Not all the products listed in this document are certified according to Regulation 2017/745/EU.
For this reason, some products requiring certification under this regulation may not be available in these countries.
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
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

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

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
Otoscropy
with HOPKINS® Telescopes

Diameter 3 mm, length 6 cm

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

- **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

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

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

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
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 DF  Same, with fast screw thread

11301 DG  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
Otoscopy

USB Video Otoscope

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

Components/Spare Parts see ENT catalog

Please note: Laptops are not included in delivery.

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

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

121210 K

121204

121210 K
Otoscopes
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

121200 M
CMOS Video Otoscope with Monitor, with integrated LED illumination including:
Ear Speculum, package of 100
C-MAC® Monitor for CMOS Endoscopes, set

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

Accessories:
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

1. 208000 Surgical Handle, Fig. 3, length 12.5 cm
2. 208015 Blade, Fig. 15, unsterile, for single use, package of 100
3. 208011 Blade, Fig. 11, Fig. 15, unsterile, for single use, package of 100 (not illustrated)
4. 511210 Scissors, extra delicate, curved, length 10 cm
5. 511414 JOSEPH Scissors, curved, length 14 cm
6. 513410 COTTLE Scissors, curved, length 10.5 cm
7. 791202 Scissors, curved, sharp/blunt, length 14.5 cm
8. 530910 Tissue Forceps, delicate, straight, 1 x 2 teeth, length 10 cm
9. 530811 Tissue Forceps, 7 x 8 fine teeth, length 11 cm
10. 792402 Dressing Forceps, medium, length 14.5 cm
11. 793402 Tissue Forceps, 1 x 2 teeth, medium, length 14.5 cm
12. 151011 Cotton Applicator, standard model, triangular serrated, diameter 1.1 mm, working length 13 cm
13. 493000 COTTLE Nasal Knife, rounded edge, length 14 cm
14. 474000 FREER Elevator, double-ended, semisharp and blunt, length 20 cm
15. 474200 FREER-JOSEPH Elevator, double-ended, slender, semisharp and sharp, length 20 cm
16. 477500 FREER Raspatory, curved, width 4 mm, length 18 cm
17. 499101 Hook, one prong, large curve, length 16.5 cm
18. 499205 JOSEPH Hook, two prongs, sharp, width 5 mm, length 15 cm
19. 786202 Retractor, blunt, 2 prongs, length 17 cm
20. 810802 Medicine Cup, 25 cm³, diameter 60 mm, height 28 mm
21. 204810 FERGUSON Suction Tube, with cut-off hole and styllet, Luer, 10 Fr., working length 11 cm
22. 204808 Same, 8 Fr.
23. 6x 535212 HALSTEAD “Mosquito” Artery Forceps, curved, length 12.5 cm
24. 537014 Dissecting Forceps, straight, without ratchet, length 14 cm
25. 790414 ROCHESTER-PEAN Artery Forceps, straight, length 14 cm
26. 6x 796011 BACKHAUS Towel Forceps, length 11 cm
27. 516013 Needle Holder, tungsten carbide inserts, length 13 cm
28. 842116 Bipolar Coagulation Forceps, insulated, angled tip, tip 0.5 mm, length 16 cm
29. 847000 E Bipolar High Frequency Cord, length 300 cm (not illustrated)

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**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>122005</td>
<td>HARTMANN <em>Ear Speculum</em>, standard model, outer diameter 5 mm, length 3.6 cm</td>
</tr>
<tr>
<td>122006</td>
<td><em>Same</em>, outer diameter 6 mm</td>
</tr>
<tr>
<td>122007</td>
<td><em>Same</em>, outer diameter 7.5 mm</td>
</tr>
<tr>
<td>221100</td>
<td>HARTMANN <em>Ear Forceps, dismantling</em>, extra delicate, serrated, 1 x 4.5 mm, working length 8 cm</td>
</tr>
<tr>
<td>153301</td>
<td>BUCK <em>Ear Curette</em>, blunt, size 1, length 14.5 cm</td>
</tr>
<tr>
<td>223300</td>
<td>PLESTER <em>Sickle Knife</em>, double-edged, standard model, slightly curved, length 16 cm</td>
</tr>
<tr>
<td>224303</td>
<td>WULLSTEIN <em>Needle</em>, slight curve, length 16.5 cm</td>
</tr>
<tr>
<td>225208</td>
<td>Pick, 90°, size 0.8 mm, length 16 cm</td>
</tr>
<tr>
<td>204200</td>
<td>FISCH <em>Adaptor</em>, with cut-off hole, Luer cone, length 5.5 cm</td>
</tr>
<tr>
<td>204310</td>
<td><em>Suction Tube</em>, straight, Luer-Lock, malleable, outer diameter 1 mm, length 10 cm</td>
</tr>
<tr>
<td>204313</td>
<td><em>Same</em>, outer diameter 1.3 mm</td>
</tr>
<tr>
<td>204315</td>
<td><em>Same</em>, outer diameter 1.5 mm</td>
</tr>
<tr>
<td>204320</td>
<td><em>Same</em>, outer diameter 2 mm</td>
</tr>
<tr>
<td>230100</td>
<td>TUBINGEN <em>Ventilation Tube</em>, 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>
</tr>
</tbody>
</table>

**Optional:**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1218 AA</td>
<td>Tele-Otoscope, with HOPKINS® straight forward telescope 0°, diameter 3 mm, length 6 cm, autoclavable, fiber optic light transmission incorporated, color code: green</td>
</tr>
</tbody>
</table>

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

- 39502 MB **Wire Tray for MiniSet Container for Cleaning, Sterilization and Storage**
- 39781 A **MiniSet Container**, with MicroStop®
- 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 230110
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

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 4 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

SIEGLE Diagnostic Head, without magnification 119700

BRÜNINGS Diagnostic Head, with magnification, anastigmatic 119800

FRENZEL Operating Head, with wall detail, with magnification, anastigmatic 119900

Stainless Steel 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>
<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

**FARRIOR Ear Speculum**, round, size 1, outer diameter 4 mm, length 4.5 cm
- **Same**, size 2, outer diameter 5 mm
- **Same**, size 3, outer diameter 6 mm
- **Same**, size 4, outer diameter 7 mm
- **Same**, size 5, outer diameter 8 mm
- **Same**, size 6, outer diameter 9 mm
- **Same**, size 7, outer diameter 10 mm

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

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

Tuning Forks

<table>
<thead>
<tr>
<th>Part No</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>125300</td>
<td>Tuning Fork, C-128, with weights</td>
</tr>
<tr>
<td>125400</td>
<td>Same, C'-256, with weights</td>
</tr>
<tr>
<td>125500</td>
<td>Same, C'-512, without weights</td>
</tr>
<tr>
<td>125600</td>
<td>Same, C'-1024, without weights</td>
</tr>
<tr>
<td>125700</td>
<td>Same, C'-2048, without weights</td>
</tr>
<tr>
<td>125800</td>
<td>Same, C'-4096, without weights</td>
</tr>
<tr>
<td>125501</td>
<td>Tuning Fork, C'-512, without weights, with stand</td>
</tr>
<tr>
<td>125601</td>
<td>Tuning Fork, C'-1024, without weights, with stand</td>
</tr>
<tr>
<td>126000</td>
<td>Tuning Fork, A'-440, with stand</td>
</tr>
<tr>
<td>130000</td>
<td>BARANY Noise Apparatus, with ear olive</td>
</tr>
</tbody>
</table>

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

Nystagmus Spectacles

138905  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 1/2 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>152801</td>
<td>BILLEAU Ear Loop, size 1, length 16 cm</td>
</tr>
<tr>
<td>152802</td>
<td>Same, size 2</td>
</tr>
<tr>
<td>152803</td>
<td>Same, size 3</td>
</tr>
<tr>
<td>153010</td>
<td>WEBER-LOCH Ear Loop, size 0, length 14.5 cm</td>
</tr>
<tr>
<td>153001</td>
<td>Same, size 1</td>
</tr>
<tr>
<td>153002</td>
<td>Same, size 2</td>
</tr>
</tbody>
</table>
Instruments for Diagnosis and Therapy – Outer Ear

Ear Curettes

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**

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

HARTMANN Ear Forceps, dismantling, serrated, working length 8 cm

Ear Forceps, dismantling, duckbill, flat, serrated jaws, working length 8 cm

HARTMANN Ear Forceps, dismantling, round cupped jaws, diameter 2 mm, working length 8 cm

Same, diameter 2.5 mm

STRÜMPEL Ear Forceps, dismantling, working length 8 cm

HARTMANN Ear Forceps, dismantling, through-cutting, straight, working length 8 cm

KRAUSE Ear Snare, length 18 cm

Snare Wire, for Ear Snares 164100, package of 25
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Code</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>HARTMANN Nasal Speculum, length 13 cm</td>
<td>224001</td>
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<tr>
<td>2</td>
<td>PLESTER Raspotomy, width 8 mm</td>
<td>225008</td>
</tr>
<tr>
<td>3</td>
<td>LEMPERT Raspotomy, width 3 mm</td>
<td>225405</td>
</tr>
<tr>
<td>4</td>
<td>Tissue Forceps, 1 x 2 teeth, length 11.5 cm</td>
<td>223400</td>
</tr>
<tr>
<td>5</td>
<td>WULLSTEIN Forceps, serrated, length 15 cm</td>
<td>224802</td>
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<tr>
<td>6</td>
<td>Scissors, curved, sharp/blunt, length 12 cm</td>
<td>226600</td>
</tr>
<tr>
<td>7</td>
<td>PLESTER Retractor, 2 x 2 prongs</td>
<td>224400</td>
</tr>
<tr>
<td>8</td>
<td>Same, left side with full blade</td>
<td>225410</td>
</tr>
<tr>
<td>9</td>
<td>Same, right side with full blade</td>
<td>223100</td>
</tr>
<tr>
<td>10</td>
<td>WILLIGER Retractor, sharp</td>
<td>226820</td>
</tr>
<tr>
<td>11</td>
<td>Surgical Handle, Fig. 3, length 12.5 cm</td>
<td>223300</td>
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<tr>
<td>12</td>
<td>Blade, Fig. 15, unsterile</td>
<td>224303</td>
</tr>
<tr>
<td>13</td>
<td>Same, Fig. 11 (not illustrated)</td>
<td></td>
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<tr>
<td>14</td>
<td>Same, Fig. 10 (not illustrated)</td>
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<tr>
<td>15</td>
<td>HALSTEAD “Mosquito” Artery Forceps, straight</td>
<td>239900</td>
</tr>
<tr>
<td>16</td>
<td>Same, curved</td>
<td>239227</td>
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<tr>
<td>17</td>
<td>BACKHAUS Towel Forceps, length 9 cm</td>
<td>842216</td>
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<tr>
<td>18</td>
<td>SCHUKNECHT Wire Bending Die 9 cm</td>
<td>847000 E</td>
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<tr>
<td>19</td>
<td>TEFLOX Instrument Guard, for micro instruments</td>
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<tr>
<td>20</td>
<td>HARTMANN Ear Speculum, outer diameter 5 mm</td>
<td>280030</td>
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<tr>
<td>21</td>
<td>Same, outer diameter 6 mm</td>
<td>261000</td>
</tr>
<tr>
<td>22</td>
<td>Same, outer diameter 7.5 mm</td>
<td>265060</td>
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<tr>
<td>23</td>
<td>HARTMANN Ear Forceps, extra delicate</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>FISCH Ear Forceps, extra delicate, pointed</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>HARTMANN Ear Forceps, serrated, working length 8 cm</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>WULLSTEIN Ear Forceps, oval cupped jaws, 0.9 mm</td>
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<td>27</td>
<td>HARTMANN Ear Forceps, round cupped jaws, diameter 2 mm</td>
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</tr>
<tr>
<td>28</td>
<td>BELLUCCI Scissors, delicate standard model</td>
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</tr>
<tr>
<td>29</td>
<td>HOUSE-DIETER Malleus Nipper</td>
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</tr>
<tr>
<td>30</td>
<td>Scissors, curved, pointed/blunt, length 14.5 cm</td>
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<td>31</td>
<td>ROCHESTER-PEAN Artery Forceps</td>
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<tr>
<td>32</td>
<td>Needle Holder, tungsten carbide inserts, length 13 cm</td>
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<tr>
<td>33</td>
<td>HALSTEAD “Mosquito” Artery Forceps, straight</td>
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<tr>
<td>34</td>
<td>Same, curved</td>
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<tr>
<td>35</td>
<td>BACKHAUS Towel Forceps, length 9 cm</td>
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<tr>
<td>36</td>
<td>SCHUKNECHT Wire Bending Die 9 cm</td>
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<tr>
<td>37</td>
<td>TEFLOX Instrument Guard, for micro instruments</td>
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<td>38</td>
<td>HARTMANN Ear Speculum, outer diameter 5 mm</td>
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<td>Same, outer diameter 6 mm</td>
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<td>40</td>
<td>Same, outer diameter 7.5 mm</td>
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<td>41</td>
<td>HARTMANN Ear Forceps, extra delicate</td>
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<td>42</td>
<td>FISCH Ear Forceps, extra delicate, pointed</td>
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<tr>
<td>43</td>
<td>HARTMANN Ear Forceps, serrated, working length 8 cm</td>
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<tr>
<td>44</td>
<td>WULLSTEIN Ear Forceps, oval cupped jaws, 0.9 mm</td>
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<tr>
<td>45</td>
<td>HARTMANN Ear Forceps, round cupped jaws, diameter 2 mm</td>
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<td>46</td>
<td>BELLUCCI Scissors, delicate standard model</td>
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<td>47</td>
<td>HOUSE-DIETER Malleus Nipper</td>
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<td>48</td>
<td>Scissors, curved, pointed/blunt, length 14.5 cm</td>
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<td>49</td>
<td>ROCHESTER-PEAN Artery Forceps</td>
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<td>Needle Holder, tungsten carbide inserts, length 13 cm</td>
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<tr>
<td>51</td>
<td>HALSTEAD “Mosquito” Artery Forceps, straight</td>
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<tr>
<td>52</td>
<td>Same, curved</td>
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<tr>
<td>53</td>
<td>BACKHAUS Towel Forceps, length 9 cm</td>
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</tr>
<tr>
<td>54</td>
<td>SCHUKNECHT Wire Bending Die 9 cm</td>
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<tr>
<td>55</td>
<td>TEFLOX Instrument Guard, for micro instruments</td>
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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, 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

**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>Description</th>
<th>Model</th>
<th>Manufacturer</th>
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<tbody>
<tr>
<td>1</td>
<td>DALCHOW Retractor, 3 x 3 prongs, sharp, with adjustable swivel arms, length 14 cm</td>
<td>219714 K</td>
<td>DALCHOW</td>
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<tr>
<td>2</td>
<td>DALCHOW Retractor, 2 x 2 prongs, length 11 cm</td>
<td>220211 K</td>
<td>DALCHOW</td>
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<tr>
<td>3</td>
<td>VOLKMANN Retractor, blunt, 3 prongs, length 21 cm</td>
<td>800503</td>
<td>VOLKMANN</td>
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<tr>
<td>4</td>
<td>HARTMANN Nasal Speculum, length 13 cm</td>
<td>400500</td>
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<tr>
<td>5</td>
<td>HARTMANN Ear Speculum, standard model, outer diameter 5 mm, length 3.6 cm</td>
<td>122005</td>
<td>HARTMANN</td>
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<tr>
<td>6</td>
<td>Surgical Handle, Fig. 3, length 12.5 cm</td>
<td>208000</td>
<td>DALCHOW</td>
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<tr>
<td>7</td>
<td>Surgical Handle, for miniature blades, round, length 16.5 cm</td>
<td>496550</td>
<td>DALCHOW</td>
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<tr>
<td>8</td>
<td>PLESTER Raspatory, width 8 mm, length 18 cm</td>
<td>213008</td>
<td>PLESTER</td>
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<tr>
<td>9</td>
<td>FISCH Raspatory, width 10 mm, length 16 cm</td>
<td>213011</td>
<td>FISCH</td>
</tr>
<tr>
<td>10</td>
<td>FREER Raspatory, curved, width 4 mm, length 16.5 cm</td>
<td>477500</td>
<td>DALCHOW</td>
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<td>11</td>
<td>Tissue Forceps, 1 x 2 teeth, length 11.5 cm</td>
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<td>PLESTER</td>
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<tr>
<td>12</td>
<td>Tissue Forceps, 1 x 2 teeth, standard width, length 14.5 cm</td>
<td>793401</td>
<td>PLESTER</td>
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<tr>
<td>13</td>
<td>Bowl Forceps, fine, pointed, soft spring, length 11 cm</td>
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<td>FISCH</td>
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<td>14</td>
<td>ADSON Dressing Forceps, serrated, length 12 cm</td>
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<td>Scissors, with tungsten carbide inserts, blunt/blunt, curved, length 11 cm</td>
<td>512511</td>
<td>HARTMANN</td>
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<td>16</td>
<td>Scissors, extra delicate, straight, length 10 cm</td>
<td>511010</td>
<td>HARTMANN</td>
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<td>17</td>
<td>COTTLE Scissors, curved, length 10.5 cm</td>
<td>510410</td>
<td>HARTMANN</td>
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<tr>
<td>18</td>
<td>Scissors, curved, sharp/blunt, length 14.5 cm</td>
<td>791202</td>
<td>HARTMANN</td>
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<tr>
<td>19</td>
<td>HALSTEAD “Mosquito” Artery Forceps, curved, length 12.5 cm</td>
<td>535212</td>
<td>HALSTEAD</td>
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<td>20</td>
<td>Needle Holder, tungsten carbide inserts, length 15 cm</td>
<td>516015</td>
<td>HARTMANN</td>
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<tr>
<td>21</td>
<td>PLESTER Round Knife, vertical, standard size 3.5 x 2.5 mm, length 16 cm</td>
<td>223100</td>
<td>PLESTER</td>
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<td>22</td>
<td>Round Knife 45°, diameter 1 mm, length 16 cm</td>
<td>226810</td>
<td>PLESTER</td>
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<tr>
<td>23</td>
<td>FISCH Micro Raspatory, single curved to right, length 16 cm</td>
<td>226101</td>
<td>FISCH</td>
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<tr>
<td>24</td>
<td>Same, left</td>
<td>226102</td>
<td>FISCH</td>
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<tr>
<td>25</td>
<td>PLESTER Sickle Knife, double-edged, standard model, slightly curved, length 16 cm</td>
<td>223300</td>
<td>PLESTER</td>
</tr>
<tr>
<td>26</td>
<td>PLESTER Sickle Knife, double-edged, medium curve, length 16 cm</td>
<td>223302</td>
<td>PLESTER</td>
</tr>
<tr>
<td>27</td>
<td>Pick, 90°, size 0.4 mm, length 16 cm</td>
<td>225204</td>
<td>D进取</td>
</tr>
<tr>
<td>28</td>
<td>Same, size 0.6 mm</td>
<td>225206</td>
<td>D进取</td>
</tr>
<tr>
<td>29</td>
<td>Same, size 0.8 mm</td>
<td>225208</td>
<td>D进取</td>
</tr>
<tr>
<td>30</td>
<td>Same, size 1 mm</td>
<td>225210</td>
<td>D进取</td>
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<tr>
<td>31</td>
<td>Myrtle Leaf Probe, diameter 1.5 mm, length 14.5 cm</td>
<td>797114</td>
<td>D进取</td>
</tr>
<tr>
<td>32</td>
<td>FISCH Ear Forceps, dismantling, extra delicate, serrated, 0.4 x 3.5 mm, working length 8 cm</td>
<td>221201</td>
<td>FISCH</td>
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<tr>
<td>33</td>
<td>Same, pointed, 1 x 4.5 mm</td>
<td>221200</td>
<td>FISCH</td>
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<tr>
<td>34</td>
<td>HARTMANN Ear Forceps, dismantling, extra delicate, serrated, working length 8 cm</td>
<td>221100</td>
<td>HARTMANN</td>
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<tr>
<td>35</td>
<td>BELLUCCI Scissors, dismantling, delicate standard model, blade length 8 mm, working length 8 cm</td>
<td>222600</td>
<td>BELLUCCI</td>
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<tr>
<td>36</td>
<td>FISCH-DIETER Malleus Nipper, dismantling, extra delicate, upbiting, width 0.8 mm, working length 8 cm</td>
<td>222801</td>
<td>FISCH-DIETER</td>
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<tr>
<td>37</td>
<td>WULLSTEIN Ear Forceps, dismantling, extra delicate, oval cupped jaws, 0.6 mm, working length 8 cm</td>
<td>221406</td>
<td>WULLSTEIN</td>
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<tr>
<td>38</td>
<td>Same, 0.9 mm</td>
<td>221409</td>
<td>WULLSTEIN</td>
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<tr>
<td>39</td>
<td>Bipolar Coagulation Forceps, insulated, bayonet-shaped, pointed, length 16 cm</td>
<td>844116</td>
<td>FISCH</td>
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<tr>
<td>40</td>
<td>Bipolar Coagulation Forceps, insulated, bayonet-shaped, blunt, width of tip 1 mm, length 19 cm</td>
<td>844219</td>
<td>FISCH</td>
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<tr>
<td>41</td>
<td>Bipolar High Frequency Cord, length 300 cm (not illustrated)</td>
<td>847000 E</td>
<td>FISCH</td>
</tr>
<tr>
<td>42</td>
<td>Preparation Plate, glass, 10 x 8 cm</td>
<td>231008</td>
<td>DALCHOW</td>
</tr>
</tbody>
</table>

Accessories recommended for containers (not illustrated):
- 39502 Z Wire Tray for Cleaning, Sterilization and Storage
- 39750 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

**LENARZ Supplementary Instruments for Cochlear Implantation**

<table>
<thead>
<tr>
<th>No.</th>
<th>Ref.</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>
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<tr>
<td>2</td>
<td>220211</td>
<td>PLESTER Retractor, 2 x 2 prongs, length 11 cm</td>
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<td>219511</td>
<td>WULLSTEIN Retractor, 3 x 3 prongs, length 11 cm</td>
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<td>4</td>
<td>214920</td>
<td>ANDERSON-ADSON Retractor, 4 x 4 prongs, sharp, curved, length 20 cm</td>
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<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>7</td>
<td>204409</td>
<td>Same, 9 Fr.</td>
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<td>204005</td>
<td>Suction Tube, angular, LUER-Lock, outer diameter 0.5 mm, working length 6 cm</td>
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<td>204006</td>
<td>Same, outer diameter 0.7 mm</td>
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<td>204004</td>
<td>WULLSTEIN Suction Handle, with cut-off hole, LUER cone, length 10 cm</td>
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<td>11</td>
<td>233110</td>
<td>Octagonal Handle, with LUER cone, straight, length 17 cm</td>
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<td>12</td>
<td>262550</td>
<td>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</td>
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<td>262506</td>
<td>Diamond Burr, shaft diameter 2.35 mm, diameter 0.6 mm, length 70 mm</td>
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<td>262510</td>
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<td>262514</td>
<td>Same, diameter 1.4 mm</td>
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<td>16</td>
<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>18</td>
<td>233212</td>
<td>Forceps, dismantling, for insertion of cochlea electrodes, nucleus 24 contour, curved to left, working length 6 cm</td>
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<tr>
<td>19</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>22</td>
<td>224802</td>
<td>Footplate Hook, 0.2 mm, length 16 cm</td>
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<td>23</td>
<td>224806</td>
<td>PLESTER Footplate Hook, 0.6 mm, length 16 cm</td>
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<td>28164 KLE*</td>
<td>Spoon Curette, distally angled 45°, distal width 0.9 mm, working length 13 cm</td>
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<td>25</td>
<td>28164 KKE*</td>
<td>Spoon Curette, distally angled 45°, distal width 0.9 mm, working length 10 cm</td>
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<td>28164 TKE*</td>
<td>Round Knife, distally angled 45°, distal diameter 2 mm, working length 10 cm</td>
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<td>28164 TKB*</td>
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<td>28164 KLB*</td>
<td>Spoon Curette, distally angled 45°, distal width 1.3 mm, working length 13 cm</td>
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<td>28164 KKD*</td>
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<td>CRABTREE Dissector, 90°, flat, distal width 0.5 mm, distal length 1.5 mm, length 16 cm</td>
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<td>226112</td>
<td>Same, distal length 2.5 mm</td>
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<tr>
<td>32</td>
<td>801814</td>
<td>LENARZ Retractor, 43 x 11 mm, slim and flat blade with integrated suction tube, length 21.5 cm</td>
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<td>33</td>
<td>786500</td>
<td>SCHÖNBORN Thymus Retractor, width 5 mm, length 20.5 cm</td>
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<td>34</td>
<td>516015</td>
<td>Needle Holder, tungsten carbide inserts, length 15 cm</td>
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<td>35</td>
<td>536909</td>
<td>Dissecting and Ligature Forceps, straight, smooth jaws, length 9.5 cm</td>
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<td>36</td>
<td>474000</td>
<td>FREER Elevator, double-ended, semisharp and blunt, length 20 cm</td>
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<td>37</td>
<td>213008</td>
<td>PLESTER Raspatory, width 8 mm, length 18 cm</td>
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<td>38</td>
<td>662721</td>
<td>ALLIS Forceps, with fine teeth, length 20 cm</td>
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<td>39</td>
<td>214000</td>
<td>WULLSTEIN Forceps, serrated, length 15 cm</td>
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<td>40</td>
<td>792403</td>
<td>Dressing Forceps, narrow width, length 14.5 cm</td>
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<td>533212</td>
<td>ADSON-BROWN Tissue Forceps, atraumatic, fine side grasping teeth, length 12 cm</td>
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<td>42</td>
<td>844319</td>
<td>Bipolar Coagulation Forceps, insulated, bayonet-shaped, slender, tip 0.5 mm wide, length 19 cm</td>
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<tr>
<td>43</td>
<td>847000</td>
<td>Bipolar High Frequency Cord, length 300 cm (not illustrated)</td>
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<tr>
<td>44</td>
<td>231008</td>
<td>Preparation Plate, glass, 10 x 8 cm</td>
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</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

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* Currently not available on CE markets.
21311  **Scissors**, angled, very delicate, sharp/sharp, length 11 cm

21320  **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
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
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.
Ear Microsurgery
Rongeurs

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 LUE-RUSKIN Rongeur, with double joint, curved, 2 mm, length 15 cm
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 – 219563
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
<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>214811</td>
<td>WEITLANER Retractor, 2 x 3 prongs, blunt, length 11 cm</td>
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<tr>
<td>214813</td>
<td>WEITLANER Retractor, 3 x 4 prongs, sharp, length 13 cm</td>
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<tr>
<td>214816</td>
<td>Same, length 16 cm</td>
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<tr>
<td>219511</td>
<td>WULLSTEIN Retractor, 3 x 3 prongs, length 11 cm</td>
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<td>219513</td>
<td>Same, length 13 cm</td>
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<tr>
<td>219613</td>
<td>BELLUCCI Retractor, 3 x 3 prongs, length 13 cm</td>
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</tr>
<tr>
<td>219714 K</td>
<td>DALCHOW Retractor, small model for children, 3 x 3 prongs, sharp, with adjustable swivel arms, length 14 cm</td>
<td></td>
</tr>
</tbody>
</table>
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

Components/Spare Parts see ENT catalog

* Currently not available on CE markets.
**Ear Microsurgery**

**Retractors**

- 220211 – 220213
- 220411
- 220511
- 220421
- 220521
- 220700

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>220211</td>
<td>PLESTER Retractor, 2 x 2 prongs, length 11 cm</td>
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<tr>
<td>220211 K</td>
<td>DALCHOW Retractor, small model for children, 2 x 2 prongs, length 11 cm</td>
</tr>
<tr>
<td>220213</td>
<td>FISCH Retractor, 2 x 2 prongs, length 13 cm</td>
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<tr>
<td>220411</td>
<td>PLESTER Retractor, 2 prongs on right, left full blade, length 11 cm</td>
</tr>
<tr>
<td>220421</td>
<td>PLESTER-HELMS Retractor, 2 prongs on right, full blade on left, with atraumatic teeth, length 11 cm</td>
</tr>
<tr>
<td>220511</td>
<td>PLESTER Retractor, 2 prongs on left, full blade on right, length 11 cm</td>
</tr>
<tr>
<td>220521</td>
<td>PLESTER-HELMS Retractor, 2 prongs on left, full blade on right, with atraumatic teeth, length 11 cm</td>
</tr>
<tr>
<td>220700</td>
<td>WILLIGER Retractor, 4 prongs, sharp, length 13 cm</td>
</tr>
</tbody>
</table>
Ear Microsurgery
Suction Tubes

- **203227**: Suction Tube, angular, cylindrical, LUER, outer diameter 2.7 mm, working length 8 cm
- **203230**: Same, outer diameter 3 mm
- **203230**: Suction Tube, angular, with grip plate and cut-off hole, LUER, outer diameter 2 mm, working length 9 cm
- **203320**: Same, outer diameter 3 mm
- **203335**: Same, outer diameter 3.5 mm
- **203410**: BARON Suction Tube, angular, with grip plate, cut-off hole and stylet, LUER-Lock, outer diameter 1 mm, working length 7.5 cm
- **203417**: Same, outer diameter 1.7 mm
- **203423**: Same, outer diameter 2.3 mm
- **203530**: Suction Tube, angular, conical, LUER, with grip plate, outer diameter 3 mm, working length 11 cm
- **203535**: Same, outer diameter 3.5 mm
- **203615**: BARNES Suction Tube, with cut-off hole, LUER-Lock, outer diameter 1.5 mm, working length 5 cm
- **203617**: Same, outer diameter 1.7 mm
- **203620**: Same, outer diameter 2 mm

*Further Suction Tubes* see ENT catalog
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

Further Suction Tubes see ENT catalog

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
Ear Microsurgery
Suction Tubes, Suction Tips

204405 – 204409

204405  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.

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

204705  Suction Tip, for 204700, outer diameter 0.5 mm, length 4 cm
204707  Same, outer diameter 0.7 mm
204709  Same, outer diameter 0.9 mm
204712  Same, outer diameter 1.2 mm
204806  FERGUSON Suction Tube, with cut-off hole and stylet, LUER, 6 Fr., working length 11 cm
204808  Same, 8 Fr.
204809  Same, 9 Fr.
204810  Same, 10 Fr.
204812  Same, 12 Fr.
204815  Same, 15 Fr.

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

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

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  **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**

- 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**

- 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
Ear Microsurgery

Scissors

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

Scissors and Micro Scissors, working lengths 8 cm and 12.5 cm, dismantling

- 222603 FISCH-BELUCCI Micro Scissors, dismantling, extra delicate scissor blades, cutting length 3 mm, working length 8 cm
- 222606 FISCH-BELUCCI Micro Scissors, dismantling, extra delicate scissor blades, cutting length 3 mm, with antireflection coating, working length 8 cm

Scissors, working length 7.5 cm, dismantling

- 222710 FISCH Scissors, dismantling, for crurotomy, curved to right, working length 7.5 cm
- 222720 Same, curved to left

BELUCCI Scissors, dismantling, delicate, straight, working length 12.5 cm
**Ear Microsurgery**

**Malleus Nippers, Instrument Guard**

**Malleus Nippers, working length 8 cm, dismantling**

8 cm

| 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 |

| 223000 | Instrument Guard, teflon, autoclavable, for micro forceps and micro scissors with working length 8 cm, length 11.5 cm |
Ear Microsurgery
Knives, Salivary Duct Probes

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>
</tr>
</thead>
<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>
</tr>
<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>
<td></td>
</tr>
</tbody>
</table>

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

Color Code
- Yellow (YLW)
- Orange (ORG)
- White (WHT)
- Red (RED)
- Pink (PNK)
- Green (GRN)
- Blue (BLU)
- Black (BLC)
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
Ear Micro Surgery
Micro Raspatories, Dissectors, Tenotome

- **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
Ear Micro Surgery

Dissectors

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>224001</td>
<td>HOUSE Double Curette, large, spoon sizes 2 x 3.2 mm and 1.6 x 2.6 mm, length 15 cm</td>
</tr>
<tr>
<td>224002</td>
<td>Same, small, spoon sizes 1 x 1.6 mm and 1.3 x 2 mm</td>
</tr>
<tr>
<td>224003</td>
<td>HOUSE Double Curette, medium, spoon sizes 1 x 1.8 mm and 2 x 2.8 mm, length 15 cm</td>
</tr>
<tr>
<td>224004</td>
<td>HOUSE Double Curette, medium, spoon sizes 1 x 1.6 mm and 2 x 3.5 mm, length 18 cm</td>
</tr>
<tr>
<td>224005</td>
<td>HOUSE Double Curette, angular, extra small, spoon sizes 0.6 x 0.8 mm and 0.8 x 1 mm, length 17 cm</td>
</tr>
<tr>
<td>224011</td>
<td>HOUSE Double Curette, straight, extra large, spoon sizes 2.3 x 3.5 mm and 2.7 x 4.3 mm, length 15 cm</td>
</tr>
<tr>
<td>224015</td>
<td>HOUSE-BABIGHIAN Double Curette, toothed, extra large, spoon sizes 2.4 x 3.4 mm and 2.6 x 4 mm, length 16 cm</td>
</tr>
</tbody>
</table>
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

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<tr>
<th>Detailed View</th>
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<th>Qty / Color Rings*</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>224301</td>
<td>WULLSTEIN Needle, strong long curve, length 16.5 cm</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>224302</td>
<td>Same, medium curve</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>224303</td>
<td>Same, slight curve</td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>224304</td>
<td>Same, straight</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>224400</td>
<td>PLESTER Guiding Fork, length 15.5 cm</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>224600</td>
<td>PLESTER Hook, retrograde, 2 mm, length 15.5 cm, to abrade the underside of the tympanic membrane</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>224802</td>
<td>Footplate Hook, 0.2 mm, length 16 cm</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>224806</td>
<td>PLESTER Footplate Hook, 0.6 mm, length 16 cm</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

### Color Code

- **YLW**
- **ROS**
- **BLU**
- **ORG**
- **PNK**
- **GRN**
- **WHT**
- **RED**
- **BLC**
# 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>YLW</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225204</td>
<td>Same, size 0.4 mm</td>
<td>ROS</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225205</td>
<td>Same, size 0.5 mm</td>
<td>BLU</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225206</td>
<td>Same, size 0.6 mm</td>
<td>ORG</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225208</td>
<td>Same, size 0.8 mm</td>
<td>PNK</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225210</td>
<td>Same, size 1 mm</td>
<td>GRN</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>225212</td>
<td>Same, size 1.2 mm</td>
<td>WHT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225215</td>
<td>Same, size 1.5 mm</td>
<td>BLC</td>
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</tr>
<tr>
<td></td>
<td>225220</td>
<td>Same, size 2 mm</td>
<td></td>
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<tr>
<td></td>
<td>225225</td>
<td>Same, size 2.5 mm</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>225230</td>
<td>Same, size 3 mm</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>225240</td>
<td>Same, size 4 mm</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>225250</td>
<td>Same, size 5 mm</td>
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<tr>
<td></td>
<td>225404</td>
<td>Pick, 45°, size 0.4 mm, length 16 cm</td>
<td>YLW</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>225405</td>
<td>Same, size 0.5 mm</td>
<td>ROS</td>
<td></td>
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<tr>
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<td>225406</td>
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<td>BLU</td>
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<td>225408</td>
<td>Same, size 0.8 mm</td>
<td>ORG</td>
<td></td>
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<tr>
<td></td>
<td>225410</td>
<td>Same, size 1 mm</td>
<td>PNK</td>
<td></td>
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<tr>
<td></td>
<td>225415</td>
<td>Same, size 1.5 mm</td>
<td>GRN</td>
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</tr>
<tr>
<td></td>
<td>225420</td>
<td>Same, size 2 mm</td>
<td>WHT</td>
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<tr>
<td></td>
<td>225425</td>
<td>Same, size 2.5 mm</td>
<td>BLC</td>
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<tr>
<td></td>
<td>225440</td>
<td>Same, size 4 mm</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>225450</td>
<td>Same, size 5 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

226600 – 226608
226715 – 226730
226753
226810 – 226835
226910 – 226925

226600  FISCH Manual Perforator,
diameter 0.3 mm, length 16 cm
226610  Round Knife 45°,
diameter 1 mm, length 16 cm
226604  Same, diameter 0.4 mm
226615  Same, diameter 1.5 mm
226605  Same, diameter 0.5 mm
226620  Same, diameter 2 mm
226606  Same, diameter 0.6 mm
226623  Same, diameter 2.3 mm
226607  Perforator, diameter 0.7 mm, length 16 cm
226625  Same, diameter 2.5 mm
226608  Same, diameter 0.8 mm
226630  Same, diameter 3 mm
226626  Same, diameter 3.5 mm
226720  Round Knife 0°, straight, diameter
1.5 mm, length 16 cm
226725  Round Knife 90°,
diameter 1 mm, length 16 cm
226730  Same, diameter 2 mm
226723  Same, diameter 2.3 mm
226735  Same, diameter 2.5 mm
226730  Same, diameter 2.3 mm
226753  Round Knife 25°,
diameter 1 mm, length 16 cm

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

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

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**Color Code**
- YLW: Yellow
- ROS: Red
- PNK: Pink
- BLU: Blue
- ORG: Orange
- WHT: White
- GRN: Green
- BLC: Black
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

McGEE Wire Crimper, dismantling, straight, working length 8 cm
FISCH-McGEE Wire Crimper, dismantling, straight, working length 8 cm
Same, curved to right
Same, curved to left

Wire Cutter, working length 10 cm

GUILFORD-WRIGHT Wire Cutter, serrated, length 10 cm
SCHUKNECHT Wire Bending Die
SHEA Vein Press, diameter 16 mm, length 13 cm
Vein Press, LÜBECK model, diameter 38 mm
Ear Micro Surgery
Prostheses 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
AL HAGR Retractor

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
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.
Telescopes recommended for middle ear surgery

7220 AA

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

7220 FA

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

Further Telescopes

7220 BA

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

7220 CA

HOPKINS® Lateral Telescope 70º, enlarged view,
diameter 3 mm, length 14 cm, autoclavable,
fiber optic light transmission incorporated,
color code: yellow
Endoscopic Middle Ear Surgery

HOPKINS® Telescopes

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

227213 **Curette**, double-ended, spoon-shaped tips diameter 1 mm and 1.5 mm, end position angled 90° to sheath, length 17 cm

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

224003 HOUSE **Double Curette**, medium, spoon sizes 1 x 1.8 mm and 2 x 2.8 mm, length 15 cm

224004 HOUSE **Double Curette**, medium, spoon sizes 1 x 1.6 mm and 2 x 3.5 mm, length 18 cm

227230 **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

Suction Tube, conical, curved 3 mm, Luer-Lock, outer diameter 1 mm, length 8 cm

Suction Tube, conical, curved 6 mm

Suction Tube, conical, curved 6 mm, Luer-Lock, outer diameter 1.2 mm, length 8 cm

Suction Tube, conical, curved 8 mm, Luer-Lock, outer diameter 1.6 mm, length 8 cm

Suction Tube, conical, curved 8 mm

Suction Tube, curved 3 mm, Luer-Lock, outer diameter 0.6 mm, length 10 cm

Suction Tube, curved 6 mm, Luer-Lock, outer diameter 0.8 mm, length 10 cm

Suction Tube, curved 8 mm, Luer-Lock, outer diameter 1.2 mm, length 10 cm

Suction Tube, curved 8 mm, Luer-Lock, outer diameter 1.6 mm

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

Luer Cone Connector, male, rotating
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
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  
**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  
**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 see ENT catalog

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
NEW DRILLCUT-X® II-35 N Shaver Handpiece
NEW 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.
Information on events is available on the KARL STORZ website
www.karlstorz.com