

## HEINE Laryngoscopes



	Classic+ Macintosh	Classic+ Miller	Classic+ WIS	Classic+ Paed	Modular+ Macintosh	Modular+ Miller	FlexTip+	XP Macintosh	XP Miller
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"/>
2	<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"/>	⊗	⊗
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"/>	⊗	⊗
4000 autoclave cycles	<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

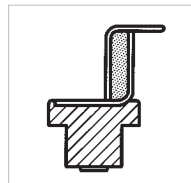


✦ Easy intubation

✦ 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 chrome plated 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

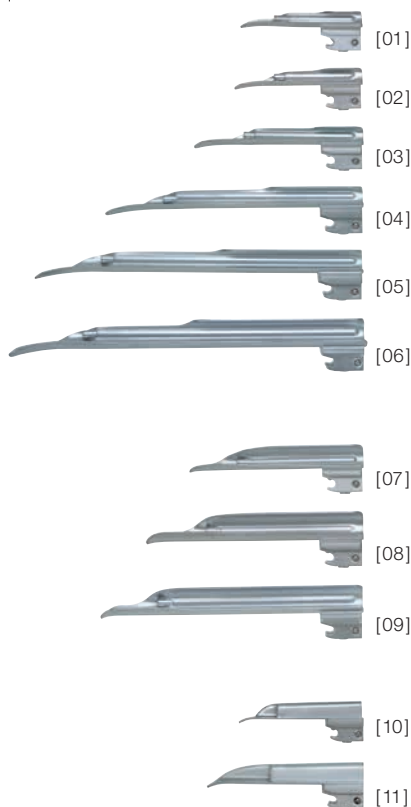


Size	Overall length	Distal width	
Mac 0 [01]	82mm	9mm	F-000.22.100
Mac 1 [02]	93mm	11mm	F-000.22.101
Mac 2 [03]	115mm	13mm	F-000.22.102
Mac 3m* [04]	135mm	15mm	F-000.22.143
Mac 3 [05]	135mm	15mm	F-000.22.103
Mac 4 [06]	155mm	15mm	F-000.22.104
Mac 5 [07]	176mm	15mm	F-000.22.105

\* stronger curve

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

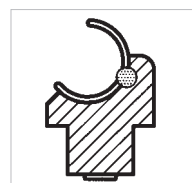
## Innovative Fiber Optic Technology for advanced performance



- ✦ **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 chrome plated 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 chrome plated 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



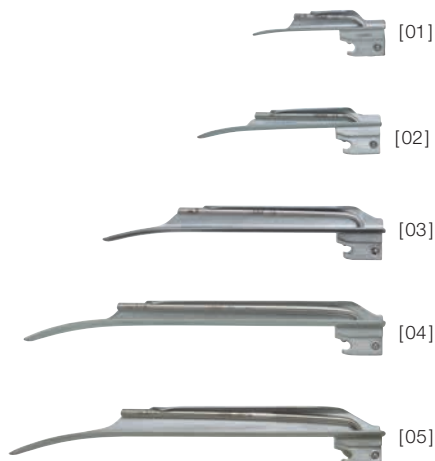
Mac 3 F.O. Light module

Size	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 chrome plated 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

Size	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

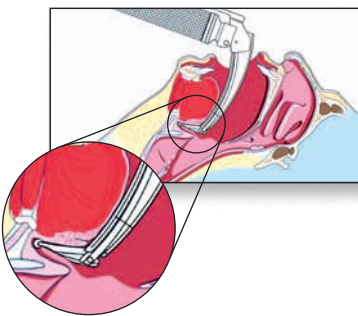


[01]

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 chrome plated 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



[01]



[02]



[03]



[04]



[05]

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



[06]



[07]



[08]



[09]



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

\* 25 disposable blades individually packed in Dispenser Box.

For HEINE XP Emergency Set, please see page 076.

⊗: 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

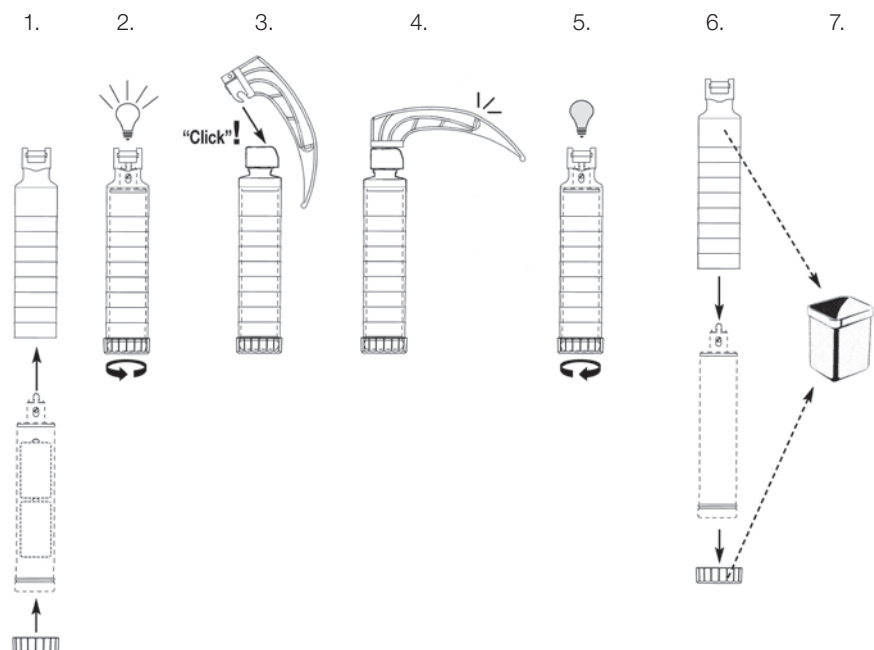
without laryngoscope insert, pack of 25

**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	<b>F-001.22.858</b>	<b>F-002.22.868</b>	–
▶ with LED illumination and Standard F.O. Bottom Insert	<b>F-008.22.858</b>	<b>F-008.22.868</b>	<b>F-008.22.889</b>
▶ with XHL illumination and Standard F.O. 4 NT Bottom Insert	–	–	<b>F-007.22.893*</b>
▶ with LED illumination and Standard F.O. 4 NT Bottom Insert	–	–	<b>F-008.22.893*</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.035</b>	<b>X-002.88.044</b>	<b>X-002.88.044</b>

\* Please note: The Laryngoscope insert with the new HEINE F.O. 4 NT Bottom Insert can only be charged in the new HEINE NT 4 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® Standard F.O. 4 LED NT Laryngoscope Handle with LED<sup>HQ</sup> illumination



[01]

[02]

**HEINE Standard F.O. 4 LED NT Laryngoscope Handle [01]** with handle shell and laryngoscope insert [02] with LED-Technology.

- ✚ **LED in HQ:** The new standard in LED illumination defining optimal light intensity, homogeneity and colour rendering for the most accurate visualisation. Red is red, blue is blue. Colour temperature: typically 5,200K.
- ✚ **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. 4 LED NT Laryngoscope Handles can be converted from battery to rechargeable handles by simply exchanging the bottom insert.**
- ✚ **Compatible with all Laryngoscope Blades to the ISO 7376 (green standard).**

## HEINE® Standard F.O. 4 NT Laryngoscope Handle with XHL illumination



[01]

[02]

**HEINE Standard F.O. 4 NT Laryngoscope Handle [01]** with handle shell and laryngoscope insert [02] with XHL Xenon Halogen Technology.

- ✚ **Lightweight and convenient.**
- ✚ **HEINE Standard F.O. 4 NT Laryngoscope Handles can be converted from battery to rechargeable handles by simply exchanging the bottom insert.**
- ✚ **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).**

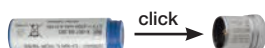
## HEINE® F.O. 4 NT Bottom insert for Standard F.O. Handles



The Standard F.O. Laryngoscope Handle can be upgraded with the Standard F.O. 4 NT bottom insert.

- ✚ **Charge Status Indicator** in the bottom insert. The indicator shines orange to show a low battery level.
- ✚ **Quick charge** with the NT4 table charger.
- ✚ **Up to 13 hours operation time.**
- ✚ **Li-ion technology** – no “memory effect”. Charge your handle how you like without worrying about the charge level or battery condition.

To upgrade existing laryngoscope handles, please order the Standard F.O. 4 NT bottom insert together with the corresponding Li-ion rechargeable battery. To charge the handles you also need the NT4 table charger.



## HEINE® F.O. 4 NT Laryngoscope Handles

Li-ion in all handle sizes – XHL or LED<sup>HQ</sup> illumination

[01] [02] [03] [04] [05] [06]

LED <sup>HQ</sup> Standard F.O. 4 LED NT Laryngoscope Handle	3,5V Li-ion
Standard F.O. 4 LED NT handle, complete [01]	F-008.22.894
LED Laryngoscope insert without bottom insert [02]	F-008.22.890
Bottom insert F.O. 4 NT [03]	F-002.22.884
Rechargeable battery [05]	X-007.99.383
Handle shell [06]	F-000.22.824
NT 4 table charger, only (without handle)	X-002.99.494

Standard F.O. LED Laryngoscope Battery Handle	2,5V
Standard F.O. LED Handle, compl. [01]	F-008.22.860
Bottom insert [04]	F-001.22.861



[01] [02] [03] [04] [05] [06]

Standard F.O. 4 NT Laryngoscope Handle (XHL)	3,5V Li-ion
Standard F.O. 4 NT handle, complete [01]	F-007.22.894
Laryngoscope insert without bottom insert [02]	F-002.22.859
Bottom insert F.O. 4 NT [03]	F-002.22.884
Rechargeable battery [05]	X-007.99.383
Handle shell [06]	F-000.22.824
Spare bulb	X-002.88.044
NT 4 table charger, only (without handle)	X-002.99.494

Standard F.O. Laryngoscope Battery Handle (XHL)	2,5V
Standard F.O. Handle, compl. [01]	F-001.22.860
Bottom insert [04]	F-001.22.861



[01] [02] [03] [04] [05] [06]

LED <sup>HQ</sup> F.O. 4 SLIM LED NT Laryngoscope Handle	2,5V Li-ion
F.O. 4 SLIM LED NT handle, complete [01]	F-008.22.804
LED Laryngoscope insert without bottom insert [02]	F-008.22.801
Bottom insert F.O. 4 SLIM NT [03]	F-000.22.854
Rechargeable battery M2Z 4 NT Li-ion [05]	X-007.99.104
Handle shell [06]	F-000.22.804
NT 4 table charger only (without handle)	X-002.99.494
Set of two adaptors	X-000.99.086

F.O. SLIM LED Laryngoscope Battery Handle	2,5V
F.O. SLIM LED Handle, complete [01]	F-008.22.800
Bottom insert [04]	F-000.22.851

Please note: The new 3.5V Li-ion versions can only be charged with the new NT 4 table charger.

## HEINE® F.O. 4 NT Laryngoscope Handles

Li-ion in all handle sizes – XHL or LED<sup>HQ</sup> illumination


F.O. 4 SLIM NT Laryngoscope Handle (XHL)	3,5V Li-ion
F.O. 4 SLIM NT handle, complete [01]	F-007.22.804
Laryngoscope insert without bottom insert [02]	F-002.22.801
Bottom insert F.O. 4 SLIM NT [03]	F-000.22.854
Rechargeable battery M3Z 4 NT Li-ion [05]	X-007.99.380
Handle shell [06]	F-000.22.804
Spare bulb	X-002.88.044
NT4 table charger only (without handle)	X-002.99.494
Set of two adaptors	X-000.99.086

F.O. SLIM Laryngoscope Battery Handle (XHL)	2,5V
F.O. SLIM Handle, complete [01]	F-001.22.800
Bottom insert [04]	F-000.22.851



LED <sup>HQ</sup> F.O. 4 SHORT LED NT Laryngoscope Handle	2,5V Li-ion
F.O. 4 SHORT LED NT handle, complete [01]	F-008.22.424
S2Z 4 NT Li-ion charging module [02]	X-007.99.304
NT4 table charger only (without handle)	X-002.99.494

F.O. SHORT LED Laryngoscope Battery Handle	2,5V
F.O. SHORT LED Handle, complete [03]	F-008.22.812

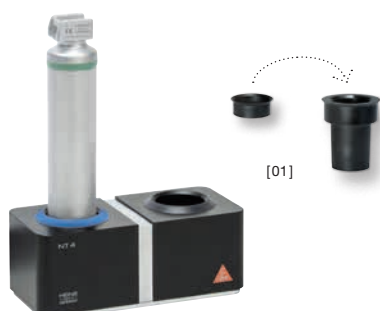


F.O. 4 SHORT NT Laryngoscope Handle (XHL)	3,5V Li-ion
F.O. 4 SHORT NT handle, complete [01]	F-007.22.424
K3Z 4 NT Li-ion charging module [02]	X-007.99.394
Spare bulb	X-002.88.044
NT4 table charger only (without handle)	X-002.99.494

F.O. SHORT Laryngoscope Battery Handle (XHL)	2,5V
F.O. SHORT Handle, complete [03]	F-001.22.812

Please note: The new 3.5V Li-ion versions can only be charged with the new NT4 table charger.

## HEINE® NT 4 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 122.

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® 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 Li-ion
with Standard F.O. Battery Handle	<b>F-119.10.860</b>	
▶ with Standard F.O. 4 NT Rechargeable Handle with Li-ion Battery and NT 4 table charger		<b>F-119.23.865*</b>



As above, but with LED illumination, without spare bulb

LED <sup>HQ</sup> Classic+ Sets	2.5V	3.5V Li-ion
with Standard F.O. LED Battery Handle	<b>F-119.18.860</b>	
▶ with Standard F.O. 4 LED NT Rechargeable Handle with Li-ion Battery and NT 4 table charger		<b>F-119.94.865*</b>



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	<b>F-120.10.860</b>	
▶ with Standard F.O. 4 NT Rechargeable Handle with Li-ion Battery and NT 4 table charger		<b>F-120.23.865*</b>



As above, but with LED illumination, without spare bulb

LED <sup>HQ</sup> Classic+ Sets	2.5V	3.5V Li-ion
with Standard F.O. LED Battery Handle	<b>F-120.18.860</b>	
▶ with Standard F.O. 4 LED NT Rechargeable Handle with Li-ion Battery and NT 4 table charger		<b>F-120.94.865*</b>

## 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 Li-ion
with Standard F.O. Battery Handle	<b>F-230.10.860</b>	
▶ with Standard F.O. 4 NT Rechargeable Handle with Li-ion Battery and NT 4 table charger		<b>F-230.23.865*</b>



As above, but with LED illumination, without spare bulb

LED <sup>HD</sup> FlexTip+ Sets	2.5V	3.5V Li-ion
with Standard F.O. LED Battery Handle	<b>F-230.18.860</b>	
▶ with Standard F.O. 4 LED NT Rechargeable Handle with Li-ion Battery and NT 4 table charger		<b>F-230.94.865*</b>

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

## 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 Li-ion
with Standard F.O. Battery Handle	<b>F-228.10.860</b>	
▶ with Standard F.O. 4 NT Rechargeable Handle with Li-ion Battery and NT 4 table charger		<b>F-228.23.865*</b>



As above, but with LED illumination, without spare bulb

LED <sup>HD</sup> Modular+ Sets	2.5V	3.5V Li-ion
with Standard F.O. LED Battery Handle	<b>F-228.18.860</b>	
▶ with Standard F.O. 4 LED NT Rechargeable Handle with Li-ion Battery and NT 4 table charger		<b>F-228.94.865*</b>

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



## HEINE F.O. Laryngoscope Handles

## Our previous Laryngoscope Handles with Li-ion and NiMH

All handles shown here are not compatible with the new F.O. 4 generation of handles or the new NT 4 table charger. Rechargeable handles shown here are only compatible with previous generation systems and the NT300 table charger. The NT300 table charger is not compatible with F.O. 4 generation handles.



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 insert [02]	F-008.22.890	F-008.22.890	F-008.22.890
Bottom insert [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 insert [02]	F-001.22.859	F-002.22.859	F-002.22.859
Bottom insert [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 insert [02]	F-008.22.801	F-008.22.801*
Bottom insert [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 insert [02]	F-001.22.801	F-002.22.801
Bottom insert [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

## Our previous Laryngoscope Handles with Li-ion and NiMH



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

\*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
<b>Short F.O. Handle, complete</b> 2,5V [01] or 3,5V [02]	<b>F-001.22.812</b>	<b>F-002.22.414</b>
Rechargeable battery K3Z [03]	–	<b>X-002.99.393</b>
Spare bulb	<b>X-001.88.035</b>	<b>X-002.88.044</b>
NT300 charger only (without handle)	–	<b>X-002.99.495</b>

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
<b>F.O. Angled Handle, complete</b> [01]	<b>F-001.22.941</b>	<b>F-002.22.942</b>	<b>F-007.22.945</b>
Bottom insert [02] [03]	<b>X-000.99.119</b>	<b>X-002.99.412</b>	
Rechargeable battery [04]	–	<b>X-002.99.382</b>	
Spare bulb	<b>X-001.88.035</b>	<b>X-002.88.044</b>	<b>X-002.88.044</b>
NT300 charger, only (without handle)	–	<b>X-002.99.495</b>	<b>X-002.99.495</b>

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

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

## HEINE® NT300 Table Charger and Adaptors



All **previous** rechargeable **HEINE F.O. Laryngoscope Handles** of page 074 – 075 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	<b>X-002.99.495</b>
Set of two adaptors for Small F.O. Laryng. Rechargeable Handle [01]	<b>X-000.99.086</b>

\*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® 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	<b>F-257.10.815</b>

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

\*25 disposable blades ⓘ individually packed in Dispenser Box.

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