

# Cold Light Laryngoscopes with new P-GRIP™



## Cold Light Laryngoscopes

### Benefits of KARL STORZ cold light laryngoscopes at a glance



#### New Innovative P-GRIP™ Handles

- ➔ Handles with innovative design are covered with slip-proof silicone to sit comfortably in the hand and are fully autoclavable.



#### Power of Light

- ➔ Provides you with all the brightness your daily routine needs.



#### Gold Standard for Intubation

- ➔ From MACINTOSH with its closed English design through to MILLER or the DÖRGES universal emergency blade, we offer all current shapes and sizes.



#### High Quality Standard and Autoclavable Blades

- ➔ The use of high-quality materials, coupled with skilled craftsmanship, guarantees durability and resistance for more than 5,000 autoclave cycles.

You shouldn't have to settle for anything less...

# KARL STORZ Laryngoscopes

A lifetime investment



## Special Features:

- Crafted from one-piece stainless steel – covered with slip-proof silicone for the user's power grip
- Available in three different sizes: Standard, slim and stubby
- Fully autoclavable handle sleeve
- Ergonomically designed sleeve which is flattened centrally for maximum user comfort
- Flat middle section prevents rolling and falling off surfaces
- 5 year guarantee on handle sleeves and laryngoscope blades

## Battery Inserts with LED Light Source For cold light laryngoscope blades



### Special Features:

- Very bright LED of more than 56 lm / >100,000 Lux
- Standard LED inserts available with rechargeable Li-ion or disposable batteries
- LED with a service life of more than 50,000 hours; no need to replace lamp
- Depending on the battery charge, burning time up to 240 min at 100% brightness
- Rechargeable lithium-ion batteries with 1,000 charging cycles



## Inductive Battery Charger

For rechargeable laryngoscope handles



### Special Features:

- Modified with larger inner diameter for the new P-GRIP™ handles
- No open contacts due to inductive technology
- No corrosion or contact problems
- No voltage peaks extends the lifespan of the rechargeable batteries
- Batteries can be charged with or without handles – sterile packaging
- For use with LED or rechargeable Xenon handles
- Compatible with previous rechargeable battery models

### ISO Standard (applies to blades and handles):

- KARL STORZ laryngoscopes comply with ISO Standard 7376
- Ensures compatibility of any handles and blades with this standard

Green P-GRIP™ handle



Blade marked with a green dot



All handles with black cap have rechargeable Li-ion batteries  
All handles with green cap have disposable batteries

# P-GRIP™ Handles for Cold Light Laryngoscope Blades

## Standard Handles

**NEW**



8546



8546 LD1



8549 LDX

8546

**Handle Sleeve**, with green silicone coating, ISO 7376, **autoclavable**, standard P-GRIP™ handle, for use with Inductive Charging Unit 8546 LE1, Battery Insert Xenon 8546 A, Battery Insert LED 8546 LD1, rechargeable, Battery Insert Set LED 8549 LD and cold light laryngoscopes

8546 LD1

**Battery Insert**, rechargeable, length 12 cm, for Handle Sleeve 8546, with high-power-LED, > 56 lm / > 100 klx, lithium-ion battery insert, burning time 240 min at 100% brightness, charging via Inductive Charging Unit 8546 LE

8549 LDX

**Battery Insert Set LED**, length 12 cm, with high-power LED, > 56 lm / > 100 klx, burning time at 100% brightness > 120 min, for use with Handle Sleeve 8546 and cold light laryngoscopes including:

**Battery Insert**, high-power LED  
2x **Battery**, Mignon-cell, LR 06, 1.5 V  
**Cap**

## Slim Handles

**NEW**



8547



8547 BK

**NEW**



8547 LDX

8547

**Handle Sleeve**, with green silicone coating, ISO 7376, **autoclavable**, slender P-GRIP™ handle, for use with battery insert set LED, slim 8547 LDX, battery inserts Xenon, slim 8547 A, 8547 B and cold light laryngoscopes

8547 BK

**Battery Insert Xenon, slim**, rechargeable, length 12 cm, charging via Inductive Charging Unit 8546 LE/LE1 including:  
**Xenon Lamp**

8547 LDX

**Battery Insert Set LED, slim**, length 12 cm, with high-power LED, burning time > 120 min at 100% brightness, for use with Handle Sleeve 8547 and cold light laryngoscopes including:

**Battery**  
**Cap**

## Short Handles “Stubby”

**NEW**



8548



8548 LDX1

8548

**Handle Sleeve**, with green silicone coating, ISO 7376, **autoclavable**, short P-GRIP™ handle, for use with Battery Insert Set LED 8548 LDX1 and cold light laryngoscopes

8548 LDX1

**Battery Insert Set**, length 6 cm, for Handle Sleeve 8548, with high-power LED, > 56 lm / > 100 klx, burning time > 120 min at 100% brightness, for use with Handle Sleeve 8548 and cold light laryngoscopes including:

**Battery Insert**, high-power LED  
**Photo Battery**, CR 123 A  
**Cap**

## Inductive Charging Unit for rechargeable battery inserts

**NEW**



8546 LE1

**Inductive Charging Unit**, for two battery inserts with handle sleeves (chrome-plated and with green silicone coating), with fully integrated mains adaptor and power adaptor for EU, UK, USA and Australia, power supply 110-240 VAC, 50/60 Hz, suitable for wipe disinfection

8546 R1

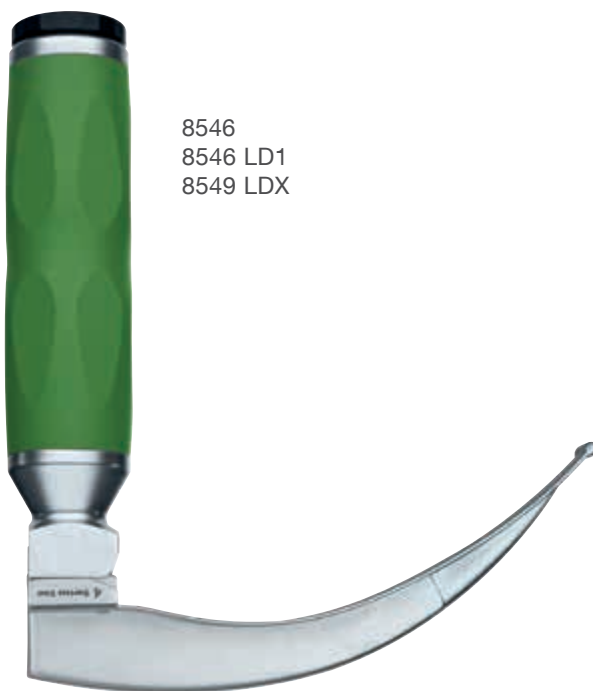
**Reduction Sleeve**, for an optimal loading procedure for the narrow battery inserts

11301 DH

**Holder**, for mounting on a surface, for use with Charging Units 11301 DG, 8546 LE/LE1 and 8401 XDL

MACINTOSH Laryngoscope Blades  
Fiber Optic Light Carrier Incorporated

*autoclavable*



8546  
8546 LD1  
8549 LDX

8541 AA - E



8541 AA    MACINTOSH **Laryngoscope Blade**, cold light, fiber optic light carrier incorporated, size 5



8541 A    MACINTOSH **Laryngoscope Blade**, cold light, fiber optic light carrier incorporated, size 4



8541 B    MACINTOSH **Laryngoscope Blade**, cold light, fiber optic light carrier incorporated, size 3



8541 C    MACINTOSH **Laryngoscope Blade**, cold light, fiber optic light carrier incorporated, size 2



8541 D    MACINTOSH **Laryngoscope Blade**, cold light, fiber optic light carrier incorporated, size 1



8541 E    MACINTOSH **Laryngoscope Blade**, cold light, fiber optic light carrier incorporated, size 0



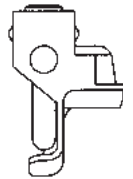
# MACINTOSH Laryngoscope Blades

**TAKE-APART®** with replaceable fiber optic light carriers

**autoclavable**



8546  
8546 LD1  
8549 LDX



8542 A - D



8542 A      MACINTOSH **Laryngoscope Blade**, cold light, TAKE-APART® with replaceable fiber optic light carrier, size 4



8542 B      MACINTOSH **Laryngoscope Blade**, cold light, TAKE-APART® with replaceable fiber optic light carrier, size 3



8542 C      MACINTOSH **Laryngoscope Blade**, cold light, TAKE-APART® with replaceable fiber optic light carrier, size 2



8542 D      MACINTOSH **Laryngoscope Blade**, cold light, TAKE-APART® with replaceable fiber optic light carrier, size 1

8542 AS      **Spare Fiber Optic Light Carrier**, for 8542 A

8542 BS      **Spare Fiber Optic Light Carrier**, for 8542 B

8542 CS      **Spare Fiber Optic Light Carrier**, for 8542 C

8542 DS      **Spare Fiber Optic Light Carrier**, for 8542 D

MILLER Laryngoscope Blades  
 Fiber Optic Light Carrier Incorporated

*autoclavable*

8546  
 8546 LD1  
 8549 LDX



8537 A-E



8537 A MILLER **Laryngoscope Blade**, cold light, fiber optic light carrier incorporated, size 4



8537 B MILLER **Laryngoscope Blade**, cold light, fiber optic light carrier incorporated, size 3



8537 C MILLER **Laryngoscope Blade**, cold light, fiber optic light carrier incorporated, size 2



8537 D MILLER **Laryngoscope Blade**, cold light, fiber optic light carrier incorporated, size 1



8537 E MILLER **Laryngoscope Blade**, cold light, fiber optic light carrier incorporated, size 0

# DÖRGES Emergency Laryngoscope Blade

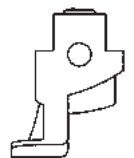
**autoclavable**

## Special Features:

- The special design of the blade makes it suitable for intubating small children, adolescents and adults.
- The thin front section makes this blade very suitable for ENT, e.g., constricted anatomical conditions due to hypertrophic tonsils.
- The overall low height of this blade permits easy intubation even when patients cannot open their mouth wide, e.g. in case of lockjaw or poor relaxation.
- Forward placement of the light outlet provides good illumination.
- Less space is required at the worksite with just one blade size (helpful for rescue services).
- Uniform blade sizes enable easier and standardized training, e.g. for emergency medical personnel.



8535 B



**Universal blades with insertion markings depending on the patient's weight**



8535 B

**DÖRGES Emergency Laryngoscope Blade**, cold light, universal size

PHILLIPS Laryngoscope Blades  
Fiber Optic Light Carrier Incorporated

*autoclavable*



8546  
8546 LD1  
8549 LDX



8535 C/CA



8535 C

PHILLIPS **Laryngoscope Blade**, cold light,  
fiber optic light carrier incorporated, size 2



8535 CA

PHILLIPS **Laryngoscope Blade**, cold light,  
fiber optic light carrier incorporated, size 1

# Laryngoscope Blades for Pediatrics

## Fiber Optic Light Carrier Incorporated

**autoclavable**



8547  
8547 BK  
8547 LDX



8537 F - H



8537 F

**Laryngoscope Blade for Pediatrics,**  
cold light, fiber optic light carrier incorporated, large



8537 G

**Laryngoscope Blade for Pediatrics,** cold light,  
fiber optic light carrier incorporated, medium



8537 H

**Laryngoscope Blade for Pediatrics,** cold light,  
fiber optic light carrier incorporated, small

## Examples for Recommended Sets

### 1. Recommended laryngoscopy set for adults with MACINTOSH cold light laryngoscope blades:

<b>Blades</b>		8541 A 8541 B 8541 C	MACINTOSH <b>Laryngoscope Blade</b> , size 4 MACINTOSH <b>Laryngoscope Blade</b> , size 3 MACINTOSH <b>Laryngoscope Blade</b> , size 2
<b>Handle versions</b>	<b>Rechargeable handles with charging unit</b>	8546 8546 LD1 8546 LE1	<b>P-GRIP™ Handle Sleeve</b> , standard <b>LED Battery Insert</b> , standard <b>Inductive Charging Unit</b> , for two battery inserts
	<b>Handles with battery inserts</b>	8546 8549 LDX	<b>P-GRIP™ Handle Sleeve</b> , standard <b>LED Battery Insert</b> , standard

### 2. Recommended laryngoscopy set for children with MILLER cold light laryngoscope blades:

<b>Blades</b>		8537 C 8537 D 8537 E	MILLER <b>Laryngoscope Blade</b> , size 2 MILLER <b>Laryngoscope Blade</b> , size 1 MILLER <b>Laryngoscope Blade</b> , size 0
<b>Handle versions</b>	<b>Rechargeable handles with charging unit</b>	8547 8547 BK 8546 LE1 8546 R1	<b>P-GRIP™ Handle Sleeve</b> , slim <b>Xenon Battery Insert</b> , slim <b>Inductive Charging Unit</b> , for two battery inserts <b>Reduction Sleeve</b>
	<b>Handles with battery inserts</b>	8547 8547 LDX	<b>P-GRIP™ Handle Sleeve</b> , slim <b>Battery Insert</b> , slim

### 3. Recommended laryngoscopy set with special pediatric cold light laryngoscope blades:

<b>Blades</b>		8537 F 8537 G 8537 H	<b>Laryngoscope Blade for Pediatrics</b> , large <b>Laryngoscope Blade for Pediatrics</b> , medium <b>Laryngoscope Blade for Pediatrics</b> , small
<b>Handle versions</b>	<b>Rechargeable handles with charging unit</b>	8547 8547 BK 8546 LE1 8546 R1	<b>P-GRIP™ Handle Sleeve</b> , slim <b>Xenon Battery Insert</b> , slim <b>Inductive Charging Unit</b> , for two battery inserts <b>Reduction Sleeve</b>
	<b>Handles with battery inserts</b>	8547 8547 LDX	<b>P-GRIP™ Handle Sleeve</b> , slim <b>Battery Insert</b> , slim





**STORZ**  
KARL STORZ—ENDOSKOPE

THE DIAMOND STANDARD



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