Highlights

Optical Forceps for Rigid Bronchoscopy
Rigid bronchoscopy has been performed for more than 100 years, and in the course of this long history, considerable advancements have been made. The company KARL STORZ has played a major role in these developments and today offers extensive experience in this area.

The rigid technique has many advantages. It provides a better overview as well as optimal examination conditions since general anesthesia is required. Rigid bronchoscopy is generally the method of choice for foreign body removal and is absolutely essential for stopping major bleeding. In addition, flexible bronchoscopes can be inserted through the rigid tube as often as desired without causing unnecessary strain on the patient.

The KARL STORZ product range offers a large selection of rigid bronchoscopes as well as the matching instruments. This includes optical forceps. Six model series in various lengths and sizes cover a wide variety of applications. With biopsy, universal, stent, and peanut grasping forceps, a wide variety of procedures can be performed under view – in adults as well as in newborns and toddlers. With our new, patented sheath design and the modified handle with force limitation, KARL STORZ now offers an even more attractive product.
The sheath structure of all optical forceps has been completely revised and replaced by a keyhole-shaped tube. Due to the adapted design, the sheath now consists of only one continuous tube. This results in an optimized, easier cleaning process.

Special Features:

- Simplified cleaning due to new, patented design
  ① Sheath made of one continuous tube
  ② Cleaning adaptor for connecting to automated endoscope reprocessors
- Made of stainless steel
The handles of the existing optical forceps have additionally been redesigned to include a force limiting handle. This feature optimizes tactile feedback, for instance when grasping foreign bodies, and protects the jaw mechanics from fracture due to overload.

Special Features:

- Improved tactile feedback when grasping soft foreign bodies
- Force limitation to protect from jaw fracture
Optical Forceps for Rigid Bronchoscopy in Adults

For use with HOPKINS® telescopes with diameter 5.5 mm, length 50 cm (10320 AA/BA) and 0° and 30° directions of view.

To supplement bronchoscopy equipment, we recommend the following optical forceps:

- **10350 HF** Optical Forceps, alligator, for hard foreign bodies, large jaws, with force-limited handle, incl. cleaning adaptor
- **10350 L** Optical Forceps, for biopsy, spoon-shaped, round, cup diameter 4.3 mm, incl. cleaning adaptor
- **10350 ST** Optical Forceps, for the repositioning and removal of DUMON silicone stents or polymer, metal and hybrid stents, incl. cleaning adaptor
The range of optical forceps in the set can be supplemented with the following instruments:

10320 AA  HOPKINS® Straight Forward Telescope 0°, diameter 5.5 mm, length 50 cm, autoclavable, fiber optic light transmission incorporated, color code: green
10318 BP  Universal Bronchoscope, size 8.5, length 43 cm
10318 CP  Universal Bronchoscope, size 7.5, length 43 cm
10320 SP  Telescope Guide Sheath, for use with Bronchoscopes 10318 BP/CP/DP, 10318 ER/GL/FL and HOPKINS® Telescopes 10320 AA/BA

Adaptor
10101 HA  Prismatic Light Deflector, autoclavable, with connection for fiber optic light cable
10314 BN  Rubber Telescope Guide
10318 S  Instrument Guide, for suction catheter
10924 D  Adaptor, for respirator

Alternative Adaptor for Jet Ventilation:
10318 K  Injection Cannula, for positive pressure assisted ventilation system, Luer-Lock, outer diameter 3.5 mm, for use with bronchoscope series 10318 and 10339

Cleaning / Sterilization
39316B  Single layered plastic wrap-tray for sterilization, storage and transport of Adult Bronchoscopy Instrument set. 26” x 9.7” x 6.48”
KSZ-27717D  Multi-layered metal no-wrap container for sterilization, storage and transport of Adult Bronchoscopy Instrument set. 27” x 11” x 8”

An overview of additional instruments and compatibilities can be found on page 12. For additional instruments for bronchoscopy in adults, please see the THORAX catalog.
Optical Forceps for Rigid Bronchoscopy in children
For use with HOPKINS® telescope with diameter 2.9 mm, length 36 cm (10324 AA) and 0° direction of view.

To supplement bronchoscopy equipment, we recommend the following optical forceps:

10378 HF  Optical Forceps, with alligator jaws, for the controlled grasping of hard foreign bodies, with force-limited handle, incl. cleaning adaptor

10378 CF  Optical Forceps, 2 x 2 teeth, for the controlled grasping of coins and flat foreign bodies, with force-limited handle, incl. cleaning adaptor

10378 KF  Optical Forceps, with KILLIAN bean jaws, for the controlled grasping of peanuts and soft foreign bodies, with force-limited handle, incl. cleaning adaptor
The range of optical forceps in the set can be supplemented with the following instruments:

10324 AA  **HOPKINS® Straight Forward Telescope 0°**, diameter 2.9 mm, length 36 cm, autoclavable, fiber optic light transmission incorporated, color code: green
10339 DD  **DOESEL-HUZL Bronchoscope**, size 3.5, length 26 cm
10339 CD  **DOESEL-HUZL Bronchoscope**, size 3.5, length 30 cm
10339 CC  **DOESEL-HUZL Bronchoscope**, size 4, length 26 cm
10339 C   **DOESEL-HUZL Bronchoscope**, size 4, length 30 cm
10339 BB  **DOESEL-HUZL Bronchoscope**, size 4.5, length 30 cm
10338 RL  **Telescope Bridge**, for fixed position between HOPKINS® Telescope 10324 AA and Bronchoscopes 10339 CC/DD/EE/GG
10338 RK  **Telescope Bridge**, for fixed position between HOPKINS® Telescope 10324 AA and Bronchoscopes 10339 A/B/BB/C/CD/EEE/G

**Adaptor**

10101 HA  **Prismatic Light Deflector**, autoclavable, with connection for fiber optic light cable
10338 N   **Rubber Telescope Guide**
10338 S   **Instrument Guide**, for suction catheter, short
10924 D   **Adaptor**, for respirator

**Alternative Adaptor for Jet Ventilation:**

10318 K   **Injection Cannula**, for positive pressure assisted ventilation system, LUER-Lock, outer diameter 3.5 mm, for use with bronchoscope series 10318 and 10339

**Cleaning / Sterilization**

39316F   **Multi-layered plastic wrap-tray for sterilization**, storage and transport of Pediatric Bronchoscopy Instrument set. 24" x 9.75" x 4.5"
KSZ-39316F **Multi-layered metal no-wrap container for sterilization**, storage and transport of Pediatric Bronchoscopy Instrument set. 23.5" x 11" x 8"

An overview of additional instruments and compatibilities can be found on page 12.

For additional instruments for bronchoscopy in adults, please see the THORAX catalog.
System Overview of Universal Bronchoscopes with Distal Illumination

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Size</th>
<th>Total Length</th>
<th>Telescopes</th>
<th>Optical Forceps</th>
</tr>
</thead>
<tbody>
<tr>
<td>10318 BK</td>
<td>8.5</td>
<td>43 cm</td>
<td>10320</td>
<td>for use with HOPKINS® Telescope 10320 AA/BA: 10350 HF, 10350 KF, 10350 L, 10350 ST, 10350 U</td>
</tr>
<tr>
<td>10318 CK</td>
<td>7.5</td>
<td>43 cm</td>
<td>10320</td>
<td>for use with HOPKINS® Telescope 10320 AA/BA: 10350 HF, 10350 KF, 10350 L, 10350 ST, 10350 U</td>
</tr>
<tr>
<td>10318 DK</td>
<td>6.5</td>
<td>43 cm</td>
<td>10328</td>
<td>for use with HOPKINS® Telescope 10328 AA: 10352 H, 10352 KF, 10352 L and 10352 U</td>
</tr>
</tbody>
</table>
# System Overview of Universal Bronchoscopes and Tracheoscopes with Proximal Illumination

<table>
<thead>
<tr>
<th>Art. No</th>
<th>Size</th>
<th>Total Length – L –</th>
<th>Telescopes</th>
<th>Optical Forceps</th>
</tr>
</thead>
<tbody>
<tr>
<td>10318 H</td>
<td>16</td>
<td>33 cm</td>
<td>10320</td>
<td></td>
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<tr>
<td>10318 G</td>
<td>14</td>
<td>33 cm</td>
<td>10320</td>
<td></td>
</tr>
<tr>
<td>10318 F</td>
<td>12</td>
<td>33 cm</td>
<td>10320</td>
<td></td>
</tr>
<tr>
<td>10318 GL</td>
<td>14</td>
<td>43 cm</td>
<td>10320 with 10320 SP</td>
<td>for use with HOPKINS® Telescope 10320 AA/BA: 10350 HF, 10350 KF, 10350 L, 10350 ST, 10350 U</td>
</tr>
<tr>
<td>10318 FL</td>
<td>12</td>
<td>43 cm</td>
<td>10320 with 10320 SP</td>
<td>for use with HOPKINS® Telescope 10320 AA/BA: 10350 HF, 10350 KF, 10350 L, 10350 ST, 10350 U</td>
</tr>
<tr>
<td>10318 ER</td>
<td>11</td>
<td>43 cm</td>
<td>10320 with 10320 SP</td>
<td></td>
</tr>
<tr>
<td>10318 BP</td>
<td>8.5</td>
<td>43 cm</td>
<td>10320 with 10320 SP</td>
<td>for use with HOPKINS® Telescope 10320 AA/BA: 10350 HF, 10350 KF, 10350 L, 10350 ST, 10350 U</td>
</tr>
<tr>
<td>10318 CP</td>
<td>7.5</td>
<td>43 cm</td>
<td>10320 with 10320 SP</td>
<td></td>
</tr>
<tr>
<td>10318 DP</td>
<td>6.5</td>
<td>43 cm</td>
<td>10328 with 10328 SP 10320 with 10320 SP</td>
<td>for use with HOPKINS® Telescope 10320 AA/BA: 10352 H, 10352 KF, 10352 L, 10352 U for use with HOPKINS® Telescope 10320 AA/BA: 10350 HF, 10350 KF, 10350 L, 10350 ST, 10350 U</td>
</tr>
</tbody>
</table>
## System Overview of **DOESEL-HUZLY** Pediatric Bronchosopes with Proximal Illumination

[Diagram of a bronchoscope]

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Size</th>
<th>Total Length</th>
<th>Telescopes with Telescope Bridge</th>
<th>Optical Forceps</th>
</tr>
</thead>
<tbody>
<tr>
<td>10339 AL</td>
<td>6 5</td>
<td>40 cm</td>
<td>10023 with 10338 R</td>
<td>for use with HOPKINS® Telescope 10023 ABA: 10379 CF, 10379 HF, 10379 KF, 10379 L</td>
</tr>
<tr>
<td>10339 B</td>
<td>6 4.5</td>
<td>30 cm</td>
<td>10324 with 10338 RK 10020 with 10338 LCD</td>
<td>for use with HOPKINS® Telescope 10324 AA: 10378 CF, 10378 HF, 10378 KF, 10378 KSF, 10378 L, 10378 M, 10378 U</td>
</tr>
<tr>
<td>10339 C</td>
<td>4 3.7</td>
<td>26 cm</td>
<td>10324 with 10338 RL 10020 with 10338 R</td>
<td>for use with Telescope 10020 ATA: 10377 CF, 10377 HF, 10377 KF, 10377 U</td>
</tr>
<tr>
<td>10339 D</td>
<td>3.5</td>
<td>18.5 cm</td>
<td>10018 with 10338 LCD</td>
<td>for use with Telescope 10030 AA: 10374 HF, 10374 L</td>
</tr>
<tr>
<td>10339 E</td>
<td>3</td>
<td></td>
<td>10018 with 10338 LCD</td>
<td>for use with Telescope 10030 AA: 10374 HF, 10374 L</td>
</tr>
<tr>
<td>10339 F</td>
<td>2.5</td>
<td></td>
<td>10017 with 10338 LCD 10018 with 10338 LCD</td>
<td>for use with Telescope 10030 AA: 10374 HF, 10374 L</td>
</tr>
</tbody>
</table>
It is recommended to check the suitability of the product for the intended procedure prior to use.