You can COUNT on our laryngoscopes. ALWAYS.





HEINE Laryngoscopes FlexTip+ Classic+ WIS ΧP ΧP Classic+ Classic+ Classic+ Macintosh Macintosh Miller Miller Paed Size 00 0 1 2 3 3m 4 5 Material Stainless Steel Polycarbonate/Acryl Diameter of HiLite Fiber Bundle in mm 4.3 3.7 3.7 3.6 4.3 n/a n/a Reusable / Sterilizable (2) (2) Sterilisation without disassembly Suitable for low ambient temperatures Guarantee ® \bigselet \bigsele 5 years

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 \bigcirc : Single use only.

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4000 autoclave cycles

Page

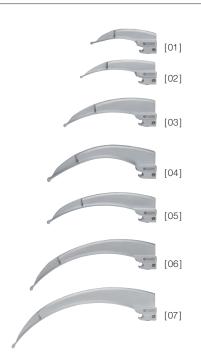


HEINE® Classic+ Macintosh Fiber Optic (F.O.) Blades

Innovative Fiber Optic Technology for advanced performance

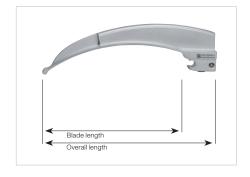
Our new, innovative manufacturing technology achieves even better illumination and a longer service life.

- : The HEINE HiLite Fibre Optic (F.O.) fiber bundle, optimised for use with up to 6,500 individual fibres and refined directional characteristics, achieves the best possible illumination of the pharynx even after 4,000 sterilisation cycles. For simple and safe intubation.
- : The new 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.
- : 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 and sterilise.
- : Compatible with all handles to the ISO 7376 (green standard).
- : 5 years guarantee. 4000 standard autoclave cycles of 134°C/4min. with more than 1000 lux.





- . 4000 autoclave cycles
- · 5 year guarantee



Size	Overall length	Blade length	Distal width	
Mac 0 [01]	82 mm	66mm	9mm	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	15mm	F-000.22.105

^{*} stronger curve

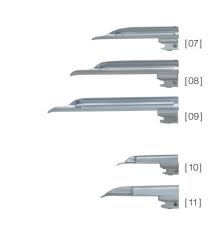


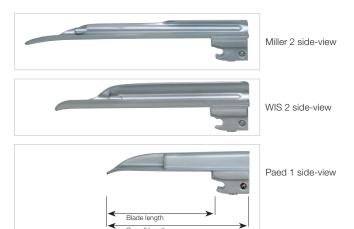
HEINE® Classic+ Miller, WIS and Paed Fiber Optic (F.O.) Blades

Innovative Fiber Optic Technology for advanced performance

- [01] [02] [03] [04] [05] [06]
 - : 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 micro-fibers for 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 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.
 - : 5 years guarantee. 4000 standard autoclave cycles of 134°C/4min. with more than 1000 lux.
 - : **HEINE Paed laryngoscopes** have been developed specifically for the intubation of neonates and infants.





	١.
: Easy intubation	<u> </u>
	_
: 5 year guarantee	_

Size	Overall length	Blade length	Distal width	
Miller 00 [01]	76mm	51 mm	10mm	F-000.22.119
Miller 0 [02]	80mm	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	16mm	F-000.22.124
WIS 1 [07]	110mm	85 mm	13 mm	F-000.22.131
WIS 2 [08]	130 mm	105 mm	16mm	F-000.22.132
WIS 3 [09]	160 mm	133 mm	16mm	F-000.22.133
Paed 0 [10]	82 mm	65 mm	12mm	F-000.22.110
Paed 1 [11]	95 mm	78 mm	13 mm	F-000.22.111



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

A useful Tip for a difficult intubation

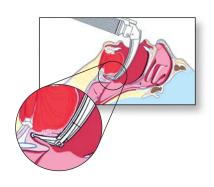
The FlexTip+ is a Macintosh Laryngoscope Blade with a tip which is adjustable through 70°. A lever controls the tip angle during intubation to lift the epiglottis, giving a clear view of the vocal cords. Contact with the upper row of teeth and unnecessary pressure on the tongue and soft tissue are avoided.

- : **HEINE HiLite fiber bundle.** With up to 6500 individual micro-fibers for improved light transmission and longer life.
- : Integrated Fiber Optics for the best possible illumination.
- : High-quality design from chrome-plated, stainless, high-grade steel.
- : 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 guarantee. 4000 standard autoclave cycles of 134°C/4min. with more than 1000 lux.









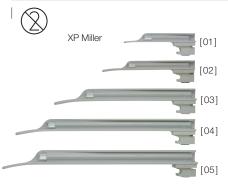






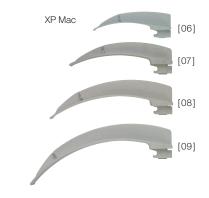
HEINE® XP Disposable Laryngoscope Blades

Eliminate cross-infection



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 Miller 1 side-view



XP Mac 2 side-view

: Hygienic and safe	닉
: Extremely bright light	_
. Torsional stiffness	

XP blade	Overall length	Blade length	Distal width	
Miller 0 [01]	80mm	62 mm	10 mm	F-000.22.771*
Miller 1 [02]	104 mm	85 mm	10mm	F-000.22.772*
Miller 2 [03]	155 mm	136mm	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	9mm	F-000.22.761*
Mac 2 [07]	114 mm	96 mm	10 mm	F-000.22.762*
Mac 3 [08]	134 mm	116mm	14 mm	F-000.22.763*
Mac 4 [09]	154 mm	136mm	14 mm	F-000.22.764*

^{* 25} disposable blades individually packed in Dispenser Box.

For HEINE XP Emergency Set, please see page 090.

(2): 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.

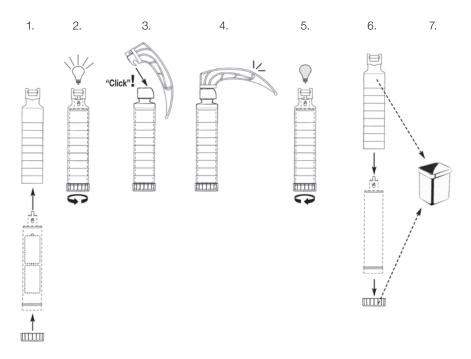
XP Disposable Laryngoscope Handle Shell with bottom insert	
	_

without laryngoscope insert, pack of 25 F-000.22.926

Standard F.O. Laryngoscope Insert	2.5V	3.5 V NiMH	3.5V Li-ion
with XHL illumination and			
Standard F.O. Bottom Insert	F-001.22.858	F-002.22.868	-
with LED illumination and			
Standard F.O. Bottom Insert	F-008.22.858	F-008.22.868	F-008.22.889
with XHL illumination and			
Standard F.O. 4 NT Bottom Insert	-	-	F-007.22.893*
with LED illumination and			
Standard F.O. 4 NT Bottom Insert	_	-	F-008.22.893*
XHL Xenon Halogen spare bulb	X-001.88.035	X-002.88.044	X-002.88.044

^{*} Please note: The Laryngoscope insert with the HEINE F.O. 4 NT Bottom Insert can only be charged in the HEINE NT 4 Table Charger.

(2): 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

Now all three handle sizes: STANDARD, SLIM AND 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®, 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

- 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 LEDHQ.
- Maximum brightness: 3x 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).





- Autoclavable LED technology
- · Simple, safe reprocessing



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

^{*}Delivery without batteries.

HYGIENIC REPROCESSING OPTIONS:**

Reprocessing process →	Wipe disinfection	Manual immersion disinfection	Low temperature gas plasma sterilisation (STERRAD®/STERIS®)	Mechanical cleaning + disinfection (thermal disinfector)	Steam sterilisation/ autoclave
Temperature	Cold	< 60°C	< 60°C	max. 93°C	max. 134°C/3min
with batteries	~	~	~	Batteries removed previously	Batteries removed previously
with HEINE LED	~	V	V	~	V

^{**}Detailed cleaning instructions can be found in our instructions for use at www.heine.com

HHO



HEINE® F.O. 4 NT Laryngoscope Handles

That's what we call LED in HEINE Quality - or LEDHQ.

Li-ion in all handle sizes – XHL or LEDHQ illumination



- : Compatible with all laryngoscope blades to the ISO 7376 (green standard).
- : HEINE Standard F.O. 4 NT 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.
- : 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.









		1711.4
	XHL 3.5V	LED 3.5V
Standard F.O. 4 NT Laryngoscope Handle*	Li-ion	Li-ion
Standard F.O. 4 NT Handle, complete [01]	F-007.22.894	F-008.22.894
Laryngoscope insert without bottom insert [02]+[03]	F-002.22.859	F-008.22.890
Bottom insert F.O. 4 NT [04]*	F-002.22.884	F-002.22.884
Rechargeable battery [06]	X-007.99.383	X-007.99.383
Handle shell [07]	F-000.22.824	F-000.22.824
Spare bulb	X-002.88.044	-
NT4 table charger, only (without handle)	X-002.99.494	X-002.99.494
0	VIII 0 5 V	
Standard F.O. Laryngoscope Battery Handle	XHL 2.5V	LED 2.5V
Standard F.O. Handle,	E 004 00 000	E 000 00 000
suitable for 2 x C-batteries (LR14), compl.** [01]	F-001.22.860	F-008.22.860
Bottom insert [05]	F-001.22.861	F-001.22.861
	XHL 3.5V	LED 2.5 V
F.O. 4 SLIM NT Laryngoscope Handle	Li-ion	Li-ion
	LITOIT	LITOIT
F.O. 4 SLIM NT Handle, complete [01]	F-007.22.804	F-008.22.804
Laryngoscope insert without bottom insert [02]+[03]	F-002.22.801	F-008.22.801
Bottom insert F.O. 4 SLIM NT [04]	F-000.22.854	F-000.22.854
Rechargeable battery [06]+[07]	X-007.99.380	X-007.99.104
Handle shell [08]	F-000.22.804	F-000.22.804
Spare bulb	X-002.88.044	-
NT4 table charger only (without handle)	X-002.99.494	X-002.99.494
Set of two adaptors	X-000.99.086	X-000.99.086
F.O. SLIM Laryngoscope Battery Handle	XHL 2.5 V	LED 2.5 V
F.O. SLIM Handle		
suitable for 2x AA-batteries (LR6), complete** [01]	F-001.22.800	F-008.22.800
Bottom insert [05]	F-000.22.851	F-000.22.851
F.O. 4 SHORT NT Laryngoscope Handle	XHL 3.5V	LED 2.5V
., 3	Li-ion	Li-ion
F.O. 4 SHORT NT Handle, complete [01]	F-007.22.424	F-008.22.424
Charging module [02]+[03]	X-007.99.394	X-007.99.304
Spare bulb	X-002.88.044	-
NT4 table charger only (without handle)	X-002.99.494	X-002.99.494
F.O. SHORT Laryngoscope Battery Handle	XHL 2.5V	LED 2.5V
F.O. SHORT Handle		
suitable for 2x AA-batteries (LR6), complete** [04]	F-001.22.812	F-008.22.812
- (b 1		

^{**} Delivery without batteries.

Please note: All Li-ion versions can only be charged with the NT4 table charger.



HEINE® NT4 Table Charger and Adaptors



All rechargeable HEINE F.O. 4 NT Laryngoscope Handles can only be charged with the NT4 table charger. The use of an adaptor is required for some handles. For detailed information about the NT4 table charger and adaptor, please see page 142.

NT4 table charger	
without handle, with adaptors for Standard F.O. 4 NT Laryngoscope Insert and F.O. 4 SHORT NT Laryngoscope Handle	X-002.99.494
Set of two adaptors for F.O. 4 SLIM NT Laryngoscope Rechargeable	
Handle [01]	X-000.99.086

HEINE F.O. Angled Handle

For complex intubation



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). The rechargeable handle can be charged only in the NT300 table charger.

F.O. Angled Handle	2.5 V	3.5V NiMH	3.5 V Li-ion L
F.O. Angled Handle, complete [01]	F-001.22.941	F-002.22.942	F-007.22.945
Bottom insert [02] [03] [04]	X-000.99.119	X-002.99.412	X-002.99.396
Rechargeable battery [05] [06]	-	X-002.99.382	X-007.99.383
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

HEINE F.O. SP Laryngoscope Handle

For use with disposable blades



[01]

Cost-effective high quality battery handle with SANALON+ connector. Exclusively for use with XP disposable blades made of plastic. Available only as the battery version.

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

Laryngoscopes

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	3.5 V Li-ion
with Standard F.O. Battery Handle [01]	F-119.10.860	
with Standard F.O. 4 NT Rechargeable Handle		
with Li-ion Battery and NT 4 table charger		F-119.23.865*



As above, but with LED illumination, without spare bulb

LED HQ Classic+ Sets	2.5 V	3.5 V 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 NT 4 table charger		F-119.94.865*
with EasyClean LED Battery Handle [02]	F-119.18.820	



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

Classic+ Sets	2.5 V	3.5V Li-ion
with Standard F.O. Battery Handle [01]	F-120.10.860	
with Standard F.O. 4 NT Rechargeable Handle		
with Li-ion Battery and NT 4 table charger	_	F-120.23.865*



As above, but with LED illumination, without spare bulb

	i⊞DH© Classic+ Sets	2.5 V	3.5 V 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 NT 4 table charger		F-120.94.865*
0	with EasyClean LED Battery Handle [02]	F-120.18.820	

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



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



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

FlexTip+ Sets	2.5V	3.5 v Li-ion
with Standard F.O. Battery Handle [01]	F-230.10.860	
with Standard F.O. 4 NT Rechargeable Handle with Li-ion Battery and NT4 table charger		F-230.23.865*
As above, but with LED illumination, without spare bul	lb	
LED H○ FlexTip+ Sets	2.5V	3.5 V Li-ion
with Standard F.O. LED Battery Handle	F-230.18.860	
with Standard F.O. 4 LED NT Rechargeable Handle		
with Li-ion Battery and NT4 table charger		F-230.94.865*
with EasyClean LED Battery Handle	F-230.18.820	
Case for FlexTip+ F.O. Laryngoscope Sets F-227, F-22	29 or F-230	F-227.01.000
FlexTip+ Mac 3 and Mac 4, without handle, in case		F-000.22.316

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		2.5 V XHL
with blades Miller 0, Miller 1, Mac 2, Ma	c 3, Mac 4,	
F.O. SP Handle**, two alkaline batteries, in case		F-257.10.815
VP* PI	D: 1 1W: III	

XP* Blades	Overall Length	Distal Width	
Miller 0	90 mm	10 mm	F-000.22.771*
	80 mm	1011111	
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 (2) individually packed in Dispenser Box.

XP Emergency Set Accessories	2.5 V XHL
F.O. SP Laryngoscope Handle**, 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

^{**}Exclusively for use with disposable blades made of plastic