2, 3, 4	0, 1, 2, 3, 4
Material	stainless steel			polycarbonate	
Diameter of HiLite fiber bundle in mm	4.3	3.7	4.3	–	
Reprocessing	reusable, sterilisation without disassembly			⊗	
Recommendations	–			suitable for low ambient temperatures	
Guarantee	10 years guarantee and 4,000 autoclave cycles			⊗	
Catalogue page	74	75		76	

⊗: Single use only.

HEINE Classic+ Macintosh fiber optic (F.O.) blades
Innovative fiber optic technology
for advanced performance


[01]


[02]


[03]


[04]


[05]


[06]

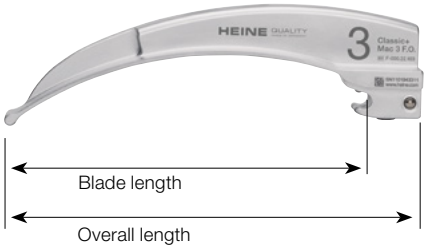

[07]

Our innovative manufacturing technology achieves even better illumination and a longer service life.

- **The HEINE HiLite fiber optic (F.O.) fiber bundle, optimised for use** – with up to 6,500 individual fibers and refined directional characteristics, achieves the best possible illumination of the pharynx even after 4,000 sterilisation cycles. For simple and safe intubation
- **The one-piece design from chrome-plated, stainless,** high-grade steel makes the Classic+ F.O. blade even more resistant to the oxidation and|or corrosion damage that can occur in the reprocessing process due to intense use
- **The clean shape without any edges or corners** is easy to clean, disinfect and sterilise
- **HEINE Classic+ blades have no screwed joints,** no external **bundles and no openings that could contaminate**
- **Compatible with all handles** to the ISO 7376 (green standard)
- **10 years guarantee.** (After 4,000 autoclave cycles of 134 °C / 4 min, illuminance of at least 1,000 lux.)

Size	Overall length	Blade length	Distal width	
Mac 0 [01]	82 mm	66 mm	9 mm	**F-000.22.100**
Mac 1 [02]	94 mm	78 mm	10 mm	**F-000.22.101**
Mac 2 [03]	114 mm	98 mm	14 mm	**F-000.22.102**
Mac 3m* [04]	134 mm	118 mm	14 mm	**F-000.22.143**
Mac 3 [05]	134 mm	118 mm	14 mm	**F-000.22.103**
Mac 4 [06]	155 mm	139 mm	15 mm	**F-000.22.104**
Mac 5 [07]	177 mm	161 mm	15 mm	**F-000.22.105**

* stronger curve



HEINE Classic+ Miller and Paed fiber optic (F.O.) blades
Innovative fiber optic technology for advanced performance


[01]


[02]


[03]


[04]


[05]

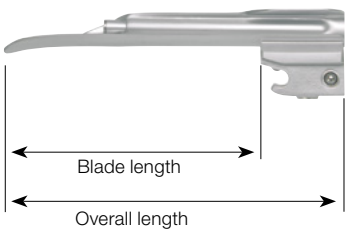

[06]

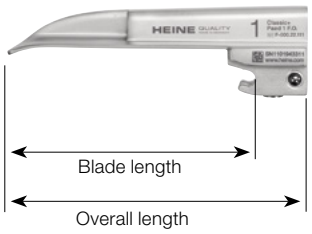

[07]


[08]

- **The Miller Classic+ 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** with up to 6,500 individual microfibers for improved light transmission and longer life
- **Both ends of the large fiber bundle** are protected – for life
- **HEINE Classic+ blades have no screwed joints, no external fiber bundles and no openings that could contaminate**
- **The clean shape without any edges or corners** is easy to clean, disinfect and sterilise. These blades need no maintenance – ever
- **Compatible with all handles** to the ISO 7376 (green standard)
- **High-quality design from** chrome-plated, stainless, high-grade steel
- **10 years guarantee.** (After 4,000 autoclave cycles of 134 °C / 4 min, illuminance of at least 1,000 lux.)
- **HEINE Paed laryngoscopes** have been developed specifically for the intubation of neonates and infants

Size	Overall length	Blade length	Distal width	
Miller 00 [01]	76 mm	51 mm	10 mm	**F-000.22.119**
Miller 0 [02]	80 mm	55 mm	11 mm	**F-000.22.120**
Miller 1 [03]	100 mm	78 mm	12 mm	**F-000.22.121**
Miller 2 [04]	152 mm	130 mm	13 mm	**F-000.22.122**
Miller 3 [05]	192 mm	170 mm	13 mm	**F-000.22.123**
Miller 4 [06]	207 mm	185 mm	16 mm	**F-000.22.124**
Paed 0 [07]	82 mm	65 mm	12 mm	**F-000.22.110**
Paed 1 [08]	95 mm	78 mm	13 mm	**F-000.22.111**





HEINE XP disposable laryngoscope blades
Eliminate cross-infection




[01]


[02]


[03]

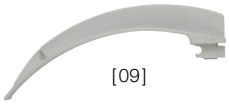

[04]


[05]


[06]


[07]


[08]

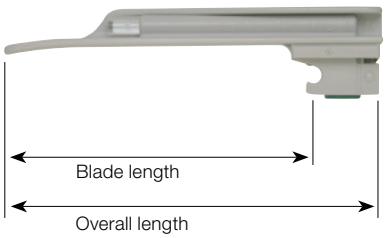

[09]

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 2.5 V or 3.5 V 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 blade	Overall length	Blade length	Distal width	
Miller 0 [01]	80 mm	62 mm	10 mm	**F-000.22.771***
Miller 1 [02]	104 mm	85 mm	10 mm	**F-000.22.772***
Miller 2 [03]	155 mm	136 mm	13 mm	**F-000.22.773***
Miller 3 [04]	195 mm	177 mm	13 mm	**F-000.22.774***
Miller 4 [05]	221 mm	194 mm	14 mm	**F-000.22.775***
Mac 1 [06]	90 mm	72 mm	9 mm	**F-000.22.761***
Mac 2 [07]	114 mm	96 mm	10 mm	**F-000.22.762***
Mac 3 [08]	134 mm	116 mm	14 mm	**F-000.22.763***
Mac 4 [09]	154 mm	136 mm	14 mm	**F-000.22.764***

* 25 disposable blades individually packed in dispenser box.
: Single use only.



▶ For HEINE XP emergency set, please see page 84.

HEINE XP disposable laryngoscope handle shell
Eliminates cross-infection



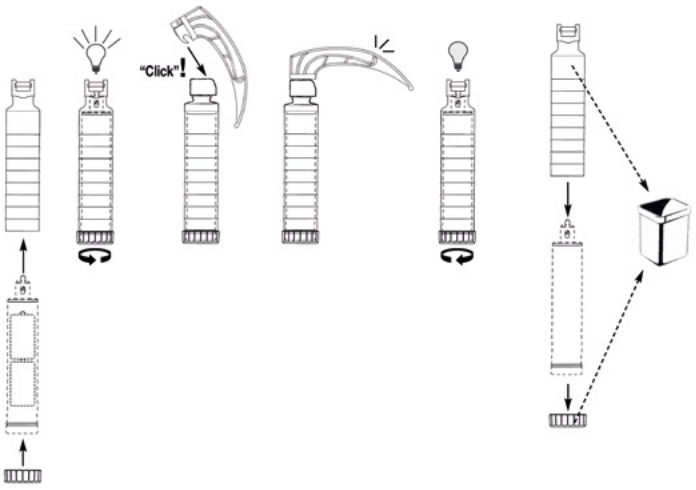
The disposable laryngoscope handle shell with the globally distributed laryngoscope insert is powered by the best-selling battery insert for HEINE F.O. handles. The laryngoscope insert can be removed from the handle shell after intubation without risk of contamination.

XP disposable laryngoscope handle shell with bottom insert

without laryngoscope insert, pack of 25	**F-000.22.926**

Standard F.O. laryngoscope insert	**2.5V**	**3.5V NiMH**	**3.5V Li-ion**
with LED illumination and standard F.O. bottom insert	**F-008.22.858**	**F-008.22.868**	**–**
with LED illumination and standard F.O.4 NT bottom insert	**–**	**–**	**F-008.22.893***

*Please note: The laryngoscope insert with the HEINE F.O.4 NT bottom insert can only be charged in the HEINE NT4 table charger. ⊗: Single use only.



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

HEINE EasyClean® LED laryngoscope handle
All three handle sizes STANDARD, SLIM and SHORT



STANDARD



SLIM



SHORT

The HEINE EasyClean LED laryngoscope handle was developed to allow even simpler, faster and safer hygienic reprocessing of the handle – no complex disassembling and assembling of batteries and light unit. This saves the technical service personnel a great deal of time, and reduces the training and maintenance effort.

SIMPLE, FAST AND SAFE CLEANING

- **Non-slip "wave design"** improves the reliability of the wipe disinfectant for the handle after use ('intermediate disinfection')
- **100 % waterproof.** In the case of immersion disinfection ('high-level disinfection') or low temperature sterilisation processes (STERRAD[1], VHP[2] (Steris)), neither the batteries nor the LED light unit need to be removed
- **Autoclavable LED technology:** No removal of the light unit required for use in autoclaves, just batteries

PERFECT VIEW

- **There's LED. And there's LED[HQ].** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED[HQ]**
- **Maximum brightness:** 3 x brighter than conventional halogen light
- **Virtually unlimited hours of working life**

FAIL-SAFE

- **Typ. 10 hours of operating time** (EasyClean LED laryngoscope handle in continuous operation)
- **Fade-out feature:** brightness reduces slowly as battery operating time diminishes, for even more efficient battery use
- **Compatible with all laryngoscope blades** according to ISO 7376 (green standard)

HEINE EasyClean® LED laryngoscope handle
All three handle sizes STANDARD, SLIM and SHORT



[01]

EasyClean LED laryngoscope handle	LED
EasyClean LED laryngoscope handle suitable for 2 x C-batteries (LR14), compl.* [01]	**F-008.22.820**
EasyClean LED SLIM laryngoscope handle suitable for 2 x AA-batteries (LR6), compl.* [02]	**F-008.22.821**
EasyClean LED SHORT laryngoscope handle, suitable for 3 x AAA-batteries (LR03), compl.* [03]	**F-008.22.822**

*Delivery without batteries



[02]



[03]

HYGIENIC REPROCESSING OPTIONS[3]

Reprocessing process	Wipe disinfection	Manual immersion disinfection	Low temperature gas plasma sterilisation (STERRAD[1] | VHP[2] (Steris))	Mechanical cleaning + disinfection (thermal disinfector)	Steam sterilisation | autoclave
Temperature	cold	< 60 °C	< 60 °C	max. 93 °C	max. 134 °C | 4 min
with batteries	✔	✔	✔	batteries removed previously	batteries removed previously
with HEINE LED	✔	✔	✔	✔	✔

[1] STERRAD is a trademark of ASP Global Manufacturing GmbH
[2] VHP is a trademark of American Sterilizer Company
[3] Detailed cleaning instructions can be found in our instructions for use at www.heine.com

HEINE F.O.4 NT laryngoscope handles
Li-ion in all handle sizes
LED^{HQ} illumination



[01]

- **Compatible with all laryngoscope blades to the ISO 7376 (green standard)**
- **HEINE standard F.O. laryngoscope handles can be converted from battery to rechargeable handles by simply exchanging the bottom insert**
- **Fade-out feature:** brightness reduces slowly even with low residual capacity, for even more efficient use of dry or rechargeable batteries
- **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}**



[02]



[03]



[04]



* charge status indicator
in the bottom insert
Typ. LED 7 hours operating time



[05]

Standard F.O.4 NT laryngoscope handle*	3.5V LED Li-ion
standard F.O.4 NT handle, compl. [01]	**F-008.22.894**
laryngoscope insert without bottom insert [02]+[03]	**F-008.22.890**
bottom insert F.O.4 NT [04]*	**F-002.22.884**
rechargeable battery [06]	**X-007.99.383**
handle shell	**F-000.22.824**
NT4 table charger, without handle	**X-002.99.494**

Standard F.O. laryngoscope battery handle	2.5V LED
standard F.O. handle suitable for 2 x C-batteries (LR14), compl.** [01]	**F-008.22.860**
bottom insert [05]	**F-001.22.861**

** Delivery without batteries.
Please note: All Li-ion versions can only be charged with the NT4 table charger.

HEINE F.O.4 NT laryngoscope handles
Li-ion in all handle sizes
LED^{HQ} illumination



[01]



[02]



[03]

F.O.4 SLIM NT laryngoscope handle	2.5V LED Li-ion
F.O.4 SLIM NT handle, complete [01]	F-008.22.804
laryngoscope insert without bottom insert [02]	F-008.22.801
bottom insert F.O.4 SLIM NT [03]	F-000.22.854
rechargeable battery [04]	X-007.99.104
handle shell [05]	F-000.22.804
NT4 table charger, without handle	X-002.99.494
set of two adapters	X-000.99.086



[04]



[05]



[06]

F.O. SLIM laryngoscope battery handle	2.5V LED
F.O. SLIM handle suitable for 2 x AA-batteries (LR6), compl.** [01]	F-008.22.800
bottom insert [06]	F-000.22.851



[01]



[02]

F.O.4 SHORT NT laryngoscope handle	2.5V LED Li-ion
F.O.4 SHORT NT handle, complete [01]	F-008.22.424
charging module [02]	X-007.99.304
NT4 table charger, without handle	X-002.99.494



[03]

F.O. SHORT laryngoscope battery handle	2.5V LED
F.O. SHORT handle suitable for 2 x AA-batteries (LR6), compl.** [03]	F-008.22.812

** Delivery without batteries.
Please note: All Li-ion versions can only be charged with the NT4 table charger.

HEINE NT4 table charger and adapters
HEINE F.O. upgrade kit

All rechargeable HEINE F.O.4 NT laryngoscope handles can only be charged with the NT4 table charger. The use of an adapter is required for some handles. For detailed information about the NT4 table charger and adapter, please see page 144.



[01]

NT4 table charger

without handle, with adapters for standard F.O.4 NT laryngoscope Insert and F.O.4 SHORT NT laryngoscope handle	**X-002.99.494**
set of two adapters for F.O.4 SLIM NT laryngoscope rechargeable handle [01]	**X-000.99.086**

FOR CONVERTING TO HEINE F.O.4 CHARGING TECHNOLOGY

For converting a standard F.O. or standard F.O. LED laryngoscope rechargeable handle to a standard F.O.4 NT solution.



Upgrade kit F.O.4 NT	**3.5 V Li-ion**
bottom insert standard F.O.4 NT, Li-ion L rechargeable battery, NT4 table charger	**F-011.99.420**

HEINE Classic+ fiber optic (F.O.) laryngoscope sets



[01]

Set complete with: Paed 1, Mac 2, Mac 3 blades,
zipper case

	2.5V LED	3.5V LED Li-ion
with standard F.O. LED battery handle	**F-119.18.860**	**–**
with standard F.O.4 LED NT rechargeable handle with Li-ion battery and NT4 table charger	**–**	**F-119.94.865***
with EasyClean LED battery handle [01]	**F-119.18.820**	



[02]

Set complete with: Paed 1, Mac 2, Mac 3, Mac 4 blades,
zipper case

	2.5V LED	3.5V LED Li-ion
with standard F.O. LED battery handle	**F-120.18.860**	**–**
with standard F.O.4 LED NT rechargeable handle with Li-ion battery and NT4 table charger	**–**	**F-120.94.865***
with EasyClean LED battery handle [02]	**F-120.18.820**	

* Please note: The 3.5 V Li-ion version will be delivered with the HEINE F.O.4 NT bottom insert and can only be charged in the HEINE NT4 table charger.

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. With proper use the disposable XP blade avoids cross-infection from one patient to the next.
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 XP disposable laryngoscope handle shell included standard F.O. laryngoscope insert with LED illumination and alkaline batteries.

XP emergency set	2.5 V LED
with blades Miller 0, Miller 1, Mac 2, Mac 3, Mac 4, XP disposable laryngoscope handle shell, standard F.O. laryngoscope insert, two alkaline batteries, in case	**F-258.18.858**

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

*25 disposable blades ⊗ individually packed in dispenser box.

XP emergency set refill assortment	
refill assortment with XP disposable laryngoscope handle shell and XP blades, Miller 0, 1, Mac 2, 3, 4 (one each)	**F-000.22.739**