Otoscropy
with HOPKINS® Telescopes

Special features:
● Ideal for overview of the entire eardrum
● Clear, bright and extremely sharp image with high resolution and sharpness in depth
● HOPKINS® telescopes 4 mm for adults, 3 and 2.7 mm for small children or particularly narrow auditory canal, as well as 1.9 mm for use through an incision in the eardrum
Otoscopy with HOPKINS® Telescopes

Diameter 1.9 mm, length 10 cm
For preoperative and postoperative examinations of the middle ear

1232 AA

HOPKINS® Straight Forward Telescope 0°, diameter 1.9 mm, length 10 cm, autoclavable, fiber optic light transmission incorporated, color code: green

1232 BA

HOPKINS® Forward-Oblique Telescope 30°, diameter 1.9 mm, length 10 cm, autoclavable, fiber optic light transmission incorporated, color code: red

Diameter 2.7 mm, length 11 cm
For tympanoscopy, examination of the middle ear and rhinoscopy

1230 AA

HOPKINS® Straight Forward Telescope 0°, diameter 2.7 mm, length 11 cm, autoclavable, fiber optic light transmission incorporated, color code: green

1230 BA

HOPKINS® Forward-Oblique Telescope 30°, diameter 2.7 mm, length 11 cm, autoclavable, fiber optic light transmission incorporated, color code: red

723750 A Protective Sleeve, for HOPKINS® telescopes with length of 6 – 11 cm
Otoscopy with HOPKINS® Telescopes

Diameter 3 mm, length 6 cm

1218 AA

Tele-Otoscope with HOPKINS® Straight Forward Telescope 0°, diameter 3 mm, length 6 cm, autoclavable, fiber optic light transmission incorporated, color code: green

1218 BA

Tele-Otoscope with HOPKINS® Forward-Oblique Telescope 30°, diameter 3 mm, length 6 cm, autoclavable, fiber optic light transmission incorporated, color code: red

Diameter 4 mm, length 6 cm

1215 AA

Tele-Otoscope with HOPKINS® Straight Forward Telescope 0°, diameter 4 mm, length 6 cm, autoclavable, fiber optic light transmission incorporated, color code: green

119500

HAWKE Pneumatic Adaptor, for Ear Specula 119401 – 119410, including rubber bulb with tube and screw-on cone, for use with Tele-Otoscope 1218 AA

119515

Bridge, for Pneumatic Adaptor 119500, for use with Tele-Otoscope 1215 AA with Ear Specula 119401 – 119404 and Tele-Otoscope 1218 AA with Ear Specula 119401 – 119410

Components/Spare Parts see ENT catalog
**Otoscopy**

LED BRITE LITE Battery Light Source

**Special Features:**
- Extremely powerful battery light source
- Available as battery and rechargeable versions
- Absolute white light thanks to LED technology
- Special light focus allows optimal light adjustment at the endoscope connector
- LED service life of up to 50,000 hours
- Burning time of 120 min

**11301 D4**  
Battery Light Source LED for Endoscopes, with fast screw thread, boost mode for temporary increase in brightness, burning time > 120 min, brightness > 110 lm / > 150 klx, weight approx. 150 g ready for use, suitable for wipe disinfection, for use with KARL STORZ endoscopes

**11301 DE**  
Battery Light Source LED for Endoscopes, rechargeable, with click connection, boost mode for temporary increase in brightness, color temperature 5500 K, lithium-ion batteries, charging time 60 min, burning time at 100% brightness 40 min, weight approx. 150 g, suitable for wipe disinfection

**11301 DG**  
Same, with fast screw thread

**11301 DG1**  
Charging Unit, for two LED battery light sources, with fixed integrated power supply and adaptor for EU, UK, USA and Australia, power supply 110 – 240 VAC, 50/60 Hz, suitable for wipe disinfection, for use with Battery Light Source LED 11301 DE and DF

**094129**  
Battery Charger Li-Ion, for charging Rechargeable Battery Box 094124 or Battery Light Source LED 11301 DE/DF, power supply 100 – 240 VAC, 50/60 Hz, for use with Mains Cord 094127

**094127**  
Mains Cord, for Battery Charger 094129, length 150 cm

**Note:**  
Please order charging unit or battery charger with mains cord for Battery Light Sources LED 11301 DE/DF.  
Components/Spare Parts see ENT catalog
Special Features:
● High-quality optical system
● Lightweight and ergonomic design with integrated shutter/video release and manual focus
● With standby function
● Powerful integrated LED illumination
● Single-use ear speculum
● State-of-the-art CMOS sensor

USB Video Otoscope
including:
Ear Speculum, package of 100
KARL STORZ Video Editor

Accessories:

Ear Speculum, for CMOS video otoscope and USB video otoscope, outer diameter 4 mm, black, unsterile, for single use, package of 1000

Please note: Laptops are not included in delivery.
Components/Spare Parts see ENT catalog
Otoscopy
CMOS Video Otoscope

Special Features:
- “All-in-one” solution meets convenience – the video otoscope in conjunction with the C-MAC® system allows optimum mobility
- For imaging and documentation of the auditory canal and eardrum
- High-resolution CMOS sensor
- Powerful integrated LED illumination
- High-quality optical system
- Optimal hygiene thanks to exchangeable, single-use ear specula
- Lightweight, ergonomic design
- Manual focus ring
- Compatible with KARL STORZ C-MAC® monitor system and C-HUB® Camera Control Unit

121200 K
CMOS Video Otoscope, with integrated LED illumination, for use with C-HUB® II 20 2903 01 and Monitor 8402 ZX or Monitor 8403 ZX
including:
Ear Speculum, package of 100
C-MAC® Monitor for CMOS Endoscopes, set

121204
Ear Speculum, for CMOS video otoscope and USB video otoscope, outer diameter 4 mm, black, unsterile, for single use, package of 1000

Components/Spare Parts see ENT catalog
121300 HEINE Otoscope, otoscope head with fiber optic light transmission incorporated including:
   Ear Specula, outer diameter 2.5 – 5 mm
   Battery Handle
   2x 1.5 Volt Battery
   Spare Lamp

   ○ 121302 Ear Speculum, reusable, black, outer diameter 2.5 mm
   ○ 121303 Same, outer diameter 3 mm
   ○ 121304 Same, outer diameter 4 mm
   ○ 121305 Same, outer diameter 5 mm

   ○ 121332 Ear Speculum, gray, outer diameter 2.5 mm, for children, unsterile, for single use, package of 1000
   ○ 121334 Same, outer diameter 4 mm, for adults

Components/Spare Parts see ENT catalog
8565 B  **Battery Handle**, 3.5 Volt
including:
**Rack**
**Charger**, power supply 220 – 240 VAC

Components/Spare Parts see ENT catalog
Instruments for Diagnosis and Therapy – Outer Ear

Auricle Plasty Set
## Recommended Set

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Item Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 208000</td>
<td>Surgical Handle, Fig. 3, length 12.5 cm</td>
</tr>
<tr>
<td>2 208015</td>
<td>Blade, Fig. 15, unsterile, for single use, package of 100</td>
</tr>
<tr>
<td>3 208011</td>
<td>Blade, Fig. 11, Fig. 15, unsterile, for single use, package of 100 (not illustrated)</td>
</tr>
<tr>
<td>4 511210</td>
<td>Scissors, extra delicate, curved, length 10 cm</td>
</tr>
<tr>
<td>5 511414</td>
<td>JOSEPH Scissors, curved, length 14 cm</td>
</tr>
<tr>
<td>6 513410</td>
<td>COTTLE Scissors, curved, length 10.5 cm</td>
</tr>
<tr>
<td>7 791202</td>
<td>Scissors, curved, sharp/blunt, length 14.5 cm</td>
</tr>
<tr>
<td>8 530910</td>
<td>Tissue Forceps, delicate, straight, 1 x 2 teeth, length 10 cm</td>
</tr>
<tr>
<td>9 530811</td>
<td>Tissue Forceps, 7 x 8 fine teeth, length 11 cm</td>
</tr>
<tr>
<td>10 792402</td>
<td>Dressing Forceps, medium, length 14.5 cm</td>
</tr>
<tr>
<td>11 793402</td>
<td>Tissue Forceps, 1 x 2 teeth, medium, length 14.5 cm</td>
</tr>
<tr>
<td>12 151011</td>
<td>Cotton Applicator, standard model, triangular serrated, diameter 1.1 mm, working length 13 cm</td>
</tr>
<tr>
<td>13 493000</td>
<td>COTTLE Nasal Knife, rounded edge, length 14 cm</td>
</tr>
<tr>
<td>14 474000</td>
<td>Ffre Elevator, double-ended, semisharp and blunt, length 20 cm</td>
</tr>
<tr>
<td>15 474200</td>
<td>Ffre-Joseph Elevator, double-ended, slender, semisharp and sharp, length 20 cm</td>
</tr>
<tr>
<td>16 477500</td>
<td>Ffre Raspatory, curved, width 4 mm, length 18 cm</td>
</tr>
<tr>
<td>17 499101</td>
<td>Hook, one prong, large curve, length 16.5 cm</td>
</tr>
<tr>
<td>18 499205</td>
<td>JOSEPH Hook, two prongs, sharp, width 5 mm, length 15 cm</td>
</tr>
<tr>
<td>19 786202</td>
<td>Retractor, blunt, 2 prongs, length 17 cm</td>
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<tr>
<td>20 810802</td>
<td>Medicine Cup, 25 cm³, diameter 60 mm, height 28 mm</td>
</tr>
<tr>
<td>21 204810</td>
<td>FERGUSON Suction Tube, with cut-off hole and stylet, LUER, 10 Fr., working length 11 cm</td>
</tr>
<tr>
<td>22 204808</td>
<td>Same, 8 Fr.</td>
</tr>
<tr>
<td>23 6x 535212</td>
<td>HALSTEAD &quot;Mosquito&quot; Artery Forceps, curved, length 12.5 cm</td>
</tr>
<tr>
<td>24 537014</td>
<td>Dissecting Forceps, straight, without ratchet, length 14 cm</td>
</tr>
<tr>
<td>25 794014</td>
<td>ROCHESTER-PEAN Artery Forceps, straight, length 14 cm</td>
</tr>
<tr>
<td>26 6x 796011</td>
<td>BACKHAUS Towel Forceps, length 11 cm</td>
</tr>
<tr>
<td>27 516013</td>
<td>Needle Holder, tungsten carbide inserts, length 13 cm</td>
</tr>
<tr>
<td>28 842116</td>
<td>Bipolar Coagulation Forceps, insulated, angled tip, tip 0.5 mm, length 16 cm</td>
</tr>
<tr>
<td>29 847000</td>
<td>Bipolar High Frequency Cord, length 300 cm (not illustrated)</td>
</tr>
</tbody>
</table>

### Recommended Accessories for Containers (not illustrated):
- 39502 ZH Wire Tray for Cleaning, Sterilization and Storage
- 39740 A2 Sterilization Container, with MicroStop®
- 39763 A2 Coding Label
- 39762 D2 Color Tab, blue

### Further Accessories for Cleaning and Sterilization
see HYGIENE catalog
Instruments for Diagnosis and Therapy – Outer Ear

Tympanostomy Set
<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>1</td>
<td>122005</td>
<td>HARTMANN Ear Speculum, standard model, outer diameter 5 mm, length 3.6 cm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>122006</td>
<td>Same, outer diameter 6 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>122007</td>
<td>Same, outer diameter 7.5 mm</td>
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<tr>
<td>4</td>
<td>221100</td>
<td>HARTMANN Ear Forceps, dismantling, extra delicate, serrated, 1 x 4.5 mm, working length 8 cm</td>
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<tr>
<td>5</td>
<td>153301</td>
<td>BUCK Ear Curette, blunt, size 1, length 14.5 cm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>223300</td>
<td>PLESTER Sickle Knife, double-edged, standard model, slightly curved, length 16 cm</td>
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<tr>
<td>7</td>
<td>224303</td>
<td>WULLSTEIN Needle, slight curve, length 16.5 cm</td>
<td></td>
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<tr>
<td>8</td>
<td>225208</td>
<td>Pick, 90°, size 0.8 mm, length 16 cm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>204200</td>
<td>FISCH Adaptor, with cut-off hole, LUER cone, length 5.5 cm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>204310</td>
<td>Suction Tube, straight, LUER-Lock, malleable, outer diameter 1 mm, length 10 cm</td>
<td></td>
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</tr>
<tr>
<td>11</td>
<td>204313</td>
<td>Same, outer diameter 1.3 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>204315</td>
<td>Same, outer diameter 1.5 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>204320</td>
<td>Same, outer diameter 2 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>230100</td>
<td>TUBINGEN Ventilation Tube, made of precious metal and gold-plated, without retrieval wire, inner diameter 1.5 mm, size 2, outer diameter 2.8 mm, sterile, for single use, package of 10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Optional:

- 1218 AA Tele-Otoscope, with HOPKINS® straight forward telescope 0°, diameter 3 mm, length 6 cm, autoclavable, fiber optic light transmission incorporated, color code: green

Accessories recommended for containers (not illustrated):

- 39502 MB Wire Tray for MiniSet Container for Cleaning, Sterilization and Storage
- 39781 A MiniSet Container, with MicroStop®
- 39763 A2 Coding Label
- 39762 D2 Color Tab, blue

Further Accessories for Cleaning and Sterilization see HYGIENE catalog
Instruments for Diagnosis and Therapy – Outer Ear

Ventilation Tubes and Accessories

The advantage of the TÜBINGER ventilation tube is that the larger lumen provides better drainage.

230100 TÜBINGEN Ventilation Tube, made of precious metal and gold-plated, without retrieval wire, inner diameter 1.5 mm, size 2, outer diameter 2.8 mm, sterile, for single use, package of 10

230110 TÜBINGEN Ventilation Tube, made of precious metal and gold-plated, without retrieval wire, inner diameter 1.25 mm, size 1, outer diameter 2.6 mm, sterile, for single use, package of 10

230506 SHEPARD Ventilation Tube, teflon, with retrieval wire, inner diameter 1.1 mm, sterile, for single use, package of 6

228200 Gelfoam Press, length 18 cm

230000 Ventilation Drainage Tube Inserter, working length 10 cm
Instruments for Diagnosis and Therapy – Outer Ear

Ear Specula

<table>
<thead>
<tr>
<th>Size</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>119420</td>
<td>BRÜNINGS Ear Speculum, size 00, outer diameter 3 mm</td>
</tr>
<tr>
<td>0</td>
<td>119410</td>
<td>Same, size 0, outer diameter 4.5 mm</td>
</tr>
<tr>
<td>1</td>
<td>119401</td>
<td>Same, size 1, outer diameter 6 mm</td>
</tr>
<tr>
<td>2</td>
<td>119402</td>
<td>Same, size 2, outer diameter 7.5 mm</td>
</tr>
<tr>
<td>3</td>
<td>119403</td>
<td>Same, size 3, outer diameter 9.5 mm</td>
</tr>
<tr>
<td>4</td>
<td>119404</td>
<td>Same, size 4, outer diameter 11 mm</td>
</tr>
</tbody>
</table>

Rubber Bulb, for pneumatic testing, with record cone, for Diagnostic Heads 119700 – 120600

Diagnostic Heads
- SIEGLE Diagnostic Head, without magnification 119700
- BRÜNINGS Diagnostic Head, with magnification, anastigmatic 119800
- FRENZEL Operating Head, with wall detail, with magnification, anastigmatic 119900

Ear Specula

<table>
<thead>
<tr>
<th>Size</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 mm</td>
<td>122003</td>
<td>HARTMANN Ear Speculum, standard model, outer diameter 3 mm, length 3.6 cm</td>
</tr>
<tr>
<td>4 mm</td>
<td>122004</td>
<td>Same, outer diameter 4 mm</td>
</tr>
<tr>
<td>5 mm</td>
<td>122005</td>
<td>Same, outer diameter 5 mm</td>
</tr>
<tr>
<td>6 mm</td>
<td>122006</td>
<td>Same, outer diameter 6 mm</td>
</tr>
<tr>
<td>7.5 mm</td>
<td>122007</td>
<td>Same, outer diameter 7.5 mm</td>
</tr>
</tbody>
</table>

Ear Specula, short, for children

<table>
<thead>
<tr>
<th>Size</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 mm</td>
<td>122503</td>
<td>HARTMANN Ear Speculum, short, for children, outer diameter 3 mm, length 2.7 cm</td>
</tr>
<tr>
<td>4 mm</td>
<td>122504</td>
<td>Same, outer diameter 4 mm</td>
</tr>
<tr>
<td>5 mm</td>
<td>122505</td>
<td>Same, outer diameter 5 mm</td>
</tr>
</tbody>
</table>

Components/Spare Parts see ENT catalog
Stainless Steel Ear Specula

- **4 mm**: 123031 FARRIOR Ear Speculum, round, size 1, outer diameter 4 mm, length 4.5 cm
- **5 mm**: 123032 Same, size 2, outer diameter 5 mm
- **6 mm**: 123033 Same, size 3, outer diameter 6 mm
- **7 mm**: 123034 Same, size 4, outer diameter 7 mm
- **8 mm**: 123035 Same, size 5, outer diameter 8 mm
- **9 mm**: 123036 Same, size 6, outer diameter 9 mm
- **10 mm**: 123037 Same, size 7, outer diameter 10 mm

- **4.0 x 4.8 mm**: 123041 FARRIOR Ear Speculum, oval, size 1, 4.0 x 4.8 mm, length 4.3 cm
- **5.0 x 5.8 mm**: 123042 Same, size 2, 5.0 x 5.8 mm
- **5.5 x 6.3 mm**: 123043 Same, size 3, 5.5 x 6.3 mm
- **6.0 x 6.8 mm**: 123044 Same, size 4, 6.0 x 6.8 mm
- **6.5 x 7.3 mm**: 123045 Same, size 5, 6.5 x 7.3 mm
- **7.0 x 7.8 mm**: 123046 Same, size 6, 7.0 x 7.8 mm
- **7.5 x 8.3 mm**: 123047 Same, size 7, 7.5 x 8.3 mm
- **8.0 x 8.8 mm**: 123048 Same, size 8, 8.0 x 8.8 mm
- **8.5 x 9.3 mm**: 123049 Same, size 9, 8.5 x 9.3 mm

- **HOLMGREEN Endaural Ear Speculum**, self-retaining, outer diameter 5 mm
- **123206**: Same, outer diameter 6 mm
- **123207**: Same, outer diameter 7 mm
Instruments for Diagnosis and Therapy –
Outer Ear

Tuning Forks

125300 125400

125500 125600 125700 125800

125501 126000

130000

125300 Tuning Fork, C-128, with weights
125400 Same, C'1-256, with weights
125500 Same, C'2-512, without weights
125600 Same, C'3-1024, without weights
125700 Same, C'4-2048, without weights
125800 Same, C'5-4096, without weights
125501 Tuning Fork, C'2-512, without weights, with stand
125601 Tuning Fork, C'3-1024, without weights, with stand
126000 Tuning Fork, A'1-440, with stand
130000 BARANY Noise Apparatus, with ear olive

Components/Spare Parts see ENT catalog
Instruments for Diagnosis and Therapy – Outer Ear

Nystagmus Spectacles

FRENZEL Nystagmus Spectacles, black frame, with attached, adjustable battery handle and ventilation slots, including 2 Lamps 138964, 4 V, for use with 3 Batteries 121306 (not included in delivery)

Components/Spare Parts see ENT catalog
Instruments for Diagnosis and Therapy – Outer Ear

Air Bag, Catheter, Powder Blower

142000 POLITZER Air Bag, with metal cone, 8 oz.
142418 Nasal Olive, metal, size 18 mm
142420 Same, size 20 mm
142422 Same, size 22 mm
143800 Rubber Balloon, for eustachian catheter, 2 ½ oz.
146001 HARTMANN Eustachian Catheter, size 1, length 13.5 cm, olive diameter 2.8 mm
149320 KABIERSKE Powder Blower, with large bottle, with 1 straight Cannula 149325 and 1 curved Cannula 149326

Components/Spare Parts see ENT catalog
Instruments for Diagnosis and Therapy –
Outer Ear

Ear Probe, Cotton Applicators, Ear Spatula

150100  STACKE Ear Probe, length 10.5 cm
151007  Cotton Applicator, standard model, triangular serrated, diameter 0.7 mm, working length 13 cm
151009  Same, diameter 0.9 mm
151011  Same, diameter 1.1 mm
151013  Same, diameter 1.3 mm
151213  Cotton Applicator, with thread, diameter 1.3 mm, working length 17.5 cm
151500  FROHN Cotton Applicator, with thread, diameter 1.1 mm, working length 12.5 cm
152201  WAGENER Ear Hook, with ball end, size 1, length 15.5 cm
152202  Same, size 2
152203  Same, size 3
152301  Ear Hook, without ball end, size 1, length 15.5 cm
152302  Same, size 2
152400  JOBSON-HORNE Probe, working length 18 cm
152600  ZAUFAL Ear Spatula, length 14.5 cm
Instruments for Diagnosis and Therapy – Outer Ear

Ear Loops

152801  BILLEAU Ear Loop, size 1, length 16 cm
152802  Same, size 2
152803  Same, size 3
153010  WEBER-LOCH Ear Loop, size 0, length 14.5 cm
153001  Same, size 1
153002  Same, size 2
Instruments for Diagnosis and Therapy – Outer Ear

Ear Curettes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>153320</td>
<td>BUCK Ear Curettes, blunt</td>
<td>153310 Same, size 0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>153301 Same, size 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>153302 Same, size 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>153303 Same, size 3</td>
</tr>
<tr>
<td>153420</td>
<td>BUCK Ear Curette, sharp</td>
<td>153410 Same, size 0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>153401 Same, size 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>153402 Same, size 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>153403 Same, size 3</td>
</tr>
</tbody>
</table>

BUCK Ear Curettes, blunt:
- 153320: BUCK Ear Curette, blunt, size 00, length 14.5 cm
- 153310: Same, size 0
- 153301: Same, size 1
- 153302: Same, size 2
- 153303: Same, size 3

BUCK Ear Curettes, sharp:
- 153420: BUCK Ear Curette, sharp, size 00, length 14.5 cm
- 153410: Same, size 0
- 153401: Same, size 1
- 153402: Same, size 2
- 153403: Same, size 3
Instruments for Diagnosis and Therapy – Outer Ear

Ear Knives

153800 POLITZER **Ear Knife**, straight, working length 6.5 cm
154000 **Same**, curved
154500 TRAUTMANN **Ear Knife**, delicate, bayonet-shaped, working length 7.5 cm
154800 POLITZER **Ear Knife**, delicate, angular, working length 7.5 cm
155000 **Ear Knife**, screw handle, angular, working length 8 cm
155200 **Same**, bayonet-shaped
Instruments for Diagnosis and Therapy – Outer Ear

Forceps, Dressing Forceps

156000  LUCAE Ear Forceps, bayonet-shaped, length 14.5 cm
157000  TRÖLTSCH Ear Dressing Forceps, serrated, standard model, working length 7.5 cm
157100  TRÖLTSCH Ear Dressing Forceps, serrated, small and delicate, working length 4.5 cm
158500  HARTMANN Ear Dressing Forceps, slender, working length 6 cm
158800  Same, extra delicate
Instruments for Diagnosis and Therapy –
Outer Ear
Ear Forceps, Ear Snare, Snare Wire

161000  HARTMANN Ear Forceps, dismantling, serrated, working length 8 cm
161200  Ear Forceps, dismantling, duckbill, flat, serrated jaws, working length 8 cm
162020  HARTMANN Ear Forceps, dismantling, round cupped jaws, diameter 2 mm, working length 8 cm
162025  Same, diameter 2.5 mm
162500  STRÜMPEL Ear Forceps, dismantling, working length 8 cm
162800  HARTMANN Ear Forceps, dismantling, through-cutting, straight, working length 8 cm
164100  KRAUSE Ear Snare, length 18 cm
164800  Snare Wire, for Ear Snares 164100, package of 25
Ear Microsurgery

**PLESTER Basic Instrument Set**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>400500 HARTMANN Nasal Speculum, length 13 cm</td>
</tr>
<tr>
<td>2</td>
<td>213008 PLESTER Raspotomy, width 8 mm</td>
</tr>
<tr>
<td>3</td>
<td>212803 LEMPERT Raspotomy, width 3 mm</td>
</tr>
<tr>
<td>4</td>
<td>213500 Tissue Forceps, 1 x 2 teeth, length 11.5 cm</td>
</tr>
<tr>
<td>5</td>
<td>214000 WULLSTEIN Forceps, serrated, length 15 cm</td>
</tr>
<tr>
<td>6</td>
<td>213200 Scissors, curved, sharp/blunt, length 12 cm</td>
</tr>
<tr>
<td>7</td>
<td>222011 PLESTER Retractor, 2 x 2 prongs</td>
</tr>
<tr>
<td>8</td>
<td>220411 Same, left side with full blade</td>
</tr>
<tr>
<td>9</td>
<td>220511 Same, right side with full blade</td>
</tr>
<tr>
<td>10</td>
<td>220700 WILLIGER Retractor, sharp</td>
</tr>
<tr>
<td>11</td>
<td>208000 Surgical Handle, Fig. 3, length 12.5 cm</td>
</tr>
<tr>
<td>12</td>
<td>208015 Blade, Fig. 15, unsterile</td>
</tr>
<tr>
<td>13</td>
<td>208011 Same, Fig. 11 (not illustrated)</td>
</tr>
<tr>
<td>14</td>
<td>791202 Scissors, curved, pointed/blunt, length 14.5 cm</td>
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<tr>
<td>15</td>
<td>794014 ROCHESTER-PEAN Artery Forceps</td>
</tr>
<tr>
<td>16</td>
<td>516013 Needle Holder, tungsten carbide inserts, length 13 cm</td>
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<tr>
<td>17</td>
<td>535012 HALSTEAD “Mosquito” Artery Forceps, straight</td>
</tr>
<tr>
<td>18</td>
<td>535212 Same, curved</td>
</tr>
<tr>
<td>19</td>
<td>6x 796000 BACKHAUS Towel Forceps, length 9 cm</td>
</tr>
<tr>
<td>20</td>
<td>227600 GUILFORD-WRIGHT Wire Cutter, length 10 cm</td>
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<tr>
<td>21</td>
<td>227800 SCHUKNECHT Wire Bending Die, length 12 cm</td>
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<tr>
<td>22</td>
<td>6x 223000 TEFLO® Instrument Guard, for micro instruments</td>
</tr>
<tr>
<td>23</td>
<td>122005 HARTMANN Ear Speculum, outer diameter 5 mm</td>
</tr>
<tr>
<td>24</td>
<td>122006 Same, outer diameter 6 mm</td>
</tr>
<tr>
<td>25</td>
<td>122007 Same, outer diameter 7.5 mm</td>
</tr>
<tr>
<td>26</td>
<td>221100 HARTMANN Ear Forceps, extra delicate</td>
</tr>
<tr>
<td>27</td>
<td>221200 FISCH Ear Forceps, extra delicate, pointed</td>
</tr>
<tr>
<td>28</td>
<td>161000 HARTMANN Ear Forceps, serrated, working length 8 cm</td>
</tr>
<tr>
<td>29</td>
<td>221409 WULLSTEIN Ear Forceps, oval cupped jaws, 0.9 mm</td>
</tr>
<tr>
<td>30</td>
<td>162020 HARTMANN Ear Forceps, round cupped jaws, diameter 2 mm</td>
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<tr>
<td>31</td>
<td>222600 BELLUCCI Scissors, delicate standard model</td>
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<tr>
<td>32</td>
<td>222800 HOUSE-DIETER Malleus Nipper</td>
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<tr>
<td>33</td>
<td>4x 227400 McGEE Wire Crimper</td>
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<tr>
<td>34</td>
<td>4x 204007 Suction Tube, angular, outer diameter 0.7 mm</td>
</tr>
<tr>
<td>35</td>
<td>4x 204010 Same, outer diameter 1 mm</td>
</tr>
<tr>
<td>36</td>
<td>4x 204013 Same, outer diameter 1.3 mm</td>
</tr>
<tr>
<td>37</td>
<td>4x 204015 Same, outer diameter 1.5 mm</td>
</tr>
<tr>
<td>38</td>
<td>4x 204020 Same, outer diameter 2 mm</td>
</tr>
<tr>
<td>39</td>
<td>204001 Suction Handle, with cut-off hole, length 10 cm</td>
</tr>
<tr>
<td>40</td>
<td>204405 PLESTER Suction Tube, 5 Fr.</td>
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<tr>
<td>41</td>
<td>204407 Same, 7 Fr.</td>
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<td>42</td>
<td>204409 Same, 9 Fr.</td>
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<tr>
<td>43</td>
<td>152301 Ear Hook, without ball end, size 1, length 15.5 cm</td>
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<tr>
<td>44</td>
<td>223803 Seeker, with ball end, angled 45°, size 3</td>
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<tr>
<td>45</td>
<td>153420 BUCK Ear Curette, sharp, size 00</td>
</tr>
<tr>
<td>46</td>
<td>153410 Same, size 0</td>
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<tr>
<td>47</td>
<td>224600 PLESTER Hook, length 15.5 cm</td>
</tr>
<tr>
<td>48</td>
<td>226600 FISCH Perforator</td>
</tr>
<tr>
<td>49</td>
<td>152301 PLESTER Round Knife, vertical</td>
</tr>
<tr>
<td>50</td>
<td>226820 Round Knife 45°, diameter 2 mm</td>
</tr>
<tr>
<td>51</td>
<td>223300 PLESTER Pick, 0.6 mm, length 16 cm</td>
</tr>
<tr>
<td>52</td>
<td>222620 PLESTER Pick, 0.8 mm, length 16 cm</td>
</tr>
<tr>
<td>53</td>
<td>225208 PLESTER Pick, 0.9 mm, length 16 cm</td>
</tr>
<tr>
<td>54</td>
<td>225101 PLESTER Pick, 1.0 mm, length 16 cm</td>
</tr>
<tr>
<td>55</td>
<td>222300 FISCH Pick, 1.1 mm, length 16 cm</td>
</tr>
<tr>
<td>56</td>
<td>225008 HARTMANN Hook, retrograde</td>
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<tr>
<td>57</td>
<td>225405 KLEY Footplate Knife</td>
</tr>
<tr>
<td>58</td>
<td>224802 Footplate Hook, 0.2 mm, length 16 cm</td>
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<tr>
<td>59</td>
<td>224400 PLESTER Footplate Hook, 0.6 mm, length 16 cm</td>
</tr>
<tr>
<td>60</td>
<td>225410 KLEY Footplate Knife</td>
</tr>
</tbody>
</table>

**Recommended Container Accessories (not illustrated)** see page 29
Ear Microsurgery

FISCH Special Instrument Set for Middle Ear Surgery, Tympanoplasty and Stapedotomy
Ear Microsurgery

FISCH Special Instrument Set for Middle Ear Surgery,
Tympanoplasty and Stapedotomy

1. 2x 220213 FISCH Retractor, 2 x 2 prongs, length 13 cm
2. 792003 MAYO Scissors, curved, length 15 cm
3. 535312 HALSTEAD “Mosquito” Artery Forceps, micro-model, curved, length 12.5 cm
4. 213410 FISCH Scissors, extra delicate, curved, sharp/sharp, length 10.5 cm
5. 206300 FISCH Suction and Irrigation Tube, conical, suction tube outer diameter 3.2 mm, irrigation tube outer diameter 2 mm, working length 9.5 cm
6. 206600 FISCH Suction and Irrigation Tube, cylindrical, suction tube outer diameter 2.5 mm, irrigation tube outer diameter 2 mm, working length 9.5 cm
7. 206700 FISCH Suction and Irrigation Tube, outer diameter suction tube 1.9 mm, irrigation tube outer diameter 1.9 mm
8. 208000 Surgical Handle, Fig. 3, length 12.5 cm
9. 211804 FISCH Dual Purpose Scalpel Handle, elevator on one side, scalpel handle no. 7 on the other side, length 16 cm
10. 224003 HOUSE Double Curette, medium
11. 214500 FISCH Forceps, fine, pointed, soft spring, length 11 cm
12. 793303 FISCH Forceps, 1 x 2 teeth, slender, soft spring, length 13 cm
13. 214000 FISCH Forceps, soft spring, length 15 cm
14. 213011 FISCH Raspatory, width 10 mm, length 16 cm
15. 477500 FREER Raspatory, curved, width 4 mm, length 16.5 cm
16. 204729 FISCH Suction Tube, outer diameter 1.2 mm
17. 204730 Same, outer diameter 1.5 mm
18. 204731 Same, outer diameter 2 mm
19. 204352 FISCH Suction Tube, angular, outer diameter 0.7 mm, working length 7 cm
20. 204354 Same, outer diameter 1 mm
21. 204250 FISCH Adaptor, with cut-off hole, LUER cone
22. 226101 FISCH Micro Raspatory, single curved to right, length 16 cm
23. 226102 Same, curved to left
24. 226810 Round Knife 45°, diameter 1 mm, length 16 cm
25. 226301 FISCH Tenotome, extra fine, length 16 cm
26. 225405 Pick, 45°, size 0.5 mm, length 16 cm
27. 225410 Same, size 1 mm
28. 225415 Same, size 1.5 mm
29. 225205 Pick, 90°, size 0.5 mm, length 16 cm
30. 225210 Same, size 1 mm
31. 225215 Same, size 1.5 mm
32. 225220 Same, size 2 mm
33. 226600 FISCH Manual Perforator, diameter 0.3 mm, length 16 cm
34. 226604 Same, diameter 0.4 mm
35. 226605 Same, diameter 0.5 mm
36. 226606 Same, diameter 0.6 mm
37. 224812 FISCH Footplate Hook, curved upwards 90°
38. 224813 Same, curved downwards 90°
39. 226514 FISCH Measuring Caliper, angular, diameter 0.4 mm, length 16 cm
40. 226516 Same, diameter 0.6 mm
41. 226500 FISCH Measuring Rod, length 16 cm
42. 221409 WULLSTEIN Ear Forceps, extra delicate, oval cupped jaws, 0.9 mm, working length 8 cm
43. 221406 Same, 0.6 mm
44. 162020 HARTMANN Ear Forceps, round cupped jaws, diameter 2 mm
45. 221100 HARTMANN Ear Forceps, extra delicate, serrated, working length 8 cm
46. 221201 Same, 0.4 x 3.5 mm, working length 8 cm
47. 221110 FISCH-HARTMANN Ear Forceps, extra delicate, smooth, 1 x 4.5 mm, working length 8 cm
48. 222606 FISCH-BELLUCCI Micro Scissors, extra delicate scissor blades, with thin sheath, cutting length 3 mm, working length 8 cm
49. 222603 FISCH-BELLUCCI Micro Scissors, extra delicate scissor blades, cutting length 3 mm, working length 8 cm
50. 222501 FISCH-BELLUCCI Scissors, extra fine, cutting length 7 mm, working length 8 cm
51. 222710 FISCH Cureotomy Scissors, curved to right, working length 7.5 cm
52. 222720 Same, curved to left
53. 222801 FISCH-DIETER Malleus Nipper, width 0.8 mm, working length 8 cm
54. 239728 Metal Tray, for 20 straight ear micro instruments with octagonal Handle, 275 x 175 x 36 mm (not illustrated)

Accessories recommended for containers (not illustrated):
39502 Z Wire Tray for Cleaning, Sterilization and Storage
39751 A2 Sterilization Container, with MicroStop®
39763 A2 Coding Label
39762 D2 Color Tab, blue
Further Accessories for Cleaning and Sterilization see HYGIENE catalog
Ear Microsurgery
DALCHOW Instrument Set for Pediatric Tympanoplasty
### Ear Microsurgery

**Dalchow Instrument Set for Pediatric Tympanoplasty**

<table>
<thead>
<tr>
<th>No.</th>
<th>Item Code</th>
<th>Item Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>219714 K</td>
<td>Dalchow Retractor, 3 x 3 prongs, sharp, with adjustable swivel arms, length 14 cm</td>
</tr>
<tr>
<td>2</td>
<td>220211 K</td>
<td>Dalchow Retractor, 2 x 2 prongs, length 11 cm</td>
</tr>
<tr>
<td>3</td>
<td>800503</td>
<td>Volkman Retractor, blunt, 3 prongs, length 21 cm</td>
</tr>
<tr>
<td>4</td>
<td>400500</td>
<td>Hartmann Nasal Speculum, length 13 cm</td>
</tr>
<tr>
<td>5</td>
<td>122005</td>
<td>Hartmann Ear Speculum, standard model, outer diameter 5 mm, length 3.6 cm</td>
</tr>
<tr>
<td>6</td>
<td>208000</td>
<td>Surgical Handle, Fig. 3, length 12.5 cm</td>
</tr>
<tr>
<td>7</td>
<td>496550</td>
<td>Surgical Handle, for miniature blades, round, length 16.5 cm</td>
</tr>
<tr>
<td>8</td>
<td>213008</td>
<td>Pletcher Raspatories, width 8 mm, length 18 cm</td>
</tr>
<tr>
<td>9</td>
<td>213011</td>
<td>Fisch Raspatories, width 10 mm, length 16 cm</td>
</tr>
<tr>
<td>10</td>
<td>477500</td>
<td>Freer Raspatories, curved, width 4 mm, length 16.5 cm</td>
</tr>
<tr>
<td>11</td>
<td>213500</td>
<td>Tissue Forceps, 1 x 2 teeth, length 11.5 cm</td>
</tr>
<tr>
<td>12</td>
<td>793401</td>
<td>Tissue Forceps, 1 x 2 teeth, standard width, length 14.5 cm</td>
</tr>
<tr>
<td>13</td>
<td>214500 F</td>
<td>Jeweler Forceps, fine, pointed, soft spring, length 11 cm</td>
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<tr>
<td>14</td>
<td>533012</td>
<td>Adson Dressing Forceps, serrated, length 12 cm</td>
</tr>
<tr>
<td>15</td>
<td>512511</td>
<td>Scissors, with tungsten carbide inserts, blunt/blunt, curved, length 11 cm</td>
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<tr>
<td>16</td>
<td>511010</td>
<td>Scissors, extra delicate, straight, length 10 cm</td>
</tr>
<tr>
<td>17</td>
<td>510410</td>
<td>Cottle Scissors, curved, length 10.5 cm</td>
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<tr>
<td>18</td>
<td>791202</td>
<td>Scissors, curved, sharp/blunt, length 14.5 cm</td>
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<td>19</td>
<td>535212</td>
<td>Halstead &quot;Mosquito&quot; Artery Forceps, curved, length 12.5 cm</td>
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<td>516015</td>
<td>Needle Holder, tungsten carbide inserts, length 15 cm</td>
</tr>
<tr>
<td>21</td>
<td>223100</td>
<td>Pletcher Round Knife, vertical, standard size 3.5 x 2.5 mm, length 16 cm</td>
</tr>
<tr>
<td>22</td>
<td>226810</td>
<td>Round Knife 45°, diameter 1 mm, length 16 cm</td>
</tr>
<tr>
<td>23</td>
<td>226101</td>
<td>Fisch Micro Raspatories, single curved to right, length 16 cm</td>
</tr>
<tr>
<td>24</td>
<td>226102</td>
<td>Same, left</td>
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<tr>
<td>25</td>
<td>223300</td>
<td>Pletcher Sickle Knife, double-edged, standard model, slightly curved, length 16 cm</td>
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<tr>
<td>26</td>
<td>223302</td>
<td>Pletcher Sickle Knife, double-edged, medium curve, length 16 cm</td>
</tr>
<tr>
<td>27</td>
<td>225204</td>
<td>Pick, 90°, size 0.4 mm, length 16 cm</td>
</tr>
<tr>
<td>28</td>
<td>225206</td>
<td>Same, size 0.6 mm</td>
</tr>
<tr>
<td>29</td>
<td>225208</td>
<td>Same, size 0.8 mm</td>
</tr>
<tr>
<td>30</td>
<td>222610</td>
<td>Same, size 1 mm</td>
</tr>
<tr>
<td>31</td>
<td>521114</td>
<td>Myrtle Leaf Probe, diameter 1.5 mm, length 14.5 cm</td>
</tr>
<tr>
<td>32</td>
<td>221201</td>
<td>Fisch Ear Forceps, dismantling, extra delicate, serrated, 0.4 x 3.5 mm, working length 8 cm</td>
</tr>
<tr>
<td>33</td>
<td>221200</td>
<td>Same, pointed, 1 x 4.5 mm</td>
</tr>
<tr>
<td>34</td>
<td>221100</td>
<td>Hartmann Ear Forceps, dismantling, extra delicate, serrated, working length 8 cm</td>
</tr>
<tr>
<td>35</td>
<td>222600</td>
<td>Bellucci Scissors, dismantling, delicate standard model, blade length 8 mm, working length 8 cm</td>
</tr>
<tr>
<td>36</td>
<td>222801</td>
<td>Fisch-Dieter Malleus Nipper, dismantling, extra delicate, upbiting, width 0.8 mm, working length 8 cm</td>
</tr>
<tr>
<td>37</td>
<td>221406</td>
<td>Wullstein Ear Forceps, dismantling, extra delicate, oval cupped jaws, 0.6 mm, working length 8 cm</td>
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<tr>
<td>38</td>
<td>221409</td>
<td>Same, 0.9 mm</td>
</tr>
<tr>
<td>39</td>
<td>844116</td>
<td>Bipolar Coagulation Forceps, insulated, bayonet-shaped, pointed, length 16 cm</td>
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<tr>
<td>40</td>
<td>844219</td>
<td>Bipolar Coagulation Forceps, insulated, bayonet-shaped, blunt, width of tip 1 mm, length 19 cm</td>
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<tr>
<td>41</td>
<td>847000 E</td>
<td>Bipolar High Frequency Cord, length 300 cm (not illustrated)</td>
</tr>
<tr>
<td>42</td>
<td>231008</td>
<td>Preparation Plate, glass, 10 x 8 cm</td>
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</tbody>
</table>

**Accessories recommended for containers (not illustrated):**

- Wire Tray for Cleaning, Sterilization and Storage
- Sterilization Container, with MicroStop®
- Coding Label
- Color Tab, blue

Further Accessories for Cleaning and Sterilization see HYGIENE catalog
Ear Microsurgery
LENARZ Supplementary Instruments for Cochlear Implantation
### Ear Microsurgery

**LENARZ Supplementary Instruments for Cochlear Implantation**

<table>
<thead>
<tr>
<th>No.</th>
<th>Code</th>
<th>Description</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>208000</td>
<td>Surgical Handle, Fig. 3, length 12.5 cm</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>220211</td>
<td>PLESTER Retractor, 2 x 2 prongs, length 11 cm</td>
<td></td>
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<tr>
<td>3</td>
<td>219511</td>
<td>WULLSTEIN Retractor, 3 x 3 prongs, length 11 cm</td>
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<tr>
<td>4</td>
<td>2x 214920</td>
<td>ANDERSON-ADSON Retractor, 4 x 4 prongs, sharp, curved, length 20 cm</td>
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<tr>
<td>5</td>
<td>204405</td>
<td>PLESTER Suction Tube, with grip plate, cut-off hole and stylet, LUER, 5 Fr., length 18 cm</td>
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<td>204407</td>
<td>Same, 7 Fr.</td>
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<td>204409</td>
<td>Same, 9 Fr.</td>
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<td>2x 204000</td>
<td>Suction Tube, angular, LUER-Lock, outer diameter 0.5 mm, working length 6 cm</td>
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<td>PLESTER Suction Tube, with cut-off hole, LUER cone, length 10 cm</td>
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<td>Octagonal Handle, with LUER cone, straight, length 17 cm</td>
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<tr>
<td>11</td>
<td>262550</td>
<td>Diamond Burr, barrel-shaped, diameter 5 mm, length 10 mm, for creating a flat bone edge during</td>
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<tr>
<td></td>
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<td>cochlea implantation surgery, blunt tip, with smooth shaft diameter 2.35 mm, length 44 mm</td>
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<td>Diamond Burr, shaft diameter 2.35 mm, diameter 0.6 mm, length 70 mm</td>
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<td>262510</td>
<td>Same, diameter 1 mm</td>
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<td>Same, diameter 1.4 mm</td>
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<td>223891</td>
<td>Seeker, extra delicate, angled 25°, with ball end diameter 1 mm, length 16 cm</td>
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<td>223892</td>
<td>Same, with ball end diameter 1.5 mm</td>
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<td>233212</td>
<td>Forceps, dismantling, for insertion of cochlea electrodes, nucleus 24 contour, curved to left,</td>
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<td></td>
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<td>working length 6 cm</td>
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<tr>
<td>18</td>
<td>233211</td>
<td>Same, curved to right</td>
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<td>233105</td>
<td>Micro Instrument Guide, for electrodes array, claw-shaped, tip angled upwards, length 16 cm</td>
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<td>233106</td>
<td>Same, tip angled downwards</td>
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<td>224802</td>
<td>Footplate Hook, 0.2 mm, length 16 cm</td>
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<td>224806</td>
<td>PLESTER Footplate Hook, 0.6 mm, length 16 cm</td>
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<tr>
<td>23</td>
<td>28164 KLE*</td>
<td>Spoon Curette, distally angled 45°, distal width 0.9 mm, working length 13 cm</td>
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<tr>
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<td>28164 KKE*</td>
<td>Spoon Curette, distally angled 45°, distal width 0.9 mm, working length 10 cm</td>
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<tr>
<td>25</td>
<td>28164 TKE*</td>
<td>Round Knife, distally angled 45°, distal diameter 2 mm, working length 10 cm</td>
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<tr>
<td>26</td>
<td>28164 TKB*</td>
<td>Round Knife, distally angled 45°, distal diameter 1 mm, working length 10 cm</td>
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<tr>
<td>27</td>
<td>28164 KLB*</td>
<td>Spoon Curette, distally angled 45°, distal width 1.3 mm, working length 13 cm</td>
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<tr>
<td>28</td>
<td>226111</td>
<td>CRABTREE Dissector, 90°, flat, distal width 0.5 mm, distal length 1.5 mm, length 16 cm</td>
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<td>29</td>
<td>226112</td>
<td>Same, distal length 2.5 mm</td>
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<td>30</td>
<td>39502 ZH</td>
<td>Wire Tray for Cleaning, Sterilization and Storage</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>39740 A2</td>
<td>Sterilization Container, with MicroStop®</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>39762 D2</td>
<td>Coding Label</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>39763 A2</td>
<td>Color Tab, blue</td>
<td></td>
</tr>
</tbody>
</table>

**Recommended Accessories for Containers (not illustrated):**

- **39502 ZH**  | Wire Tray for Cleaning, Sterilization and Storage
- **39740 A2** | Sterilization Container, with MicroStop®
- **39763 A2** | Coding Label
- **39762 D2** | Color Tab, blue

**Further Accessories for Cleaning and Sterilization** see HYGIENE catalog

* Currently not available on CE markets.
213111 Scissors, angled, very delicate, sharp/sharp, length 11 cm
213200 Scissors, curved, sharp/blunt, length 12 cm
213314 WULLSTEIN Scissors, curved, sharp/sharp, length 14 cm
213410 FISCH Scissors, extra delicate, curved, sharp/sharp, length 10.5 cm
213411 FISCH Scissors, fine, curved, sharp/sharp, length 10.5 cm
Ear Microsurgery

**Forceps**

- **213500** Tissue Forceps, 1 x 2 teeth, length 11.5 cm
- **214000** WULLSTEIN Forceps, serrated, length 15 cm
- **214000 F** Same, soft spring-action
- **214200** WULLSTEIN Forceps, 1 x 2 teeth, length 15 cm
- **214500** Jeweler Forceps, fine, pointed, length 11 cm
- **214500 F** Same, soft spring-action
- **214600** DERLACKI Ossicle Holding Clamp, length 12 cm
Ear Microsurgery

Raspatories, Elevator

169009  JANSEN Raspatory, width 9 mm, length 19.5 cm
169014  Same, width 14 mm
169018  LANGENBECK Raspatory, width 18 mm, length 19 cm
169206  Raspatory, ERLANGEN model, slightly curved, width 6 mm, length 17.5 cm
169311  FARABEUF Raspatory, width 11 mm, length 18 cm
169506  WILLIGER Elevator, width 5 mm, length 16 cm
Ear Microsurgery
Mastoid Gouges, Mastoid Chisels

170503    TRAUTMANN Mastoid Gouge, width 3 mm, length 14 cm
170505    Same, width 5 mm
170507    Same, width 7 mm
170509    Same, width 9 mm
170602    TRAUTMANN Mastoid Chisel, width 2 mm, length 14 cm
170603    Same, width 3 mm
170605    Same, width 5 mm
170607    Same, width 7 mm
Ear Microsurgery
Metal Mallets, Mastoid Curettes

174200  COTTLE Metal Mallet, length 18 cm
174700  Metal Mallet, with plastic replacement head, small, lightweight model, length 18 cm
174800  Metal Mallet, with plastic replacement head, length 22.5 cm

175840  SPRATT Mastoid Curette, size 0000, length 16.5 cm
175820  Same, size 00
175810  Same, size 0
175801  SPRATT Mastoid Curette, size 1, length 16.5 cm
175802  Same, size 2
175803  Same, size 3
175804  Same, size 4
176040  LEMPERT Mastoid Curette, size 0000, length 21 cm
176030  Same, size 000
176010  Same, size 0

Note:
Additional information on further metal mallets and mastoid curette sizes is available from KARL STORZ on request.
Components/Spare Parts see ENT catalog
**Ear Microsurgery**

**Raspatories, Rasp**

- **211804** FISCH Dual Purpose Scalpel Handle, elevator on one side, scalpel handle no. 7 on the other side, length 16 cm
- **212000** WULLSTEIN Raspatory, length 18 cm
- **212803** LEMPERT Raspatory, width 3 mm, length 19 cm
- **212807** LEMPERT Raspatory, curved, width 7 mm, length 18 cm
- **213005** FISCH Dura Elevator, width 5 mm, length 16 cm
- **213008** PLESTER Raspatory, width 8 mm, length 18 cm
- **213011** FISCH Raspatory, width 10 mm, length 16 cm
- **521410** RAUNIG Rasp, diamond coated, rasp blade 6 x 10 mm, length 16.5 cm

*Currently not available on CE markets.*
200400  BEYER Rongeur, slender, curved, length 17 cm
200600  LEMPERT Rongeur, slender, straight, length 15.5 cm
201000  JANSEN Rongeur, bayonet-shaped, length 17 cm
489044  LUER-RUSKIN Rongeur, with double joint, curved, 2 mm, length 15 cm
Ear Microsurgery
Retractor, Valves

Special Features:
● Movable blades provide optimal retraction of the operative field, even under difficult anatomical conditions
● Exchangeable blades (2-prong/3-prong/full blade) enable individual adjustment of the retractor to the OR setup

- 5 different blades available
- One retractor replaces many different models
- Low blade replacement costs

219550  OTT Retractor, length 13 cm, for use with adjustable, detachable valves
219552  Valve, 2 prongs, 45°, blunt, for use with Retractor 219550
219553  Same, 3 prongs
219555  Valve, full blade, for use with Retractor 219550
219562  Valve, 2 prongs, 90°, blunt, for use with Retractor 219550
219563  Same, 3 prongs
**Retractors**

- **WEITLANER Retractor**, 2 x 3 prongs, blunt, length 11 cm
- **WEITLANER Retractor**, 3 x 4 prongs, sharp, length 13 cm
- **Same**, length 16 cm

- **WULLSTEIN Retractor**, 3 x 3 prongs, length 11 cm
- **Same**, length 13 cm
- **BELLUCCI Retractor**, 3 x 3 prongs, length 13 cm
- **DALCHOW Retractor**, small model for children, 3 x 3 prongs, sharp, with adjustable swivel arms, length 14 cm
Ear Microsurgery
Retractors, Dura Retractor, Glomus Retractor

214920 ANDERSON-ADSON Retractor, 4 x 4 prongs, sharp, curved, length 20 cm
219717 FISCH Retractor, articulated, 3 x 3 prongs, semisharp, length 17 cm
219717 B Same, sharp
219724 Retractor, articulated, 3 x 4 prongs, sharp, length 24 cm
219800 FISCH Dura Retractor, length 18 cm including:
Spatula, straight, length 12 cm
Spatula, straight, length 15 cm
Spatula, curved, length 15 cm
Spatula Attachment, for adjustment of spatulas
Wrench, for spatula attachment
219900 FISCH Glomus Retractor (infratemporal fossa retractor), size 21 x 16 cm including:
Retractor Blade, short
Retractor Blade, long
Retractor Blade, long and slim, with drill hole
Retractor Frame, without blades

* Currently not available on CE markets.
Components/Spare Parts see ENT catalog

* * *
Ear Microsurgery
Retractors

220211 – 220213
220411
220511

220421
220521

220211 PLESTER Retractor, 2 x 2 prongs, length 11 cm
220211 K DALCHOW Retractor, small model for children, 2 x 2 prongs, length 11 cm
220213 FISCH Retractor, 2 x 2 prongs, length 13 cm
220411 PLESTER Retractor, 2 prongs on right, left full blade, length 11 cm
220421 PLESTER-HELMS Retractor, 2 prongs on right, full blade on left, with atraumatic teeth, length 11 cm
220511 PLESTER Retractor, 2 prongs on left, full blade on right, length 11 cm
220521 PLESTER-HELMS Retractor, 2 prongs on left, full blade on right, with atraumatic teeth, length 11 cm
220700 WILLIGER Retractor, 4 prongs, sharp, length 13 cm
Ear Microsurgery

Suction Tubes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>203227</td>
<td>Suction Tube, angular, cylindrical, LUER, outer diameter 2.7 mm, working length 8 cm</td>
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<tr>
<td>203230</td>
<td>Same, outer diameter 3 mm</td>
</tr>
<tr>
<td>203320</td>
<td>Suction Tube, angular, with grip plate and cut-off hole, LUER, outer diameter 2 mm, working length 9 cm</td>
</tr>
<tr>
<td>203330</td>
<td>Same, outer diameter 3 mm</td>
</tr>
<tr>
<td>203335</td>
<td>Same, outer diameter 3.5 mm</td>
</tr>
<tr>
<td>203410</td>
<td>BARON Suction Tube, angular, with grip plate, cut-off hole and stylet, LUER-Lock, outer diameter 1 mm, working length 7.5 cm</td>
</tr>
<tr>
<td>203417</td>
<td>Same, outer diameter 1.7 mm</td>
</tr>
<tr>
<td>203423</td>
<td>Same, outer diameter 2.3 mm</td>
</tr>
<tr>
<td>203530</td>
<td>Suction Tube, angular, conical, LUER, with grip plate, outer diameter 3 mm, working length 11 cm</td>
</tr>
<tr>
<td>203535</td>
<td>Same, outer diameter 3.5 mm</td>
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<tr>
<td>203615</td>
<td>BARNES Suction Tube, with cut-off hole, LUER-Lock, outer diameter 1.5 mm, working length 5 cm</td>
</tr>
<tr>
<td>203617</td>
<td>Same, outer diameter 1.7 mm</td>
</tr>
<tr>
<td>203620</td>
<td>Same, outer diameter 2 mm</td>
</tr>
</tbody>
</table>

Further Suction Tubes see ENT catalog
**Suction Tubes**

**Further Suction Tubes** see ENT catalog

- **203710** Suction Tube, cylindrical, LUER, outer diameter 1 mm, working length 9 cm
- **203715** Same, outer diameter 1.5 mm
- **203720** Same, outer diameter 2 mm
- **203725 K** Suction Tube, cylindrical, LUER, outer diameter 2.5 mm, working length 7 cm
- **203725** Same, working length 11 cm
- **203730** Suction Tube, cylindrical, LUER, outer diameter 3 mm, working length 11 cm
- **203740** Same, outer diameter 4 mm
- **203750** Same, outer diameter 5 mm
Ear Microsurgery
Suction Tubes

- **203830**: Suction Tube, conical, LUER, outer diameter 3 mm, working length 11 cm
- **203835**: Same, outer diameter 3.5 mm
- **203835 L**: Suction Tube, conical, LUER-Lock, outer diameter 3.5 mm, working length 11 cm
- **203845**: Suction Tube, conical, LUER, outer diameter 4.5 mm, working length 13 cm
- **203930**: Suction Tube, malleable, LUER, outer diameter 3 mm, length 22.5 cm
- **203945**: Suction Tube, curved, conical, outer diameter 4.5 mm, length 20 cm
- **203960**: Suction Tube, curved, with olive, outer diameter 6 mm, length 19 cm

Further Suction Tubes see ENT catalog
Ear Microsurgery
Suction Tubes, Suction Tips

204405 – 204409

PLESTER Suction Tube, with grip plate, cut-off hole and stylet, Luer, 5 Fr., length 18 cm

204407
Same, 7 Fr.

204408
Same, 8 Fr.

204409
Same, 9 Fr.

204407 – 204409

204705 – 204712

Suction Tip, for 204700, outer diameter 0.5 mm, length 4 cm
Same, outer diameter 0.7 mm
Same, outer diameter 0.9 mm
Same, outer diameter 1.2 mm

FERGUSON Suction Tube, with cut-off hole and stylet, Luer, 6 Fr., working length 11 cm
Same, 8 Fr.
Same, 9 Fr.
Same, 10 Fr.
Same, 12 Fr.
Same, 15 Fr.

204500

WULLSTEIN Suction and Irrigation Tube, conical, silver, Luer, outer diameter 1 mm, length 13 cm

204615

Suction and Irrigation Tube, cylindrical, silver, Luer, outer diameter 1.5 mm, length 13 cm

204620

Suction and Irrigation Tube, cylindrical, silver, Luer, outer diameter 2 mm, length 15 cm

204700

ZÖLLNER Suction Tube, Luer-Lock, outer diameter 2.5 mm, length 13 cm

204806 – 204815

Further Suction Tubes see ENT catalog
Ear Microsurgery
Suction and Irrigation Tubes

206300 FISCH Suction and Irrigation Tube, conical, suction tube outer diameter 3.2 mm, irrigation tube outer diameter 2 mm, working length 9.5 cm

206400 FISCH Suction and Irrigation Tube, cylindrical, suction tube outer diameter 4.5 mm, irrigation tube outer diameter 2 mm, working length 9.5 cm

206500 Same, suction tube outer diameter 3 mm, irrigation tube outer diameter 2 mm

206600 Same, suction tube outer diameter 2.5 mm, irrigation tube outer diameter 2 mm

206800 Same, suction tube outer diameter 1.5 mm, irrigation tube outer diameter 1.5 mm

206900 Same, suction tube outer diameter 1 mm, irrigation tube outer diameter 1 mm

204729 FISCH Suction Tube, angular, with grip plate, outer diameter 1.2 mm, working length 9 cm

204730 Same, outer diameter 1.5 mm

204732 Same, outer diameter 2 mm

204733 Same, outer diameter 2.2 mm

Further Suction Tubes see ENT catalog
Ear Microsurgery
Suction Handles, Suction Tubes

204001 Suction Handle, with cut-off hole, Luer cone, length 10 cm, for use with Suction Tubes 204005 – 204025, 204305 – 204330

NEW 204001 L Suction Handle, with cut-off hole, Luer-Lock, length 10 cm, for use with Suction Tubes 204005 – 204025, 204305 – 204330

204004 WULLSTEIN Suction Handle, with cut-off hole, Luer cone, length 10 cm, for use with Suction Tubes 204005 – 204025, 204305 – 204330

204005 Suction Tube, angular, Luer-Lock, outer diameter 0.5 mm, working length 6 cm

204007 Same, outer diameter 0.7 mm
204008 Same, outer diameter 0.8 mm
204010 Same, outer diameter 1 mm
204013 Same, outer diameter 1.3 mm
204015 Same, outer diameter 1.5 mm
204020 Same, outer diameter 2 mm
204025 Same, outer diameter 2.5 mm

204200 FISCH Suction Handle, with cut-off hole, Luer cone, length 5.5 cm, for use with Suction Tubes 204005 – 204025, 204305 – 204330

204250 FISCH Suction Handle, with long thumb grip, cut-off hole diameter 1 mm, inner diameter 1.7 mm, Luer cone, length 5.5 cm, for use with Suction Tubes 204352 – 204354
Ear Microsurgery

Suction Tubes

204305 – 204330

204305  **Suction Tube**, straight, LUER-Lock, malleable, outer diameter 0.5 mm, length 10 cm
204307  Same, outer diameter 0.7 mm
204310  Same, outer diameter 1 mm
204313  Same, outer diameter 1.3 mm
204315  Same, outer diameter 1.5 mm
204320  Same, outer diameter 2 mm
204325  Same, outer diameter 2.5 mm
204330  Same, outer diameter 3 mm
204352  **Suction Tube**, angular, malleable, LUER-Lock, outer diameter 0.7 mm, working length 7 cm, for use with Handle 204250
204354  Same, outer diameter 1 mm
600019  **LUER Cone Connector**, male, rotating

*Further Suction Tubes* see ENT catalog
Ear Forceps, working lengths 8 cm and 12.5 cm, dismantling

221100  HARTMANN Ear Forceps, dismantling, extra delicate, serrated, 1 x 4.5 mm, working length 8 cm
221150  Same, working length 12.5 cm
221105  FISCH-HARTMANN Ear Forceps, dismantling, delicate, serrated, 1.2 x 8 mm, working length 8 cm
221110  FISCH-HARTMANN Ear Forceps, dismantling, extra delicate, smooth, 1 x 4.5 mm, working length 8 cm
221111  FISCH Ear Forceps, dismantling, extra delicate, smooth, 0.4 x 3.5 mm, working length 8 cm
221111 FN  Same, with antireflection coating
221112  Ear Forceps, dismantling, straight, with spring, smooth, 4 mm, working length 8 cm
221200  FISCH Ear Forceps, dismantling, extra delicate, pointed, serrated, 1 x 4.5 mm, working length 8 cm
221201  FISCH Ear Forceps, dismantling, extra delicate, serrated, 0.4 x 3.5 mm, working length 8 cm
221304  Ear Forceps, dismantling, extra delicate, serrated, curved to right, working length 8 cm
221305  Same, curved to left
221307  Same, curved upwards
Ear Microsurgery

Ear Forceps

Ear Forceps, working lengths 8 cm and 10 cm, with cleaning connector

![Image of ear forceps with cleaning connector]

- **221800** HEERMANN Ear Forceps, straight, with cleaning connector, working length 10 cm
- **222000** Same, extra delicate, working length 8 cm

Ear Forceps, working lengths 8 cm, 10 cm and 12.5 cm, dismantling

![Image of ear forceps for dismantling]

- **221406** WULLSTEIN Ear Forceps, dismantling, extra delicate, oval cupped jaws, 0.6 mm, working length 8 cm
- **221406 F** FISCH Ear Forceps, dismantling, extra delicate, oval cupped jaws, 0.6 mm, with thin sheath, working length 8 cm
- **221406 FN** Same, with antireflection coating
- **221409** WULLSTEIN Ear Forceps, dismantling, extra delicate, oval cupped jaws, 0.9 mm, working length 8 cm
- **221450** WULLSTEIN Ear Forceps, dismantling, extra delicate, round cupped jaws, diameter 1 mm, working length 12.5 cm
- **221454** FISCH Ear Forceps, dismantling, round cupped jaws, diameter 3 mm, working length 12.5 cm
- **221509** WULLSTEIN Ear Forceps, dismantling, extra delicate, oval cupped jaws, curved to right, 0.9 mm, working length 8 cm
- **221609** Same, curved to left
- **221709** Same, curved upwards
Scissors, working lengths 8 cm and 9 cm

- 222401 WULLSTEIN Scissors, delicate, straight, with cleaning connector, working length 9 cm
- 222402 Same, curved upwards
- 222403 Same, curved to left
- 222404 Same, curved to right
- 222405 WULLSTEIN Scissors, extra delicate, straight, with cleaning connector, working length 8 cm

Scissors and Micro Scissors, working length 8 cm, dismantling

- 222500 BELLUCCI Scissors, dismantling, cutting length 8 mm, working length 8 cm
- 222501 FISCH-BELLUCCI Scissors, dismantling, extra fine blade, cutting length 7 mm, working length 8 cm
- 222600 BELLUCCI Scissors, dismantling, delicate standard model, cutting length 8 mm, working length 8 cm
- 222601 FISCH-BELLUCCI Micro Ear Scissors, dismantling, beaked scissors blades, cutting length 7 mm, working length 8 cm
- 222602 HOUSE-BELLUCCI Scissors, dismantling, extra delicate, working length 8 cm
- 222604 R BELLUCCI Scissors, dismantling, delicate, curved to right, rounded, working length 8 cm
- 222605 L Same, curved to left
Ear Microsurgery  
Scissors, Micro Scissors

<table>
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<th>Item No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>222603</td>
<td>FISCH-BELLUCCI Micro Scissors, dismantling, extra delicate scissor blades, cutting length 3 mm, working length 8 cm</td>
</tr>
<tr>
<td>222606</td>
<td>Same, with thin shaft</td>
</tr>
<tr>
<td>222606 N</td>
<td>FISCH-BELLUCCI Micro Scissors, dismantling, extra delicate scissor blades, cutting length 3 mm, with antireflection coating, with thin shaft, working length 8 cm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>22250</td>
<td>BELLUCCI Scissors, dismantling, delicate, straight, working length 12.5 cm</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>222710</td>
<td>FISCH Scissors, dismantling, for crurotomy, curved to right, working length 7.5 cm</td>
</tr>
<tr>
<td>222720</td>
<td>Same, curved to left</td>
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</table>
Ear Microsurgery
Malleus Nippers, Instrument Guard

Malleus Nippers, working length 8 cm, dismantling

![Malleus Nipper diagram](image)

- **222800** HOUSE-DIETER Malleus Nipper, dismantling,
  upbiting, working length 8 cm
- **222900** Same, downbiting
- **222801** FISCH-DIETER Malleus Nipper, dismantling, extra
delicate, upbiting, width 0.8 mm, working length 8 cm

![Instrument Guard diagram](image)

- **223000** Instrument Guard, teflon, autoclavable,
  for micro forceps and micro scissors with
  working length 8 cm, length 11.5 cm
223100  PLESTER Round Knife, vertical, standard size 3.5 x 2.5 mm, length 16 cm
223101  Same, medium 4 x 2 mm
223102  Same, large 4.5 x 2.5 mm
223300*  PLESTER Sickle Knife, double-edged, standard model, slightly curved, length 16 cm
223302*  Same, medium curved
223303*  Same, strongly curved
223304*  Same, extra delicate, slightly curved
223400  KLEY Footplate Knife, length 16 cm
745700  SEIFFERT Salivary Duct Probe, silver, extra delicate, diameter 0.5 mm, length 18 cm

* Personalized color coding available on request see page 58 and ENDOWORLD® ENT 143
Order Matrix for Personalized Color-coded Instruments

The color-coded instruments are not only more efficient but also brighten up the day-to-day clinical routine:

Special Features:
- Color coding makes it easier for the OR nurse to pass the right instrument to the surgeon
- The personalized and thus unique color coding of the instruments avoids the risk of misidentification of the fine micro instruments

<table>
<thead>
<tr>
<th>Detailed View</th>
<th>Order No.</th>
<th>Description</th>
<th>Color Code</th>
<th>Qty / Color Rings*</th>
<th>Amount</th>
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<tbody>
<tr>
<td></td>
<td>223300</td>
<td>PLESTER Sickle Knife, double-edged, standard model, slightly curved, length 16 cm</td>
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<td></td>
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<tr>
<td></td>
<td>223302</td>
<td>Same, medium curved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>223303</td>
<td>Same, strongly curved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>223304</td>
<td>Same, extra delicate, slightly curved</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

* Max. of 3 rings possible/one color per instrument

Color Code
- YLW
- ORG
- WHT
- ROS
- PNK
- RED
- BLU
- GRN
- BLC
Ear Micro Surgery
Elevators, Dissectors, Mirrors, Seekers

223500  ROSEN Elevator, tip angled 15°, 12 mm long, width 1.5 mm, length 16 cm
223501  BEALES Elevator, curved, width 1.5 mm, length 16 cm
223502  HUGHES Elevator, curved, width 0.7 mm, length 16 cm
223510  HOUSE Elevator, tip angled 15°, 12 mm long, width 1 mm, length 16 cm
223530  BEHRBOHM Dissector, for dissection in the region of the paranasal sinuses, skull base and petrous bone, sharp, long flat spatula, tip angled 15°, with round handle, size 2 mm, length 17 cm
223535  BEHRBOHM Dissector, for dissection in the region of the paranasal sinuses, skull base and petrous bone, sharp, slightly curved spatula, straight, with round handle, size 3 mm, length 17 cm
223600  Tympanic Mirror, REGENSBURG model, stainless steel, diameter 3 mm, length 16 cm
223602  Micro Mirror, metal, stainless steel, diameter 5 mm, length 16 cm
223803  Seeker, with ball end, angled 45°, size 3, length 15.5 cm
223891  Seeker, extra delicate, angled 25°, with ball end diameter 1 mm, length 16 cm
226001  FISCH Micro Raspatory, double curved to right, length 16 cm
226002  Same, left
226101  FISCH Micro Raspatory, single curved to right, length 16 cm
226102  Same, left
226111  CRABTREE Dissector, 90°, flat, distal width 0.5 mm, distal length 1.5 mm, length 16 cm
226112  Same, distal length 2.5 mm
226301  FISCH Tenotome, sickle-shaped, extra delicate, length 16 cm
Ear Micro Surgery
Dissectors, Knives

226211 THOMASSIN Dissector, double-ended, distal tips with single curve to right or to left, length 18 cm
226212 THOMASSIN Dissector, double-ended, distal tips with double curve to right or to left, length 18 cm
226862 HOUSE Lancet Knife, triangular, rounded tip angled upwards 45°, size 2 x 3 mm, length 16 cm
226863 ROSEN Lancet Knife, triangular, rounded tip angled upwards 45°, size 3 x 3 mm, length 15.5 cm
226871 WHIRLY-BIRD Knife, sharp, strongly curved to right, size 1 x 5 mm, length 15 cm
226872 Same, strongly curved to left
226873 WHIRLY-BIRD Knife, sharp, slightly curved to right, size 0.75 x 5 mm, length 15 cm
226874 Same, slightly curved to left
226211 THOMASSIN Dissector, double-ended, distal tips with single curve to right or to left, length 18 cm
226212 Same, tips with double curve to right or left
226213 Same, tips angled 90° to right or left
Ear Micro Surgery
Double Curettes

224001  HOUSE Double Curette, large, spoon sizes 2 x 3.2 mm and 1.6 x 2.6 mm, length 15 cm
224002  Same, small, spoon sizes 1 x 1.6 mm and 1.3 x 2 mm
224003  HOUSE Double Curette, medium, spoon sizes 1 x 1.8 mm and 2 x 2.8 mm, length 15 cm
224004  NEW  HOUSE Double Curette, medium, spoon sizes 1 x 1.6 mm and 2 x 3.5 mm, length 18 cm
224005  HOUSE Double Curette, angular, extra small, spoon sizes 0.6 x 0.8 mm and 0.8 x 1 mm, length 17 cm
224011  HOUSE Double Curette, straight, extra large, spoon sizes 2.3 x 3.5 mm and 2.7 x 4.3 mm, length 15 cm
224015  HOUSE-BABIGHIAN Double Curette, toothed, extra large, spoon sizes 2.4 x 3.4 mm and 2.6 x 4 mm, length 16 cm
Ear Micro Surgery
Needles, Guiding Fork and Hooks

224301* WULLSTEIN Needle, strong long curve, length 16.5 cm
224302* Same, medium curve
224303* Same, slight curve
224304* Same, straight
224400* PLESTER Guiding Fork, length 15.5 cm
224600* PLESTER Hook, retrograde, 2 mm, length 15.5 cm, to abrade the underside of the tympanic membrane
224802* Footplate Hook, 0.2 mm, length 16 cm
224806* PLESTER Footplate Hook, 0.6 mm, length 16 cm
224812 FISCH Footplate Hook, tip angled upwards 90°, 0.2 mm, length 16 cm
224813 Same, tip angled downwards
225008 HEERMANN Hook, reinforced, retrograde, 0.8 mm, length 16 cm

225202 – 225250
Pick*, 90°, length 16 cm
225202 0.2 mm
225204 0.4 mm
225205 0.5 mm
225206 0.6 mm
225208 0.8 mm
225210 1.0 mm
225212 1.2 mm
225215 1.5 mm
225220 2.0 mm
225225 2.5 mm
225230 3.0 mm
225240 4.0 mm
225250 5.0 mm

225404 – 225425
Pick*, 45°, length 16 cm
225404 0.4 mm
225405 0.5 mm
225406 0.6 mm
225408 0.8 mm
225410 1.0 mm
225415 1.5 mm
225420 2.0 mm
225425 2.5 mm

* Personalized color coding available on request see pages 65-66 and ENDOWORLD® ENT 143
## Order Matrix for Personalized Color-coded Instruments

<table>
<thead>
<tr>
<th>Detailed View</th>
<th>Order No.</th>
<th>Description</th>
<th>Color Code</th>
<th>Qty / Color Rings*</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>224301</td>
<td><strong>WULLSTEIN Needle</strong>, strong long curve, length 16.5 cm</td>
<td>YLW</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>224302</td>
<td><strong>Same</strong>, medium curve</td>
<td>ROS</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>224303</td>
<td><strong>Same</strong>, slight curve</td>
<td>PNK</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>224304</td>
<td><strong>Same</strong>, straight</td>
<td>BLU</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>224400</td>
<td><strong>PLESTER Guiding Fork</strong>, length 15.5 cm</td>
<td>GRN</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>224600</td>
<td><strong>PLESTER Hook</strong>, retrograde, 2 mm, length 15.5 cm, to abrade the underside of the tympanic membrane</td>
<td>WHT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>224802</td>
<td><strong>Footplate Hook</strong>, 0.2 mm, length 16 cm</td>
<td>RED</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>224806</td>
<td><strong>PLESTER Footplate Hook</strong>, 0.6 mm, length 16 cm</td>
<td>BLC</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Max. of 3 rings possible/ one color per instrument

### Color Code

- YLW: Yellow
- ROS: Rose
- PNK: Pink
- BLU: Blue
- ORG: Orange
- WHT: White
- GRN: Green
- RED: Red
- BLC: Black

---

OTO 43

KARL STORZ — ENDSKOPES

5-18
## Order Matrix for Personalized Color-coded Instruments

<table>
<thead>
<tr>
<th>Detailed View</th>
<th>Order No.</th>
<th>Description</th>
<th>Color code</th>
<th>Qty / Color Rings*</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>225202</td>
<td>Pick, 90°, size 0.2 mm, length 16 cm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225204</td>
<td>Same, size 0.4 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225205</td>
<td>Same, size 0.5 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225206</td>
<td>Same, size 0.6 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225208</td>
<td>Same, size 0.8 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225210</td>
<td>Same, size 1 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225212</td>
<td>Same, size 1.2 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225215</td>
<td>Same, size 1.5 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225220</td>
<td>Same, size 2 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225225</td>
<td>Same, size 2.5 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225230</td>
<td>Same, size 3 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225240</td>
<td>Same, size 4 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225250</td>
<td>Same, size 5 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225404</td>
<td>Pick, 45°, size 0.4 mm, length 16 cm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225405</td>
<td>Same, size 0.5 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225406</td>
<td>Same, size 0.6 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225408</td>
<td>Same, size 0.8 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225410</td>
<td>Same, size 1 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225415</td>
<td>Same, size 1.5 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225420</td>
<td>Same, size 2 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225425</td>
<td>Same, size 2.5 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Max. of 3 rings possible/one color per instrument

### Color Code

- **YLW**: Yellow
- **ROS**: Red
- **BLU**: Blue
- **ORG**: Orange
- **PNK**: Pink
- **GRN**: Green
- **WHT**: White
- **BLC**: Black
Ear Micro Surgery

Measuring Rods, Protection Tube

226500  FISCH Measuring Rod, marker pins at 3, 4 and 5 mm, length 16 cm

226502  Measuring Rod, for stapes prosthesis, straight, marker pins at 3.5, 4 and 4.5 mm, length 16 cm

226514  FISCH Caliper, angled shaft, diameter 0.4 mm, marker pin at 10 mm, length 16 cm

226516  Same, diameter 0.6 mm

226540  HOUSE Caliper Strut, for 4 mm distance, marker pin at 4 mm, length 16 cm

226545  Same, for 4.5 mm distance, marker pin at 4.5 mm

226550  Same, for 5 mm distance, marker pin at 5 mm

225150  Protection Tube, metal, for straight ear micro instruments with octogonal handle, length 6 cm
Ear Micro Surgery
Perforators, Round Knives

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>226600</td>
<td>FISCH Manual Perforator, diameter 0.3 mm, length 16 cm</td>
<td>226810</td>
<td>Round Knife 45°, diameter 1 mm, length 16 cm</td>
</tr>
<tr>
<td>226604</td>
<td>Same, diameter 0.4 mm</td>
<td>226815</td>
<td>Same, diameter 1.5 mm</td>
</tr>
<tr>
<td>226605</td>
<td>Same, diameter 0.5 mm</td>
<td>226820</td>
<td>Same, diameter 2 mm</td>
</tr>
<tr>
<td>226606</td>
<td>Same, diameter 0.6 mm</td>
<td>226823</td>
<td>Same, diameter 2.3 mm</td>
</tr>
<tr>
<td>226607</td>
<td>Perforator, diameter 0.7 mm, length 16 cm</td>
<td>226825</td>
<td>Same, diameter 2.5 mm</td>
</tr>
<tr>
<td>226608</td>
<td>Same, diameter 0.8 mm</td>
<td>226830</td>
<td>Same, diameter 3 mm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>226835</td>
<td>Same, diameter 3.5 mm</td>
</tr>
<tr>
<td>226715</td>
<td>Round Knife 0°, straight, diameter 1.5 mm, length 16 cm</td>
<td>226910</td>
<td>Round Knife 90°, diameter 1 mm, length 16 cm</td>
</tr>
<tr>
<td>226720</td>
<td>Same, diameter 2 mm</td>
<td>226915</td>
<td>Same, diameter 1.5 mm</td>
</tr>
<tr>
<td>226723</td>
<td>Same, diameter 2.3 mm</td>
<td>226920</td>
<td>Same, diameter 2 mm</td>
</tr>
<tr>
<td>226725</td>
<td>Same, diameter 2.5 mm</td>
<td>226923</td>
<td>Same, diameter 2.3 mm</td>
</tr>
<tr>
<td>226730</td>
<td>Same, diameter 3 mm</td>
<td>226925</td>
<td>Same, diameter 2.5 mm</td>
</tr>
<tr>
<td>226753</td>
<td>Round Knife 25°, diameter 1 mm, length 16 cm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note:
Personalized color coding available on request see page 69 and ENDOWORLD® ENT 143
Further sizes for round knife with 25° see ENDOWORLD® ENT 143
## Order Matrix for Personalized
### Color-coded Instruments

<table>
<thead>
<tr>
<th>Detailed View</th>
<th>Order No.</th>
<th>Description</th>
<th>Color Code</th>
<th>Qty / Color Rings*</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>226600</td>
<td>FISCH Manual Perforator, diameter 0.3 mm, length 16 cm</td>
<td>YLW</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226604</td>
<td>Same, diameter 0.4 mm</td>
<td>ROS</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226605</td>
<td>Same, diameter 0.5 mm</td>
<td>ORG</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226606</td>
<td>Same, diameter 0.6 mm</td>
<td>PNK</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226607</td>
<td>Perforator, diameter 0.7 mm, length 16 cm</td>
<td>WHT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226608</td>
<td>Same, diameter 0.8 mm</td>
<td>GRN</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226715</td>
<td>Round Knife 0°, straight, diameter 1.5 mm, length 16 cm</td>
<td>YLW</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226720</td>
<td>Same, diameter 2 mm</td>
<td>ROS</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226723</td>
<td>Same, diameter 2.3 mm</td>
<td>ORG</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226725</td>
<td>Same, diameter 2.5 mm</td>
<td>PNK</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226730</td>
<td>Same, diameter 3 mm</td>
<td>WHT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226753</td>
<td>Round Knife 25°, dia. 1 mm, length 16 cm</td>
<td>YLW</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226810</td>
<td>Round Knife 45°, dia. 1 mm, length 16 cm</td>
<td>ROS</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226815</td>
<td>Same, diameter 1.5 mm</td>
<td>ORG</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226820</td>
<td>Same, diameter 2 mm</td>
<td>PNK</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226823</td>
<td>Same, diameter 2.3 mm</td>
<td>WHT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226825</td>
<td>Same, diameter 2.5 mm</td>
<td>GRN</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226830</td>
<td>Same, diameter 3 mm</td>
<td>YLW</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226835</td>
<td>Same, diameter 3.5 mm</td>
<td>ROS</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226910</td>
<td>Round Knife 90°, dia. 1 mm, length 16 cm</td>
<td>ORG</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226915</td>
<td>Same, diameter 1.5 mm</td>
<td>PNK</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226920</td>
<td>Same, diameter 2 mm</td>
<td>WHT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226923</td>
<td>Same, diameter 2.3 mm</td>
<td>GRN</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>226925</td>
<td>Same, diameter 2.5 mm</td>
<td>YLW</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Max. of 3 rings possible/one color per instrument

### Color Code
- YLW: Yellow
- ROS: Rose
- ORG: Orange
- PNK: Pink
- BLU: Blue
- WHT: White
- GRN: Green
- RED: Red
- BLC: Black
Ear Micro Surgery

Needle, Metal Tray

223930  **Needle**, bayonet-shaped, straight, length 18 cm
223999  **Metal Tray**, for the sterilization and storage of ear instruments, perforated, base with holder for 16 bayonet-shaped ear micro instruments, lid with silicone bridges, external dimensions (w x h x d): 250 x 240 x 40 mm

**Please note:** The instruments displayed are not included in the metal tray.
**Ear Micro Surgery**

**Wire Crimpers, Wire Cutter**

Wire Crimpers, working length 8 cm, dismantling

- **227400** McGEE **Wire Crimper, dismantling**, straight, working length 8 cm
- **227401** FISCH-McGEE **Wire Crimper, dismantling**, straight, working length 8 cm
- **227402** Same, curved to right
- **227403** Same, curved to left

Wire Cutter, working length 10 cm

- **227600** GUILFORD-WRIGHT **Wire Cutter**, serrated, length 10 cm
- **227800** SCHUKNECHT **Wire Bending Die**
- **227900** SHEA **Vein Press**, diameter 16 mm, length 13 cm
- **227920** **Vein Press**, LÜBECK model, diameter 38 mm
Ear Micro Surgery
Prosthesis and Accessories

231000  Hone, “ARKANSAS” oil stone, 
         wedge-shaped, 10 x 4 cm

231008  Preparation Plate, glass, 10 x 8 cm

231009  FISCH Glass Cutting Board, 
         with square millimeter gradations 
         (25 x 20 mm), 10 x 8 cm

231010  Cutting Block, plastic, white, 
         8 x 4 x 1 cm, autoclavable

231011  Cutting Block, Teflon, with grip plate, 
         20 x 15 x 1 cm
Ear Micro Surgery
Prostheses and Accessories

227504 FISCH Cutting Block, for cutting and preparing stapes prostheses of diameter 0.4 mm
227506 Same, for stapes prostheses of diameter 0.6 mm
227525 FISCH Cutting Block
227526 Holding Forceps, for holding FISCH stapes and total prostheses, length 13.5 cm
227527 Crimp Forceps, for FISCH total prostheses, length 10.5 cm
227528 Scissors, for FISCH total prostheses, length 11 cm
227530 Incus Holding Clamp, length 11 cm
227532 FISCH Micro Hook, 2.5 mm, 45°, length 16 cm, for insertion and placement of FISCH incus prosthesis
227534 Diamond Straight Shaft Burr, diameter 1.4 mm, length 7 cm
Ear Micro Surgery
Prostheses and Accessories

227510 FISCH Titanium Stapes Piston, short size, sterile, short distance between loop and cylinder, 7 mm x diameter 0.4 mm
227511 FISCH Titanium Stapes Piston, normal size, sterile, medium distance between loop and cylinder, 8.5 mm x diameter 0.4 mm
227512 FISCH Titanium Stapes Piston, long size, sterile, long distance between loop and cylinder, 10 mm x diameter 0.4 mm
227515 FISCH Titanium Incus Prosthesis, normal size, sterile, 3 mm x diameter 2 / 1.3 mm
227516 FISCH Titanium Incus Prosthesis, long size, sterile, 4 mm x diameter 2 / 1.3 mm
227517 FISCH Titanium Incus Prosthesis, extra long size, sterile, 5 mm x diameter 2 / 1.3 mm
227520 FISCH Titanium Total Prosthesis with Footplate, sterile, 10 mm x diameter 0.6 mm
227522 FISCH Titanium Neomalleus Prosthesis, sterile, 5 mm x diameter 1.1 mm

239728 F Metal Tray, for sterilization and storage of instruments, perforated, base with holders and silicone mat, lid with silicone bridges and handle, external dimensions (w x d x h) 275 x 178 x 36 mm including:
Base with Lid
Silicone Mat

Components/Spare Parts see ENT catalog
Special Features:
- Integrated light carrier allows optimal illumination of the surgical field
- Self-retaining design
- No additional retractors required
- Allows the operating surgeon to use both hands (simultaneous drilling and suctioning), e.g., for cochlear implantations
- Matt surface finish prevents disruptive reflections
- Can be completely dismantled for optimal cleaning and components can be replaced if damaged

233260 AL HAGR Retractor including:
- Fiber Optic Light Carrier
- Retractor Arms
- Retractor Blade
- Light Connector
- Fixation Wheel

OR images courtesy of: Al Hagr M.D., King Abdulaziz Hospital, Riyadh, Saudi Arabia
**LENARZ Recommended Set**

- **262506** Diamond Burr, shaft diameter 2.35 mm, diameter 0.6 mm, length 70 mm
- **262510** Same, diameter 1 mm
- **262514** Same, diameter 1.4 mm
- **262550** Diamond Burr, barrel-shaped, diameter 5 mm, length 10 mm, for creating a flat bone edge during cochlea implantation surgery, blunt tip, with smooth shaft diameter 2.35 mm, length 44 mm
- **233105** Micro Instrument Guide, for electrodes array, claw-shaped, tip angled upwards, length 16 cm
- **233106** Same, tip angled downwards
- **233211** Forceps, dismantling, for insertion of cochlea electrodes, nucleus 24 contour, curved to right, working length 6 cm
- **233212** Same, curved to left
LENARZ Retractor, 43 x 11 mm, slim and flat blade with integrated suction tube, length 21.5 cm

LENARZ Additional Instruments for Cochlear Implantation Surgery see pages 32-33
Motor Systems, see ENT catalog, chapter 8, UNITS AND ACCESSORIES, UNIDRIVE® S III ENT SCB
Endoscopic Middle Ear Surgery

There has been an increasing trend worldwide towards the use of the endoscope in middle ear surgery thanks to new advancements in instruments and enhanced visualization technologies. With angles ranging from 0° to 70°, the endoscope provides a much wider view of the middle ear than when using the microscope. The view through the microscope is limited by the narrowest segment of the ear canal and thus only a small part of the middle ear can be observed. The curved instruments included in the set facilitate access to previously unreachable anatomical structures and recesses. This favors a minimally invasive approach that lessens recovery time and reduces the risk of recurrence.

Endoscopic view of the middle ear with a view of the tympanum and the handle of malleus
Endoscopic Middle Ear Surgery

**HOPKINS® Telescopes**

Telescopes recommended for middle ear surgery

7220 AA

**HOPKINS® Straight Forward Telescope 0°,**
enlarged view, diameter 3 mm, length 14 cm, **autoclavable,** fiber optic light transmission incorporated, color code: green

7220 FA

**HOPKINS® Forward-Oblique Telescope 45°,**
enlarged view, diameter 3 mm, length 14 cm, **autoclavable,** fiber optic light transmission incorporated, color code: black

7220 BA

**HOPKINS® Forward-Oblique Telescope 30°,**
enlarged view, diameter 3 mm, length 14 cm, **autoclavable,** fiber optic light transmission incorporated, color code: red

7220 CA

**HOPKINS® Lateral Telescope 70°,** enlarged view, diameter 3 mm, length 14 cm, **autoclavable,** fiber optic light transmission incorporated, color code: yellow
Telescopes recommended for middle ear surgery

**HOPKINS® Straight Forward Telescope 0°**, enlarged view, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green

**HOPKINS® Forward-Oblique Telescope 45°**, enlarged view, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: black

Further Telescopes

**HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

**HOPKINS® Lateral Telescope 70°**, enlarged view, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: yellow
Endoscopic Middle Ear Surgery

Ear Hooks, Ear Dissectors, Curette

Special Features:
● The special design, including such features as strong angulation, facilitates access to previously unreachable or hard-to-reach anatomical structures and recesses

227201  Ear Hook, curved to right, working length 5.5 cm, total length 16 cm
227202  Same, curved to left
227203  Same, curved backwards
227206  Ear Dissector, curved to right, working length 5.5 cm, total length 16 cm
227207  Same, curved to left
227208  Same, curved backwards
227211  Curette, spoon-shaped, diameter 1 mm, length 16 cm
Endoscopic Middle Ear Surgery

Double Curettes, Round Knife

- **Curette**, double-ended, spoon-shaped tips diameter 1 mm and 1.5 mm, end position angled 90° to sheath, length 17 cm
- **THOMASSIN Dissector**, double-ended, distal tips with single curve to right or to left, length 18 cm
- **Same**, tips with double curve to right or left
- **Same**, tips angled 90° to right or left
- **HOUSE Double Curette**, medium, spoon sizes 1 x 1.8 mm and 2 x 2.8 mm, length 15 cm
- **HOUSE Double Curette**, medium, spoon sizes 1 x 1.6 mm and 2 x 3.5 mm, length 18 cm
- **Round Knife**, diameter 3 mm, with suction, easy to handle due rotating tube olive, length 19 cm
Endoscopic Middle Ear Surgery

Suction Tubes

Special Features:

- The slightly conical design of the suction tubes provides more stability. The letter “C” at the end of the order number facilitates instrument identification.

- Additional rotating adaptor for the suction tubes simplifies handling.

Further Suction Tubes see ENT catalog.
Endoscopic Middle Ear Surgery

Ear Forceps

Ear Forceps, working length 10 cm, dismantling

Special Features:
- Adding two centimeters to the working length makes the micro ear forceps a lot easier to handle

227251 Ear Forceps, dismantling, 45° curved right, extra delicate, oval cupped jaws, 0.6 mm, working length 10 cm

227252 Ear Forceps, dismantling, 45° curved left, extra delicate, oval cupped jaws, 0.6 mm, working length 10 cm

227253 Ear Forceps, dismantling, 45° curved upwards, extra delicate, oval cupped jaws, 0.6 mm, working length 10 cm

227255 Ear Forceps, dismantling, curved downwards, retrograde, extra delicate, oval cupped jaws, 0.9 mm, working length 10 cm
Racks and Containers

239222  Magnetic Instrument Rack, with protective lid and 2 magnetic strips, size 180 x 105 mm

239227  Magnetic Instrument Rack, large model, with 3 magnetic strips, size 200 x 200 x 60 mm
Racks and Containers

39780 A **MiniSet Container**, with MicroStop®, for sterilization and sterile storage, external dimensions (w x d x h): 310 x 189 x 70 mm, internal dimensions (w x d x h): 283 x 177 x 38 mm

including:

**Base**

**Lid**

**Microbiological Barrier**, with MicroStop®

39781 A **Same**, external dimensions (w x d x h): 310 x 189 x 90 mm, internal dimensions (w x d x h): 283 x 177 x 58 mm

239640 **Rack**, for approx. 8 micro ear forceps with ring handle, size 195 x 100 mm

239728 **Metal Tray**, for sterilization and storage of ear instruments, perforated, base with holder for 20 straight ear micro instruments with octagonal handle, lid with silicone bridges, external dimensions (w x d x h): 275 x 175 x 36 mm

239728 H **Same**, base with holder for 10 straight ear micro instruments with octagonal Handle type 223300, external dimensions (w x d x h): 178 x 135 x 37 mm

**Note:** Rack 239640 is not suitable for storage during sterilization and not for cleaning.

**Components/Spare Parts** see ENT catalog

**Further Accessories for MiniSet Containers** see HYGIENE catalog
Racks and Containers

39520 AK

39520 AK  **Rack**, provides safe storage of up to 6 KARL STORZ octagonal ear micro surgery instruments during cleaning and sterilization, with special guard for the instrument tips, for easy instrument assistance during surgery, with detachable lid, external dimensions (w x d x h): 215 x 95 x 40 mm

39520 A

39520 A  **Rack**, provides safe storage of up to 18 KARL STORZ octagonal ear micro surgery instruments during cleaning and sterilization, with special guard for the instrument tips, for easy instrument assistance during surgery, with detachable lid, external dimensions (w x d x h): 230 x 200 x 40 mm (compatible with standard trays)
Motor Systems

MOTOR SYSTEMS

UNIDRIVE® SIII ENT SCB
UNIDRIVE® SIII ECO
High-Performance EC Micro Motor II
High-Speed Micro Motor
DRILLCUT-X® II Shaver Handpiece
DRILLCUT-X® II N Shaver Handpiece
DRILLCUT-X® II-35 Shaver Handpiece
DRILLCUT-X® II-35 N Shaver Handpiece
Shaver Blades
Sinus Burrs
INTRA Drill Handpieces
Burrs
High-Speed Handpieces
High-Speed Burrs
Important Notes:

It is recommended to check the suitability of the product for the intended procedure prior to use.

Endoscopes and accessories contained in this catalog have been designed in part with the cooperation of physicians and are manufactured by the KARL STORZ group. If subcontractors are hired to manufacture individual components, these are made according to proprietary KARL STORZ plans or drawings. Furthermore, these products are subject to strict quality and control guidelines of the KARL STORZ group. Both contractual and general legal provisions prohibit subcontractors from supplying components manufactured by order of KARL STORZ to competitors.

Any assumptions that competitors’ endoscopes and accessories are acquired from the same suppliers as the KARL STORZ products are not correct. Moreover, endoscopes and instruments provided by competitors are not manufactured according to the design specifications of KARL STORZ. This means it cannot be assumed that these endoscopes and accessories – even if they look identical on the outside – are constructed in the same manner and have been tested according to the same criteria.

Standardized Design and Labeling

KARL STORZ participates both in national and international bodies involved in the development of standards for endoscopes and endoscopic accessories. Standardized design and development therefore have long been implemented consistently by KARL STORZ. The user can rest assured that all products by the KARL STORZ group have been designed and constructed not only in compliance with strict internal quality guidelines, but also with international standards. All data relevant for safe use, such as viewing direction, sizes and diameters, or notes regarding sterilization of telescopes, are applied to the instruments, have been formulated according to international standards, and therefore provide reliable information.

As we constantly seek to improve and modify our products, we reserve the right to make changes in design that vary from catalog descriptions.

Original or Counterfeit

KARL STORZ products are name brand articles renowned around the world and represent the state of the art in important areas of healthcare. A large number of “copy cat” products are currently being offered in many markets. These products are designed intentionally to resemble KARL STORZ products and use marketing strategies that at least point out their compatibility with KARL STORZ products. These products are by no means genuine products, since genuine KARL STORZ products are sold worldwide exclusively under the name of KARL STORZ, which appears on the packaging and the product. In the absence of such labeling, the product is not from KARL STORZ.

KARL STORZ, therefore, is unable to ensure that such products are actually compatible with genuine KARL STORZ products or can be used with them without injury to the patient.
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www.karlstorz.com