

**You can
COUNT
on our
laryngoscopes.
ALWAYS.**





Intubating without surprises.

The new HEINE visionPRO video laryngoscope.
With very, very, very good image quality.

HEINE visionPRO video laryngoscope

With very, very, very good image quality



allBRIGHT

For fast and reliable intubation, nothing is more important than the best view of the glottis. The new HEINE visionPRO video laryngoscope provides just that with the new and one of a kind HEINE allBRIGHT display – even in very bright ambient light. At the same time, the new HEINE visionPRO is extremely robust, reliable and durable. To be as environmentally friendly as possible, we chose a rechargeable lithium battery and are the first to provide a blade made from upcycled material.

Bright and sharp image

- ⋄ Unique worldwide: HEINE transfective 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
- ⋄ HEINE LED^{HQ}

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 vs. disposable batteries
- ⋄ Cost reduction through economic procurement management



HEINE visionPRO videos



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



[01]

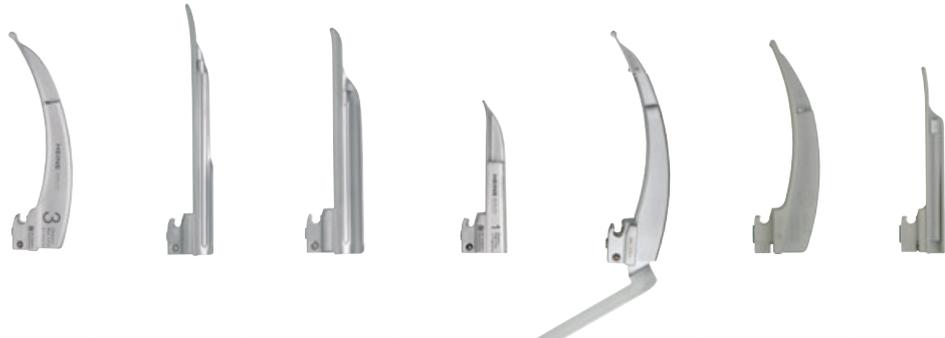


[02]

| 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 |
| visionPRO Mac 3 single-use laryngoscope blades, box of 50 | F-000.22.253 |
| visionPRO Mac 4 single-use laryngoscope blades, box of 50 | F-000.22.254 |
| visionPRO Mac 3 single-use laryngoscope blades, box of 10 [02] | F-000.22.243 |
| visionPRO Mac 4 single-use laryngoscope blades, box of 10 | F-000.22.244 |



HEINE laryngoscopes



| | Classic+ Macintosh | Classic+ Miller | Classic+ WIS | Classic+ Paed | FlexTip+ | XP Macintosh | XP Miller |
|---------------------------------------|--|--|--|--|---|---------------------------------------|---------------------------------------|
| Blade size | 0, 1, 2, 3, 3m, 4, 5 | 00, 0, 1, 2, 3, 4 | 1, 2, 3 | 0, 1 | 3, 4 | 1, 2, 3, 4 | 0, 1, 2, 3, 4 |
| Material | Stainless steel | Stainless steel | Stainless steel | Stainless steel | Stainless steel | Polycarbonate | Polycarbonate |
| Diameter of HiLite fiber bundle in mm | 4,3 | 3,7 | 3,7 | 3,6 | 4,3 | – | – |
| Reprocessing | Reusable, sterilisation without disassembly | Reusable, sterilisation without disassembly | ⊗ | ⊗ |
| Recommendations | – | – | – | – | – | Suitable for low ambient temperatures | Suitable for low ambient temperatures |
| Guarantee | 10 years guarantee and 4000 autoclave cycles | 5 years guarantee and 4000 autoclave cycles | ⊗ | ⊗ |
| Catalogue page | 069 | 070 | 070 | 070 | 071 | 072 | 072 |

⊗: Single use only.

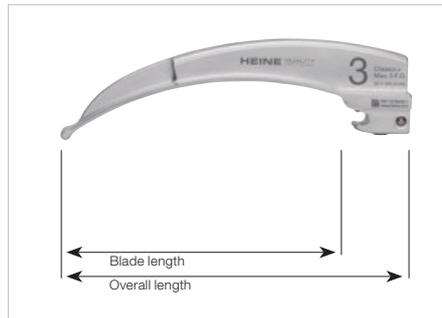
HEINE Classic+ Macintosh fiber optic (F.O.) blades

Innovative fiber optic technology for advanced performance



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 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, disinfect and sterilise.
- ∴ **Compatible with all handles** to the ISO 7376 (green standard).
- ∴ **10 years guarantee.** After 4000 autoclave cycles of 134 °C/4 min, illuminance of at least 1,000 lux.

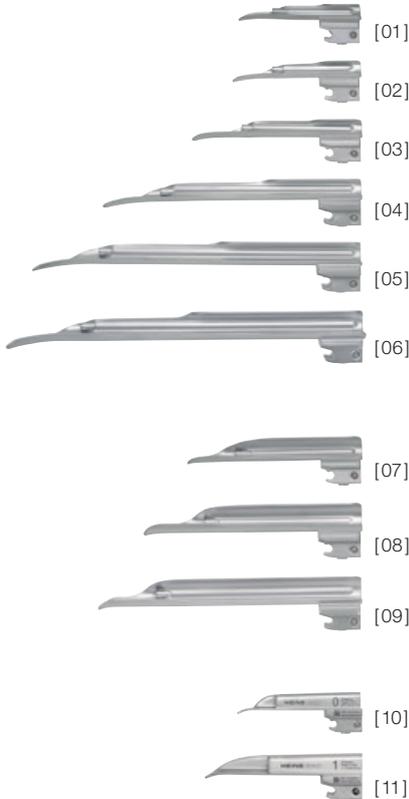


| Size | Overall length | Blade length | Distal width | |
|--------------|----------------|--------------|--------------|---------------------|
| Mac 0 [01] | 82 mm | 66 mm | 9 mm | F-000.22.100 |
| Mac 1 [02] | 94 mm | 78 mm | 10 mm | F-000.22.101 |
| Mac 2 [03] | 114 mm | 98 mm | 14 mm | F-000.22.102 |
| 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, WIS and Paed fiber optic (F.O.) blades

Innovative fiber optic technology for advanced performance



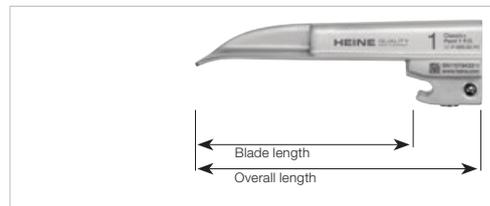
- ∴ **The Miller Classic+ blades with improved geometry simplify intubation.**
The shortened shoulder of the blade dramatically improves the anesthetist's view of the epiglottis and vocal cords. The distal lip of the blade features a special atraumatic shape.
- ∴ **HEINE HiLite fiber bundle** with up to 6,500 individual micro-fibers for 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 4000 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.



Miller 2 side-view



WIS 2 side-view



Paed 1 side-view

| 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 |
| WIS 1 [07] | 110 mm | 85 mm | 13 mm | F-000.22.131 |
| WIS 2 [08] | 130 mm | 105 mm | 16 mm | F-000.22.132 |
| WIS 3 [09] | 160 mm | 133 mm | 16 mm | F-000.22.133 |
| Paed 0 [10] | 82 mm | 65 mm | 12 mm | 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

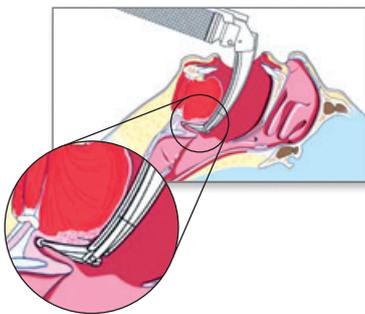
The FlexTip+ is a Macintosh laryngoscope blade with a tip which is adjustable through 70°. A lever controls the tip angle during intubation to lift the epiglottis, giving a clear view of the vocal cords. Contact with the upper row of teeth and unnecessary pressure on the tongue and soft tissue are avoided.

- ∴ **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.** After 4000 autoclave cycles of 134 °C/4 min, illuminance of at least 1,000 lux.



[01]

| FlexTip+ F.O. Blade in case | Overall length | Blade length | Distal width | |
|-----------------------------|-------------------|-------------------|-----------------|---------------------|
| Mac 3 [01] | 134 mm | 115 mm | 13 mm | F-000.22.313 |
| Mac 4 | 157 mm | 137 mm | 13 mm | F-000.22.314 |
| Mac 3 and Mac 4 | 134 mm/ 157 mm | 115 mm/ 137 mm | 13 mm/ 13 mm | F-000.22.316 |



HEINE XP disposable laryngoscope blades

Eliminate cross-infection



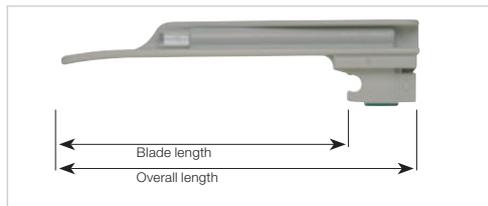
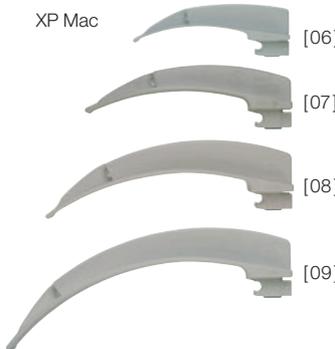
XP Miller



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

| 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.

For HEINE XP Emergency set, please see page 078.

⊗: 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

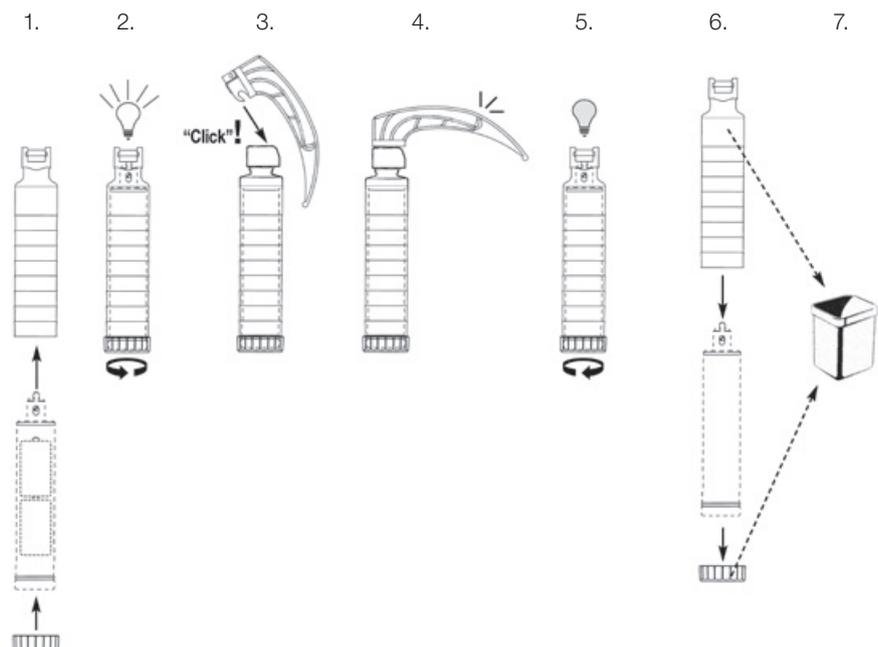
without laryngoscope insert, pack of 25

F-000.22.926

| Standard F.O. laryngoscope insert | 2.5V | 3.5V 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 | - |
| 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 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



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®, VHP® (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:** 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).



[01]

[02]

[03]

| 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®/VHP® (Steris)) | Mechanical cleaning + disinfection (thermal disinfectant) | 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 | ✓ | ✓ | ✓ | ✓ | ✓ |

**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 – XHL or LED^{HQ} illumination



- 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}.**



*Charge status indicator in the bottom insert.
Typ. XHL 2,5 hours operating time.
Typ. LED 7 hours operating time.



| Standard F.O.4 NT laryngoscope handle* | XHL 3.5V Li-ion | LED 3.5V 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 |

| Standard F.O. laryngoscope battery handle | XHL 2.5V | LED 2.5V |
|---|--------------|--------------|
| Standard F.O. handle, suitable for 2x C-batteries (LR14), compl.** [01] | F-001.22.860 | F-008.22.860 |
| Bottom insert [05] | F-001.22.861 | F-001.22.861 |

| F.O.4 SLIM NT laryngoscope handle | XHL 3.5V Li-ion | LED 2.5V Li-ion |
|---|-----------------|-----------------|
| 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 2.5V | LED 2.5V |
|--|--------------|--------------|
| 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 Li-ion | LED 2.5V 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 |

**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 126.

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.4 upgrade kit

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

3.5V 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**
spare XHL xenon halogen bulb,
zipper case

| Classic+ sets | 2.5V | 3.5V 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 NT4 table charger | | F-119.23.865* |



[02]

As above, but with LED illumination, without spare bulb

| LED ^{HO} Classic+ sets | 2.5V | 3.5V 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 [02] | F-119.18.820 | |



[01]

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 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 NT4 table charger | | F-120.23.865* |



[02]

As above, but with LED illumination, without spare bulb

| LED ^{HO} Classic+ sets | 2.5V | 3.5V 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 3.5V 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 FlexTip+ fiber optic (F.O.) laryngoscope sets



[01]

FlexTip+ F.O. laryngoscope set complete with: **Blades Mac 3, Mac 4**
spare XHL xenon halogen bulb, case

| FlexTip+ sets | 2.5V | 3.5V 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 bulb

| LED ^{HD} FlexTip+ sets | 2.5V | 3.5V 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-229 or F-230 | F-227.01.000 |
| FlexTip+ Mac 3 and Mac 4, without handle, in case | F-000.22.316 |

* 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 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.

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 XHL illumination and alkaline batteries.

| | |
|--|---------------------|
| XP emergency set | 2.5V XHL |
| 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-258.10.858 |

| 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 refill assortment | 2.5V XHL |
| Refill assortment with XP disposable laryngoscope handle shell and XP blades, Miller 0, 1, Mac 2, 3, 4 (one each, 5 pieces in total) | F-000.22.739 |

Further articles or accessories see page 073.