



**Optec s.c.**

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# Laryngologia

[www.medycyna.sklep.pl](http://www.medycyna.sklep.pl)





## Basic Surgical Instruments



**Y2001.6** 18cm  
Needle holder, straight with lock



**Y2008.6**  
Tissue forceps, length 16cm



**Y2003.2** 16cm  
**Y2003.3** 18cm

Needle holder

**Y2003.6** 14cm    **Y2003.11** 22cm  
**Y2003.7** 15cm    **Y2003.12** 24cm  
**Y2003.8** 16cm    **Y2003.13** 26cm  
**Y2003.10** 20cm    **Y2003.14** 28cm



Scissors for eyes, Sharp head

**Y2005** Straight, 10cm  
**Y2006** Curved, 10cm



Scissors, straight, sharp head

**Y2007.1** 14cm length  
**Y2007.2** 16cm length  
**Y2007.3** 18cm length



Tissue, scissors, straight, blunt head

**Y2007.10** 20cm length  
**Y2007.11** 19cm length  
**Y2007.12** 17cm length  
**Y2007.13** 14cm length



**Y2007.23** 14cm  
Tissue, scissors, straight, half round



Tissue, scissors, curved, half round

**Y2007.28** 14cm length  
**Y2007.30** 17cm length



Tissue forceps Elis head

**Y2008.1** width 5mm, length 14cm  
**Y2008.3** width 5mm, length 18cm



Hemostatic forceps, straight, full tooth

**Y2010.1** 12,5cm length  
**Y2010.2** 14cm length  
**Y2010.3** 16cm length  
**Y2010.4** 18cm length  
**Y2010.5** 20cm length  
**Y2010.6** 22cm length



Hemostatic forceps, curved, full tooth

**Y2011.1** 12,5cm length  
**Y2011.2** 14cm length  
**Y2011.3** 16cm length  
**Y2011.5** 20cm length  
**Y2011.6** 22cm length  
**Y2011.7** 24cm length



Towel forceps, sharp head

**Y2013.1** 11cm length  
**Y2013.2** 14cm length



Sponge forceps, toothed

**Y2016.4** curved, 8 mm, 25cm  
**Y2016.6** curved, 12 mm, 25cm  
**Y2016.2** straight, 12 mm, 25cm



# Laryngologia

## Basic Surgical Instruments

### OTOLOGY



Y2020.1 125mm Tweezers, Straight  
Y2020.5 125mm Tweezers, Straight with hook



Y2020.8 125mm Tissue tweezer, straight



Tissue tweezer  
Y2020.9 1x2 125mm straight, 1x2 tooth, S  
Y2020.10 1x2 125mm straight, 1x2 tooth, L



Tweezers  
C2049 160mm  
C2049.1 200mm  
C2049.2 160mm head with hook  
C2049.3 195mm head with hook  
C2049.4 180mm head with hook  
C2049.6 180mm



Tweezers  
C2050 110mm  
C2050.1 110mm head with hook  
C2050.2 160mm head with hook



Y3001.1 3 12,5cm Handle



Y3001.4 4 13,5cm Handle (with L blade)



Handle  
Y3001.7 7 12,5cm  
Y3001.8 7 16,5cm



Tuning forks  
C2036.1 128  
C2036.2 256



Tuning forks  
C2036.3 512 C2036.5 2048  
C2036.4 1024 C2036.6 4096



C2101 Fascia squeezer



# Laryngologia



## Shaver system

B3404 Control unit

B3405 Foot pedal

B3401 Otology handpiece motor without brush



Straight joint  
C3202 70 mm



Curved joint  
C3203 70 mm



Standard straight shaft burrs



C3306  $\varnothing$  2x70mm    C3307  $\varnothing$  3x70mm    C3308  $\varnothing$  4x70mm    C3309  $\varnothing$  5x70mm    C3310  $\varnothing$  6x70mm

C3311  $\varnothing$  2x70mm    C3312  $\varnothing$  3x70mm    C3313  $\varnothing$  4x70mm    C3314  $\varnothing$  5x70mm    C3315  $\varnothing$  6x70mm

## Otoscope



C0010.1 0°  $\varnothing$  2,7 x 105mm, 134°C 2bar  
C0010.1A 0°  $\varnothing$  3 x 105mm, 134°C 2bar  
C0010.2 0°  $\varnothing$  2,7 x 105mm  
C0030 0°  $\varnothing$  4 x 45mm  
C0030.1 0°  $\varnothing$  4 x 45mm, 134°C 2bar



C0012.1 30°  $\varnothing$  2,7 x 105mm, 134°C 2bar  
C0012.1A 30°  $\varnothing$  3 x 105mm, 134°C 2bar  
C0012.2 30°  $\varnothing$  2,7 x 105mm  
C0032 30°  $\varnothing$  4 x 45mm  
C0032.1 30°  $\varnothing$  4 x 45mm, 134°C 2bar



C0013.1 70°  $\varnothing$  2,7 x 105mm, 134°C 2bar  
C0013.1A 70°  $\varnothing$  3 x 105mm, 134°C 2bar  
C0013.2 70°  $\varnothing$  2,7 x 105mm  
C0033 70°  $\varnothing$  4 x 45mm

1. Connecting to TIANSONG light guide cable  
Connecting to OLYMPUS light guide cable  
Connecting to STORZ light guide cable
2. Connecting to WOLF light guide cable
3. Connecting to ACMI, STRYKER light guide cable



C0010 0°  $\varnothing$  2,7 x 105mm  
C0010A 0°  $\varnothing$  3 x 105mm  
C0012 30°  $\varnothing$  2,7 x 105mm  
C0012A 30°  $\varnothing$  3 x 105mm  
C0013 70°  $\varnothing$  2,7 x 105mm  
C0013A 70°  $\varnothing$  3 x 105mm



C0010.1K 0° 5,5mm, Working channel 1,9mm



# Laryngologia

## Otoscopy instruments

### OTOLOGY

#### C6 Hyperfine otology instruments

1. Customized special stainless steel: high strength , good corrosion resistant.
2. Vacuum heat treatment technology: Vacuum oil quenching and vacuum tempering. The parts are non-oxidation, no decarburization, good surface quality, microstructure uniformity, and high comprehensive mechanical properties.
3. Use the Swiss leading CNC machine and technology, which has high precision.
4. Use the leading surface treatment technology. Effectively remove the injurants to the human body, improve the corrosion resistance.

|  |   |   |  |
|--|---|---|--|
| <br><b>Middle ear forceps, triticeous head</b><br><b>C6003.1</b> 7mm<br><b>C6003.2</b> 5mm<br><b>C6003.2</b> 3,5mm   | <br><b>C6003.4</b> Middle ear forceps 30°<br>Triticeous head upward                           | <br><b>Middle ear forceps, Cup head</b><br><b>C6004</b> 45° 2mm<br><b>C6004.1</b> 45° 1,5mm<br><b>C6004.2</b> 45° 1,2mm<br><b>C6066.2</b> 45° 0,8x1,3mm |  |
| <br><b>Middle ear forceps, cup head</b><br><b>C6005</b> 0° 2mm<br><b>C6005.1</b> 0° 1,5mm<br><b>C6005.2</b> 0° 1,2mm | <br><b>Middle ear scissors</b><br><b>C6006</b> Straight                                       | <br><b>Middle ear scissors</b><br><b>C6006.1</b> Left curved<br><b>C6006.2</b> Right curved   |  |
| <br><b>C6013</b> Stapes forceps  | <br><b>Ear forceps, Oval head</b><br><b>C6066</b> 0° 0,5x0,8mm<br><b>C6066.1</b> 0° 0,8x1,3mm | <br><b>C6060</b> Malleus rongeur scissor  |  |

|  |  |
|--|--|
| <br><b>C1001</b> Otoscopy sheath<br>Ø2,7 x 105mm | <br><b>Mastoid retractor</b><br><b>C6039</b> 160mm mobile type 160mm |
|--|--|

|  |
|--|
| <br><b>Otoscopy sheath</b><br><b>C1004</b> 3x105mm<br><b>C1005</b> 3x110mm<br><b>C1006</b> 3x140mm |
|--|



# Laryngologia



## Otoscopy instruments



**C8040** Ear periosteum knife  
Boyonet shaped, Sickle

Micro ear hook, Boyonet shaped,  
**C8062.10** 90° 2mm  
**C8062.12** 90° 1,5mm



**C8042.1** Micro ear knife, Sickle



**C8043** Micro ear knife, Triangle



**C8048.1** Ear probe, Head 0,5mm  
For the cochlea electrode fascia filling



**C8048.2** Ear probe, 25°



**C8048.3** Ear probe 45°



Micro ear knife, Straight cut  
**C8058.1** 0° 2mm  
**C8058.2** 0° 2,5mm



Micro ear knife

**C8059.1** 45° 1mm  
**C8059.2** 45° 1,2mm  
**C8059.3** 45° 1,5mm  
**C8059.4** 45° 1,8mm  
**C8059.5** 45° 2mm  
**C8059.6** 45° 2,5mm



Micro ear knife

**C8059.8** 90° 1mm  
**C8059.9** 90° 1,2mm  
**C8059.10** 90° 1,5mm  
**C8059.11** 90° 1,8mm  
**C8059.12** 90° 2mm  
**C8059.13** 90° 2,5mm



Micro ear hook  
**C8062.2** 90° 0,6mm  
**C8062.3** 90° 1mm  
**C8062.4** 90° 1,2mm  
**C8062.5** 90° 1,5mm  
**C8062.6** 90° 1,8mm  
**C8062.7** 90° 2mm



Ear probe  
**C8064.1** Slightly curved, sharp head  
**C8064.2** Straight, sharp head



Micro ear hook  
**C8065** 45° 0,8mm  
**C8065.2** 45° 1,2mm  
**C8065.3** 45° 1,5mm  
**C8065.4** 45° 1,8mm  
**C8065.5** 45° 2mm



Micro ear hook  
**C8065.6** 25°Short  
**C8065.7** 25°Long



Micro ear curet, Oval head, slightly curved  
**C8071.1** 1,5x1,2mm  
**C8071.2** 1,8x1,5mm  
**C8071.3** 2,2x1,8mm



Micro ear elevator, Slightly curved  
**C8073.1** 1,5mm  
**C8073.2** 2mm  
**C8073.3** 2,2x1,8mm



**C8073.4** Micro ear elevator, Curved  
1,8mm



Micro ear elevator  
**C8073.5** Left curved  
**C8073.6** Right curved



Micro ear curette, Oval curved, double heads  
**C8070.1** 0,6x0,8mm-0,8x1mm  
**C8070.2** 0,9x1,6mm-1,2x2mm  
**C8070.3** 1,5x2,3mm-2x2,8mm  
**C8070.4** 2,5x3,5mm-2,8x3,8mm



# Laryngologia

## Otoscopy instruments

ENT suction tube, Straight with handle

- C6046.11 ∅3x85mm
- C6046.12 ∅3,5x85mm
- C6046.13 ∅4x85mm
- C6046.14 ∅4,5x85mm
- C6046.15 ∅5x85mm

ENT suction tube, with reducing valve

- |                            |                              |
|----------------------------|------------------------------|
| C6046.21 ∅3x85mm, curved   | C6046.31 ∅3x85mm, Straight   |
| C6046.22 ∅2,5x85mm, curved | C6046.32 ∅2,5x85mm, Straight |
| C6046.23 ∅2x85mm, curved   | C6046.33 ∅2x85mm, Straight   |
| C6046.24 ∅1,8x85mm, curved | C6046.34 ∅1,8x85mm, Straight |
| C6046.25 ∅1,5x85mm, curved | C6046.35 ∅1,5x85mm, Straight |
| C6046.26 ∅1,2x85mm, curved | C6046.36 ∅1,2x85mm, Straight |
| C6046.27 ∅1x85mm, curved   | C6046.37 ∅1x85mm, Straight   |
| C6046.28 ∅0,8x85mm, curved |                              |

ENT suction tube

- C6046.42 ∅1x85mm, Curved
- C6046.43 ∅1,2x85mm, Curved
- C6046.44 ∅1,5x85mm, Curved
- C6046.45 ∅1,8x85mm, Curved
- C6046.46 ∅2x85mm, Curved
- C6046.47 ∅2,3x85mm, Curved
- C6046.48 ∅2,5x85mm, Curved
- C6046.49 ∅3x85mm, Curved

Suction tube, upward

- C6046.51 ∅1x85mm, Curved
- C6046.53 ∅1,5x85mm, Curved
- C6046.55 ∅2x85mm, Curved

ENT suction tube

- C6046.88 ∅1,5mm ∅1x85mm
- C6046.89 ∅2mm ∅1,5x85mm
- C6046.90 ∅2,5mm ∅2x85mm

Suction tube, downward

- C6046.52 ∅1x85mm
- C6046.54 ∅1,5x85mm
- C6046.56 ∅2x85mm

C6075 ENT suction tube, Slightly curved ∅2mm



C6051.1 Ear curette  
45° ∅1,2mm Left



C6051.2 Ear curette  
45° ∅1,2mm Right



C6051.3 Ear curette  
45° ∅1,5mm Left



C6051.4 Ear curette  
45° ∅1,5mm Right



C6051.5 Ear curette  
90° ∅1,5mm Left



C6051.6 Ear curette  
90° ∅1,5mm Right



Micro ear hook  
C6051.7 45° 1,5mm  
C6051.8 45° 2mm  
C6051.9 45° 2,5mm



C6051.10 Micro elevator 1,8mm



C6051.11 Micro knife  
45° 2,6mm



Micro knife  
C6051.12 55° 2,2mm  
C6051.13 55° 2,6mm



C6051.14 Micro knife  
0° 2,3mm Left



C6051.15 Micro knife  
0° 2,3mm Right





# Laryngologia



## Otoscopy instruments

### C5 Black gold hyperfine otology instruments

Based on the C6 products, using PVD black gold coating.

1. To avoid reflections in the operation, reduce the fatigue of doctor is eye.
2. Improve corrosion resistance and ambrasion resistance, extend the life of the product.
3. After processing, the product surface is smooth, no easy to rust, stain is not easy to bonding, make cleaning and sterilization more thoroughly, more secure.
4. Good biological compatibility, make the product in such aspects as hemolysis and sensitive with better performance.

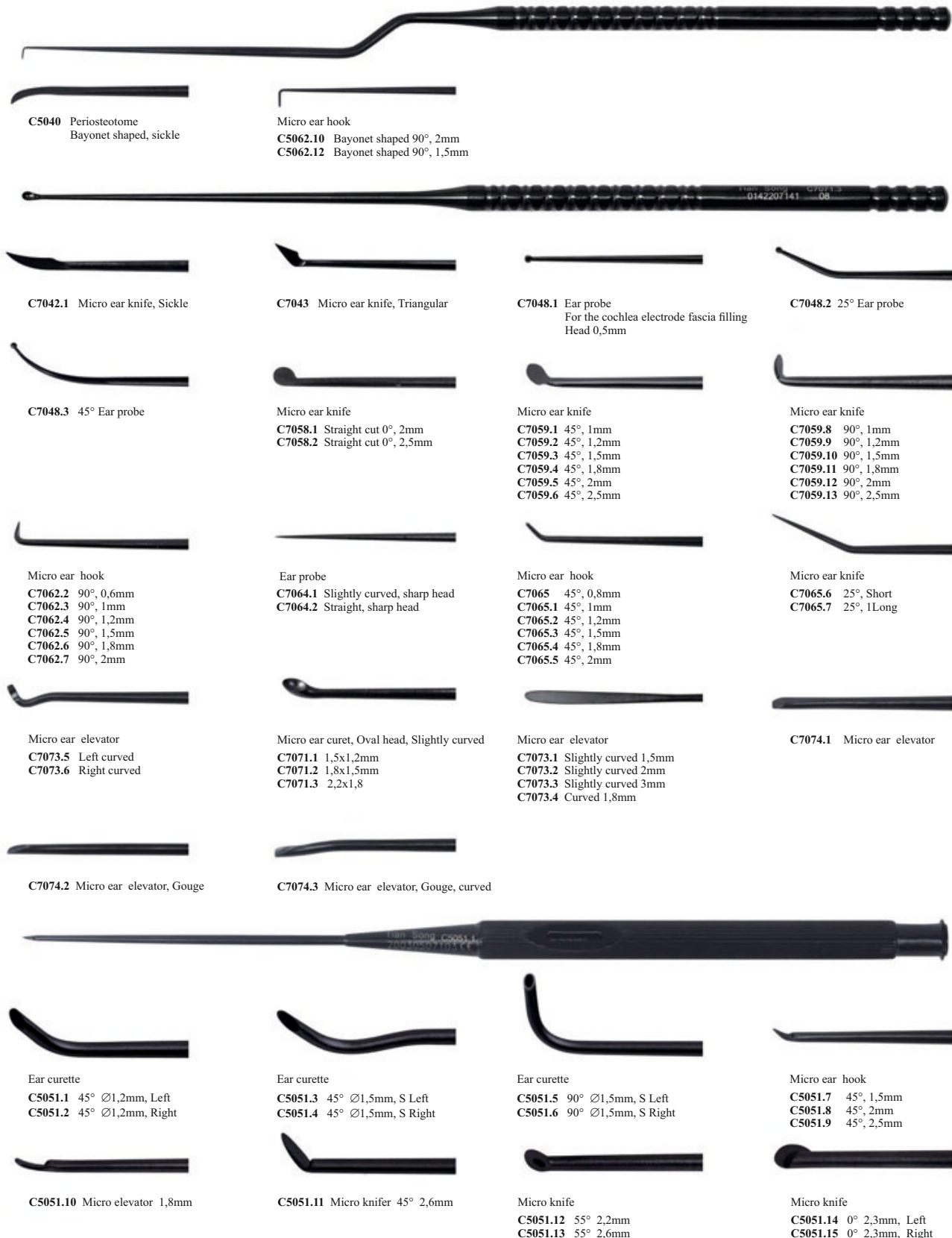
|   |   |  |   |
|---|---|--|---|
| <br>Middle ear forceps, triticeous head<br><b>C5003.1</b> 7mm<br><b>C5003.2</b> 5mm<br><b>C5003.3</b> 3,5mm   | <br><b>C5003.4</b> 30°<br>Middle ear forceps, Triticeous head upward  | <br>Middle ear forceps, Cup head<br><b>C5004</b> 45° 2mm<br><b>C5004.1</b> 45° 1,5mm<br><b>C5002.2</b> 45° 1,2mm |   |
| <br>Middle ear forceps, Cup head<br><b>C5005</b> 0° 2mm<br><b>C5005.1</b> 0° 1,5mm<br><b>C5005.2</b> 0° 1,2mm | <br>Middle ear scissors<br><b>C5006</b> Straight<br><b>C5006.1</b> Left curved<br><b>C5006.2</b> Right curved | <br><b>C5013</b> Stapes forceps  |   |
| <br><b>C5060</b> Malleus rongeur scissors   | <br><b>C5066</b> Middle ear forceps, Cup head<br>0°, 0,5x0,8mm Oval head                                      | <br><b>C5066.1</b> Middle ear forceps, Cup head<br>0°, 0,8x1,3mm Oval head                                       | <br><b>C5066.2</b> Middle ear forceps, Cup head<br>45°, 0,8x1,3mm Oval head |

**C5075** ENT suction tube, Slightly curved Ø2mm

Suction tube, curved, with reducing valve

|                           |                           |
|---------------------------|---------------------------|
| <b>C5046.21</b> Ø3x85mm   | <b>C5046.25</b> Ø1,5x85mm |
| <b>C5046.22</b> Ø2,5x85mm | <b>C5046.26</b> Ø1,2x85mm |
| <b>C5046.23</b> Ø2x85mm   | <b>C5046.27</b> Ø1x85mm   |
| <b>C5046.24</b> Ø1,8x85mm | <b>C5046.28</b> Ø0,8x85mm |

## Otoscopy instruments





# Laryngologia



## Middle ear forceps

80mm

|  |  |  |  |
|--|--|--|--|
| <br><b>C2001</b> Punch head<br>(head length 5mm)                                 | <br><b>C2002</b> Ring head<br>(head length 5mm)              | <br>Triticeous head<br><b>C2003.1</b> Large<br>(head length 5mm) | <br><b>C2004</b> 45° Cup head<br>(head length 5mm) |
| <br>Cup head<br><b>C2005</b> 2mm<br><b>C2005.1</b> 1,5mm<br><b>C2005.2</b> 1,2mm | <br><b>C2013</b> Stapes install forceps<br>(head length 5mm) | <br><b>C2003.2</b> Small<br>(head length 3,5mm)                  | <br><b>C2111</b> middle ear cathetering forceps    |
|  |  | <br><b>C2014</b> Left upward<br><b>C2015</b> Right upward        |  |

## Otoscopy instruments

|  |  |   |  |        |
|--|--|---|--|--------|
| <br>Curette, curved and blunt mouth<br><b>C2017.1</b> ∅4mm<br><b>C2017.2</b> ∅3mm<br><b>C2017.3</b> ∅2mm     | <br><b>C2074A</b> Micro ear needle<br>0.4, 0.6, 0.8, |   |  |        |
| <br>Cerumen hook, bayonet shaped<br><b>C2051.1</b> 2mm blade width 2mm<br><b>C2051.2</b> 4mm blade width 4mm | <br><b>C2053</b> Cerumen hook, curved                | <br><b>C2040</b> Periosteotome, half-moon blade<br>Bayonet shaped | <br><b>C2041</b> Periosteotome, triangular blade<br>Bayonet shaped |        |
| <br><b>C2080</b> Micro cerumen hook, 9pcs  |  |   |  |        |
| <br>0  | <br>1  | <br>2   | <br>3  | <br>4  |
| <br>5  | <br>6  | <br>7   | <br>8  | <br>9  |
| <b>C2074</b> Micro cerumen hook, 21pcs   |  |   |  |        |
| <br>10   | <br>11   | <br>12  | <br>13   | <br>14 |
| <br>15   | <br>16   | <br>17  | <br>18   | <br>19 |
| <br>20   |  |   |  |        |



# Laryngologia

## Otoscopy instruments



Plester self retaining retractors  
**C2038** 130mm  
**C2038.1** 130mm, Single tooth  
**C2038.4** 130mm, 3x4tooth, blunt



Plester self retaining retractors  
**C2038.2** 130mm, 2x2 sharp head, curved  
**C2038.3** 130mm, 2x2 blunt head, curved



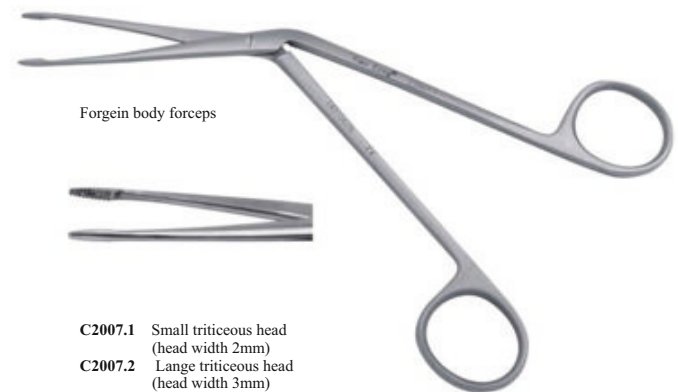
Mastoid retractors  
**C2038.8** 130mm, 3 teeth, right, sharp, curved  
**C2038.7** 130mm, 3 teeth, left, sharp, curved



**C2039** Backman laminectomy retractors  
 160mm



**C2044** Polyp scissors 140mm



Forgein body forceps

**C2007.1** Small triticeous head (head width 2mm)  
**C2007.2** Large triticeous head (head width 3mm)



**C2045** Polyp snare



**C2042** Periosteotome

**C2043** Periosteotome



# Laryngologia



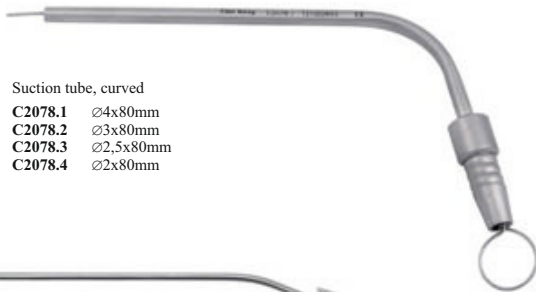
## Otoscopy instruments



**C2056.6** Headlight LED high brightness, with charger

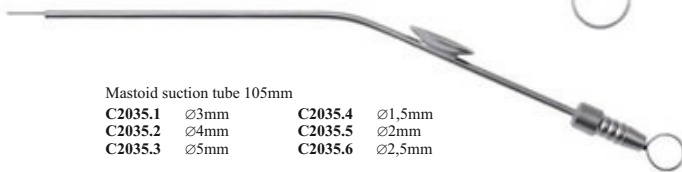


**C6046** Suction tube



Suction tube, curved

- C2078.1** ∅4x80mm
- C2078.2** ∅3x80mm
- C2078.3** ∅2,5x80mm
- C2078.4** ∅2x80mm



Mastoid suction tube 105mm

- |                     |                       |
|---------------------|-----------------------|
| <b>C2035.1</b> ∅3mm | <b>C2035.4</b> ∅1,5mm |
| <b>C2035.2</b> ∅4mm | <b>C2035.5</b> ∅2mm   |
| <b>C2035.3</b> ∅5mm | <b>C2035.6</b> ∅2,5mm |



Mastoid mallet

- C2034.1** ∅19x60mm
- C2034.2** ∅17x55mm
- C2034.3** ∅15x50mm



**C2055.1** Cotton applicator, spring handle



Spiral head



Triangular head



Suction tube 125mm straight

- C2046.1** ∅4mm
- C2046.2** ∅3mm
- C2046.3** ∅2,5mm
- C2046.9** ∅3,5mm
- C2046.10** ∅2mm



Suction tube 85mm

- C2046.4** ∅1mm
- C2046.5** ∅1,5mm
- C2046.6** ∅2mm
- C2046.7** ∅2,5mm
- C2046.8** ∅3mm



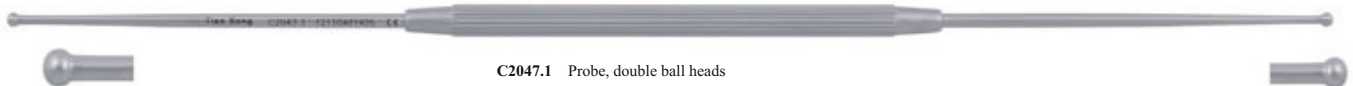
Middle ear catheter pusher

- C2110**
- C2110.1**



Mastoid mallet

- C2034.4** rubber
- C2034.7** rubber with needle



**C2047.1** Probe, double ball heads



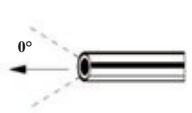
Curette hook

- C2047.2** 225mm double heads
- C2047.3** 225mm

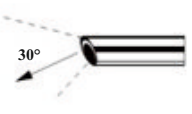


# Laryngologia

## Sinuscope



- B0110** 0° Ø 4 x 175mm HD
- B0210** 0° Ø 2,7 x 175mm
- B0210A** 0° Ø 3 x 175mm
- B0120** 0° Ø 4 x 175mm 134°C 2bar
- B0310** 0° Ø 2,7 x 175mm 134°C 2bar
- B0310A** 0° Ø 3 x 175mm 134°C 2bar
- B0410** 0° Ø 3 x 150mm HD
- B0410.1** 0° Ø 3 x 140mm HD



- B0112** 30° Ø 4 x 175mm
- B0212** 30° Ø 2,7 x 175mm
- B0212A** 30° Ø 3 x 175mm
- B0122** 30° Ø 4 x 175mm 134°C 2bar
- B0312** 30° Ø 2,7 x 175mm 134°C 2bar
- B0312A** 30° Ø 3 x 175mm 134°C 2bar
- B0412** 30° Ø 3 x 150mm HD



- B0016** 45° Ø 4 x 175mm
- B0016.1** 45° Ø 4 x 175mm 134°C 2bar



- B0113** 70° Ø 4 x 175mm
- B0213** 70° Ø 2,7 x 175mm
- B0213A** 70° Ø 3 x 175mm
- B0123** 70° Ø 4 x 175mm 134°C 2bar
- B0025** 90° Ø 4 x 175mm



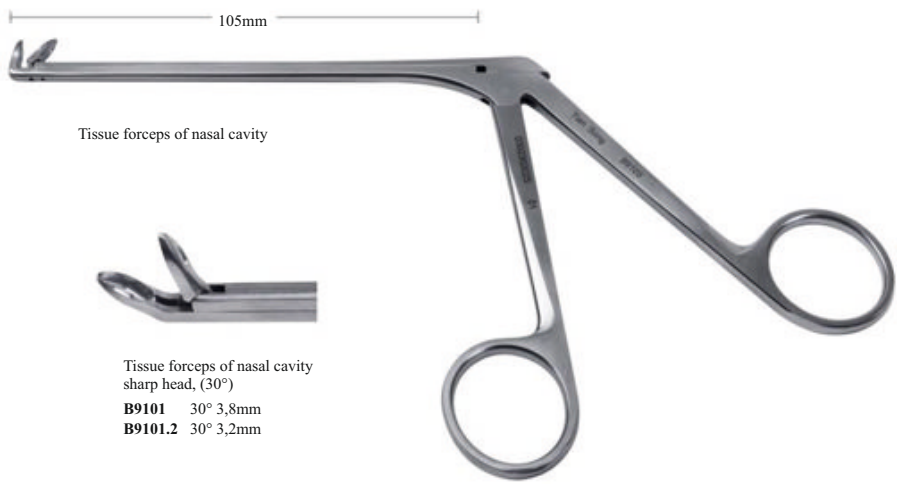
Sinuscope



Sinuscope

- B0040** 0° Ø 4 x 175mm
- B0042** 30° Ø 4 x 175mm
- B0043** 70° Ø 4 x 175mm
- B0044** 45° Ø 4 x 175mm

## Nasal operating forceps



Tissue forceps of nasal cavity



- Tissue forceps of nasal cavity sharp head, (0°)
- B9100** 0° 3,8mm
- B9100.2** 0° 3,2mm



- Tissue forceps of nasal cavity sharp head, (30°)
- B9101** 30° 3,8mm
- B9101.2** 30° 3,2mm



- Tissue forceps of nasal cavity sharp head, (45°)
- B9102** 45° 3,8mm
- B9102.2** 45° 3,2mm



- B9103** (90°/3,8mm)
- Tissue forceps of nasal cavity sharp head, without fixed pin



- B9104** (0°/3,5mm)
- Tissue forceps of nasal cavity round head, without fixed pin



- Nasal tissue forceps (0°)
- B2517.1** 6mm
- B2517.2** 5mm
- B2517.3** 4,5mm



- B2517.4** (0°)
- Nasal tissue forceps 7mm



- Nasal tissue forceps (45°)
- B2519.1** 6mm
- B2519.2** 5mm



- B9080** (115mm)
- Open forceps of nasal ethmoid Flat head 3,5mm



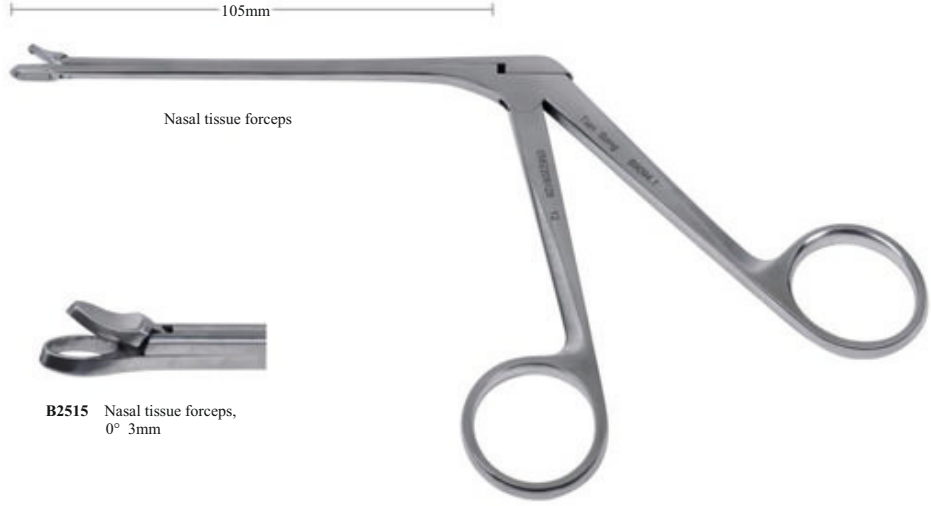
- B9081** (115mm)
- Open forceps of nasal ethmoid Up head 3,5mm



# Laryngologia



## Nasal operating forceps



**B2514** Nasal tissue forceps,  
Front biting  
0° 3mm



**B2515** Nasal tissue forceps,  
0° 3mm



**B2516** Nasal tissue forceps,  
30° 3mm



**B2516.1** Nasal tissue forceps,  
45° 3mm



Nasal rongeur  
**B2530** 0° 3mm  
**B2530.2** 0° 2,5mm



**B2531** Nasal rongeur  
30° 3mm



**B2532** Nasal rongeur  
45° 3mm



**B2533** Nasal rongeur  
90° 3mm



**B2534** Nasal tissue cutting forceps  
0° 2mm



**B2535** Nasal tissue cutting forceps  
30° 2mm



**B2536** Nasal tissue cutting forceps  
45° 2mm



**B2537** Nasal rongeur  
0° 3mm, Left-curved



**B2538** Nasal rongeur  
0° 3mm, Right-curved



**B9094.1** Rongeur of nasal ethmoid  
0° 3mm



**B9094.2** Rongeur of nasal ethmoid  
30° 3mm



**B9094.9** Rongeur of nasal ethmoid  
45° 3mm



**B9099** Back biting rongeur  
2mm



**B9099.3** Back biting rongeur  
Down curved  
3,5mm



**B9098** Nasal rongeur front-biting  
1,2mm



**B9095.1** Nasal tissue scissors  
Straight



**B9096.1** Nasal tissue scissors  
Left



**B9097.1** Nasal tissue scissors  
Right



# Laryngologia

## Nasal operating forceps



**B2529** Nasal rongeur  
30° 4x3x135mm



**B9094.1M** Nasal cutting forceps,  
0° 3mm



**B9094.2M** Nasal cutting forceps,  
30° 3mm



Nasal tissue forceps  
**B9100M** 0° 3,8mm  
**B9100.2M** 0° 3,2mm



Nasal tissue forceps  
**B9101M** 30° 3,8mm  
**B9101.2M** 30° 3,2mm



Nasal tissue forceps  
**B9102M** 45° 3,8mm  
**B9102.2M** 45° 3,2mm



**B9103M** Nasal tissue forceps  
90° 3,8mm



**B2514M** Nasal tissue forceps, 3mm



**B2515M** Nasal cutting forceps,  
0° 3mm



**B2516M** Nasal cutting forceps,  
30° 3mm



**B2516.1M** Nasal cutting forceps,  
45° 3mm



**B2530M** Nasal rongeur  
0° 3mm



**B2531M** Nasal rongeur  
30° 3mm



**B2532M** Nasal rongeur  
45° 3mm



**B2533M** Nasal rongeur  
90° 3mm



Nasal cutting forceps  
**B9010.1** 0° 2,5mm  
**B9010.2** 0° 2mm



Nasal cutting forceps  
**B9011.1** 30° 2,5mm  
**B9011.2** 30° 2mm



Nasal cutting forceps  
**B9012.1** 45° 2,5mm  
**B9012.2** 45° 2mm



Nasal cutting forceps  
**B9013.1** 0° 2,5mm  
**B9013.2** 0° 2mm



Nasal cutting forceps  
**B9014.1** 30° 2,5mm  
**B9014.2** 30° 2mm



Nasal cutting forceps  
**B9015.1** 45° 2,5mm  
**B9015.2** 45° 2mm





# Laryngologia



## Nasal operating forceps



W=4mm

Nasal tissue forceps  
**B6100** 0° 4mm  
**B6100.2** 0° 3,5mm



Nasal tissue forceps  
**B6101** 30° 4mm  
**B6101.2** 30° 3,5mm



Nasal tissue forceps  
**B6102** 45° 4mm  
**B6102.2** 45° 3,5mm



Nasal tissue forceps  
**B6103.2** 90° 3,5mm



Nasal tissue forceps  
**B6104** 30° 4mm, Left  
**B6104.2** 30° 3,5mm, Left



Nasal tissue forceps  
**B6105** 30° 4mm, Right  
**B6105.2** 30° 3,5mm, Right



Nasal cutting forceps  
**B6101.1** 0° 3,5mm  
**B6101.2** 0° 2mm



Nasal cutting forceps  
**B6101.1** 30° 3,5mm



Nasal cutting forceps  
**B6102.1** 45° 3,5mm  
**B6102.2** 45° 2mm



Nasal cutting forceps  
**B6103.1** 0° 3,5mm  
**B6103.2** 0° 2mm



Nasal cutting forceps  
**B6104.1** 30° 3,5mm



Nasal cutting forceps  
**B6101.1** 30° 3,5mm, Right  
**B6101.2** 30° 3,5mm, Left



Nasal rongeur  
**B6099** Back-biting 2,5mm



Nasal tissue scissors  
**B6095** Straight



Nasal tissue scissors  
**B6096** Left curved  
**B6097** Right curved



Nasal cutting forceps  
**B6101.3** 65° 2mm  
**B6101.6** 65° 2mm  
**B6101.7** 65° 2mm



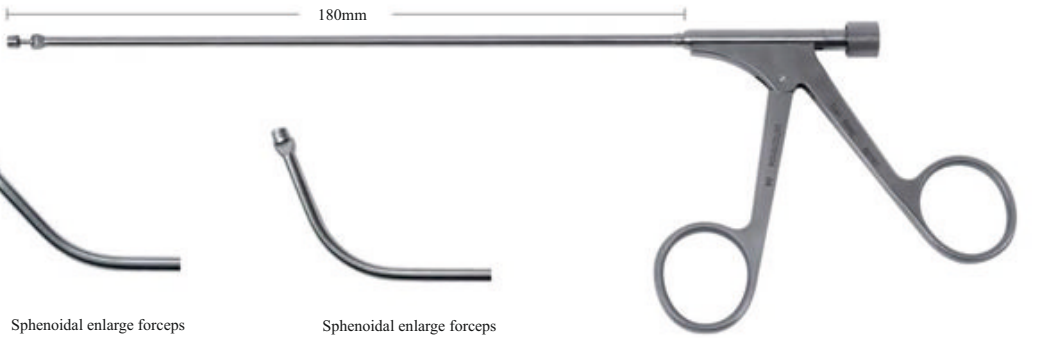
Sphenoidal enlarge forceps  
**B6161** 0° 4,5mm



Sphenoidal enlarge forceps  
**B6161.1** 45° 4,5mm



Sphenoidal enlarge forceps  
**B6161.2** 70° 4,5mm





# Laryngologia

## Nasal operating forceps

130mm



Nasal foreign body forceps  
**B6043** 3,5mm, 90°  
Sharp head, downward

Nasal foreign body forceps  
**B6043.1** 3,5mm 115°  
Sharp head, downward

Nasal foreign body forceps  
**B6043.7** 3,5mm 90°  
Round head, downward

Nasal foreign body forceps  
**B6043.8** 3,5mm 115°  
Round head, downward



**B6105.3** Nasal tissue forceps  
110°, 3mm



**B6105.4** Nasal tissue forceps  
110°, 3mm



**B6106** Nasal tissue forceps  
70°, 3mm



**B6107** Nasal tissue forceps  
70°, 3mm



**B6067** Nasal septum elevator  
3,7x210x4,2mm



**B6607** Maxillary probe  
Ø2x190xØ1,3mm



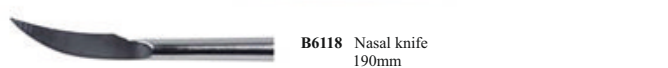
**B6607.1** Maxillary probe  
Ø1,4x210xØ2mm



**B6505.4** Nasal elevator  
210mm



**B6113** Nasal curette  
190mm




**B6118** Nasal knife  
190mm



# Laryngologia



## Skull base surgery kit



**B9100L** Nasal tissue forceps  
0°, 150mm

**B9101L** Nasal tissue forceps  
30°, 150mm

**B9102L** Nasal tissue forceps  
45°, 150mm

**B9103L** Nasal tissue forceps  
90°, 150mm

**B9104L** Nasal tissue forceps  
0°, 150mm, 3,5mm

**B9110.2** Nasal tissue cutting forceps  
0°, 140mm, 2mm

**B9015.2** Nasal tissue cutting forceps  
45°, 140mm, 2mm

**B9090** Nasal tissue forceps  
0°, 180mm, cup head 2,8mm

**B2534L** Nasal tissue cutting forceps,  
front biting  
0°, 150mm, 2mm

Nasal tissue cutting forceps, front biting  
**B2535L** 30°, 150mm, 2mm  
**B2536L** 45°, 150mm, 2mm

**B9092** Nasal tissue forceps  
0°, 180mm, 2mm

**B9093** Nasal tissue forceps  
30°, 180mm, 2mm


**B9105** Nasal tissue forceps  
0°, 180mm, 3,4mm

**B9106** Nasal tissue forceps  
45°, 180mm, 3,4mm

**B9107** Nasal tissue forceps  
180mm, Left 3,4mm

**B9108** Nasal tissue forceps  
80mm, Right 3,4mm

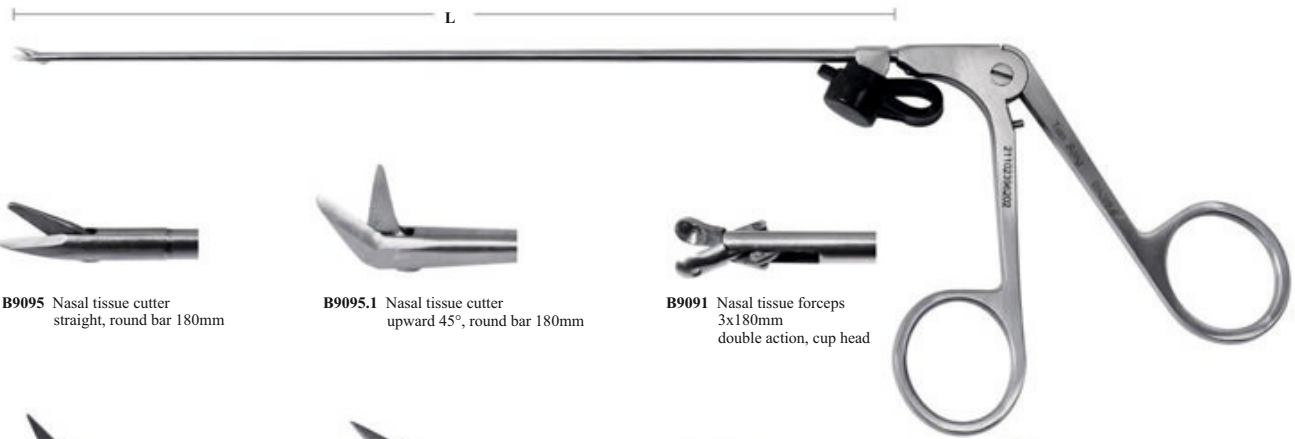
**B9086.1L** Basal-pharyngeal biopsy forceps  
3x150mm 70° indirect, long bowl 3x150mm, upward 70°





# Laryngologia

## Skull base surgery kit



**B9095** Nasal tissue cutter straight, round bar 180mm



**B9095.1** Nasal tissue cutter upward 45°, round bar 180mm



**B9091** Nasal tissue forceps 3x180mm double action, cup head



**B9095.2** Nasal tissue cutter upward 15°



**B9095.4** Nasal tissue scissors Ø2x230mm, Right



**B9095.5** Nasal tissue scissors Ø2x180mm, Left



**B9095.6** Nasal tissue scissors Ø2x180mm, Right



**B9109** Nasal tissue forceps



Elevator  
**B9202** 260mm, double heads  
**B9201** 45° upward, Ø 3x230mm



**B9203.1** Curette, side bend head, blunt, inner diameter 3x250mm



**B9203.2** Curette, blunt head 45°, inner diameter 3x250mm



Curette,  
**B9204.1** 5mm, 250 side bend head, blunt, inner diameter 5x250mm  
**B9204.2** 45°, 5mm, 250mm, blunt head, blunt, inner diameter 5x250mm



**B9204.2** Nasal curette 45°, 5mm, 250mm



**B9201** Nasal septum elevator 45°, Ø 3x230mm



**B9201.1** Elevator 45°, Ø 2,5x130mm



**B9204.3** Small curette 45°, Ø 2,5x130mm



**B9204.4** Large curette 45°, Ø 3x130mm



**B9209.1** Sickle knife Ø2x180mm, sharp head



**B9209.2** Sickle knife Ø2x180mm, blunt head



**B9214** Maxillary probe Ø 1,5x125mm



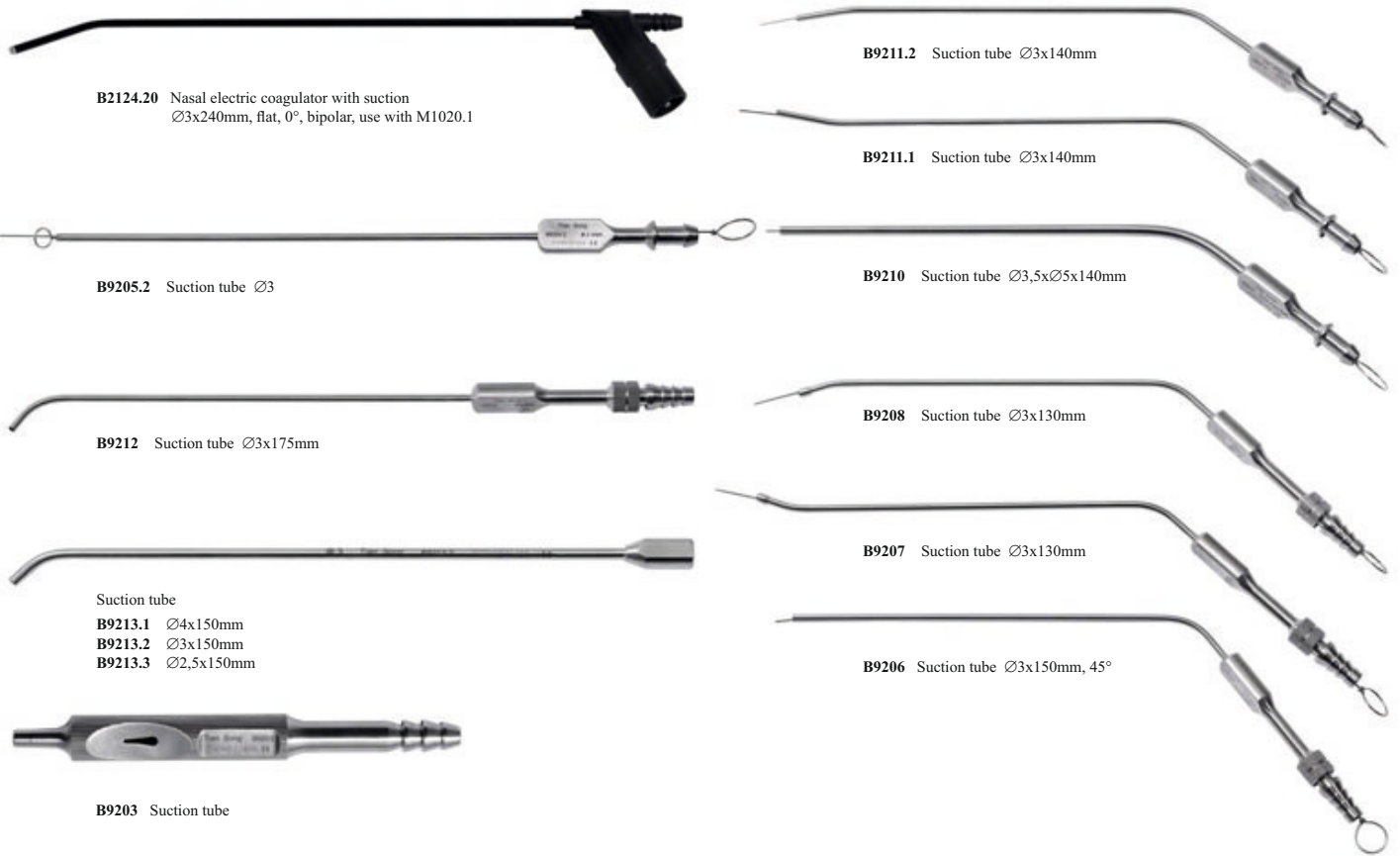
**B9215** Nasal probe Ø 1x130mm



# Laryngologia



## Skull base surgery kit



**B2124.20** Nasal electric coagulator with suction  
 Ø3x240mm, flat, 0°, bipolar, use with M1020.1

**B9211.2** Suction tube Ø3x140mm

**B9205.2** Suction tube Ø3

**B9211.1** Suction tube Ø3x140mm

**B9210** Suction tube Ø3,5xØ5x140mm

**B9212** Suction tube Ø3x175mm

**B9208** Suction tube Ø3x130mm

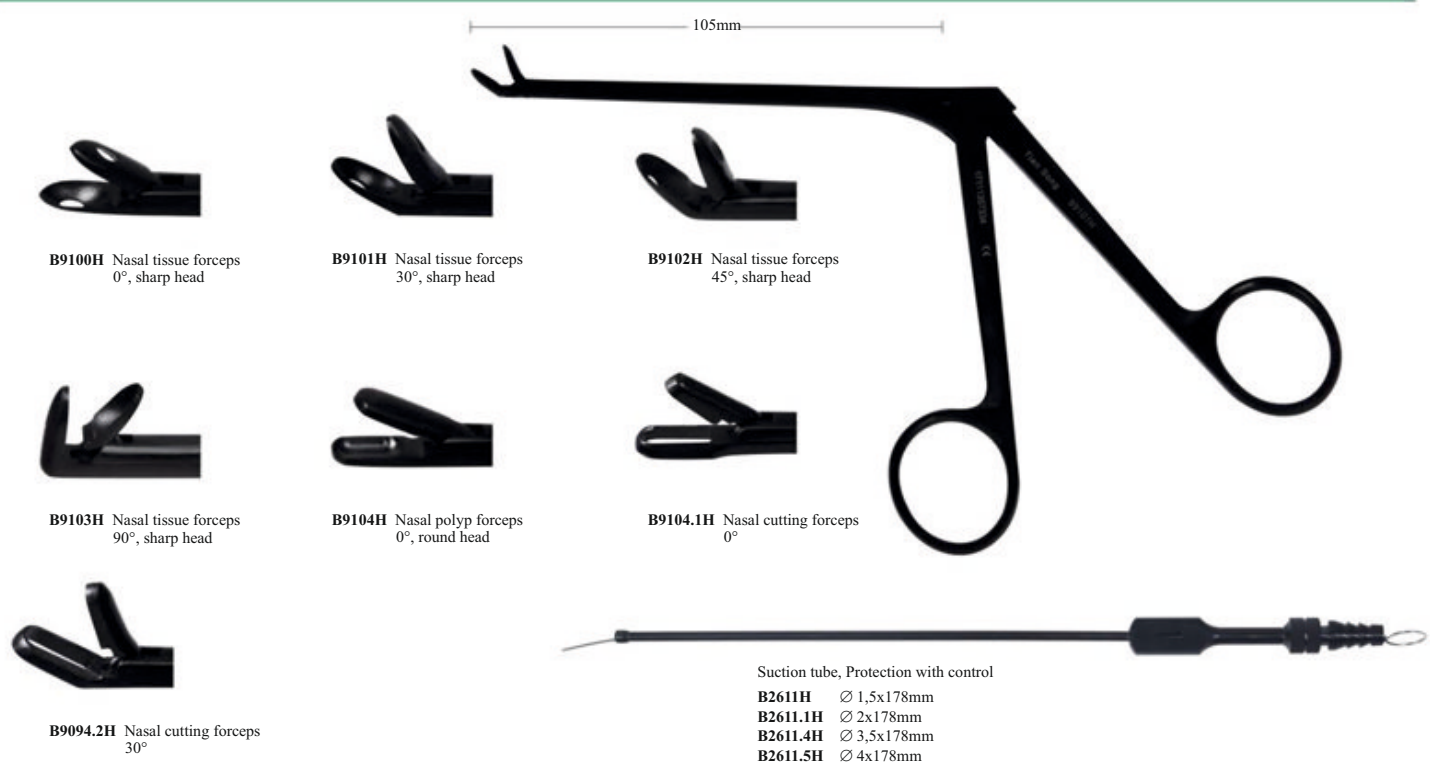
Suction tube  
**B9213.1** Ø4x150mm  
**B9213.2** Ø3x150mm  
**B9213.3** Ø2,5x150mm

**B9207** Suction tube Ø3x130mm

**B9206** Suction tube Ø3x150mm, 45°

**B9203** Suction tube

## Nasal instruments



105mm

**B9100H** Nasal tissue forceps  
 0°, sharp head

**B9101H** Nasal tissue forceps  
 30°, sharp head

**B9102H** Nasal tissue forceps  
 45°, sharp head

**B9103H** Nasal tissue forceps  
 90°, sharp head

**B9104H** Nasal polyp forceps  
 0°, round head

**B9104.1H** Nasal cutting forceps  
 0°

**B9094.2H** Nasal cutting forceps  
 30°

Suction tube, Protection with control  
**B2611H** Ø 1,5x178mm  
**B2611.1H** Ø 2x178mm  
**B2611.4H** Ø 3,5x178mm  
**B2611.5H** Ø 4x178mm



# Laryngologia

## Nasal operating forceps

105mm



Nasal tissue forceps  
**B2007.2** left-curved (Small)  
**B2008.2** right-curved (Small)



**B2019** Nasal biopsy forceps, straight  
 Ø3,5x110mm



Nasal tissue forceps, 0°  
**B2109** Open to left  
**B2110** Open to right



**B2095** Nasal tissue scissors  
 straight



**B2096** Nasal tissue scissors  
 left curved



**B2097** Nasal tissue scissors  
 right curved



**B2108** Nasal tissue forceps  
 0°, straight  
 open to up and down



Nasal grasping forceps  
**B2043** Downward 90°,  
 open to back 120°  
**B2043.2** Upward 90°,  
 open to back 120°



Nasal grasping forceps  
**B2043.1** Long curved, downward 115°,  
**B2043.3** Long curved, upward 115°



**B2043.6** Nasal grasping forceps  
 Downward 90°, back open 120°



**B2043.8** Nasal foreign forceps  
 115°, 120°



**B2105** Nasal tissue forceps 100°  
 open to left and right



**B2105A** Nasal tissue forceps 100°



**B2106** Nasal tissue forceps 70°  
 open to left and right



**B2107** Nasal tissue forceps 70°  
 open to front and back



**B2109.1** Nasal tissue forceps 110°



**B2099.4** Nasal rongeur  
 Back-biting, rotating





# Laryngologia



## Nasal operating forceps



Nasal tissue forceps  
**B2100-D** 0°, 105mm



Nasal tissue forceps  
**B2101** 30°, 105mm  
**B2101-D** 30°, 105mm



Nasal tissue forceps  
**B2102-D** 45°, 105mm



Nasal tissue forceps  
**B2103** 90°, 105mm



Polyp forceps of nasal cavity  
**B2104** 0°, 105mm  
**B2104-D** 0°, 105mm  
**B2080** 0°, 105mm



Open forceps of nasal ethmoid  
**B2081** 115mm



Open forceps of nasal ethmoid, 115mm  
**B2082** (L)  
**B2082.1** (S)



**B2085** 150mm  
Nasal-pharyngeal biopsy forceps,  
Straight



**B2086** 150mm  
Nasal-pharyngeal biopsy forceps,



**B2086.1** 70°, 125mm  
Nasal-pharyngeal biopsy forceps,  
Upward



**B2087** 180mm  
Nasal-pharyngeal biopsy forceps,  
Curved



**B2022** 130mm  
Nasal polyp ethmoid forceps



**B2023** 130mm  
Nasal polyp ethmoid forceps



**B2094.1** 0°, 105mm  
Cutting forceps of nasal ethmoid



**B2094.2** 30°, 105mm  
Cutting forceps of nasal ethmoid



**B2098** 105mm  
Nasal rongeur front-biting



**B2099**  
Back biting rongeur



Nasal cutting forceps  
**B2010.1** 4x140mm, 0°, 2,5mm  
**B2010.2** 3x140mm, 0°, 2mm



Nasal cutting forceps  
**B2011.1** 4x140mm, 30°, 2,5mm  
**B2011.2** 3x140mm, 30°, 2mm



Nasal cutting forceps  
**B2012.1** 4x140mm, 45°, 2,5mm  
**B2012.2** 3x140mm, 45°, 2mm



Nasal cutting forceps  
**B2013.1** 4x140mm, 0°, 2,5mm  
**B2013.2** 3x140mm, 0°, 2mm



Nasal cutting forceps  
**B2014.1** 4x140mm, 30°, 2,5mm  
**B2014.2** 3x140mm, 30°, 2mm



Nasal cutting forceps  
**B2015.1** 4x140mm, 45°, 2,5mm  
**B2015.2** 3x140mm, 45°, 2mm



# Laryngologia

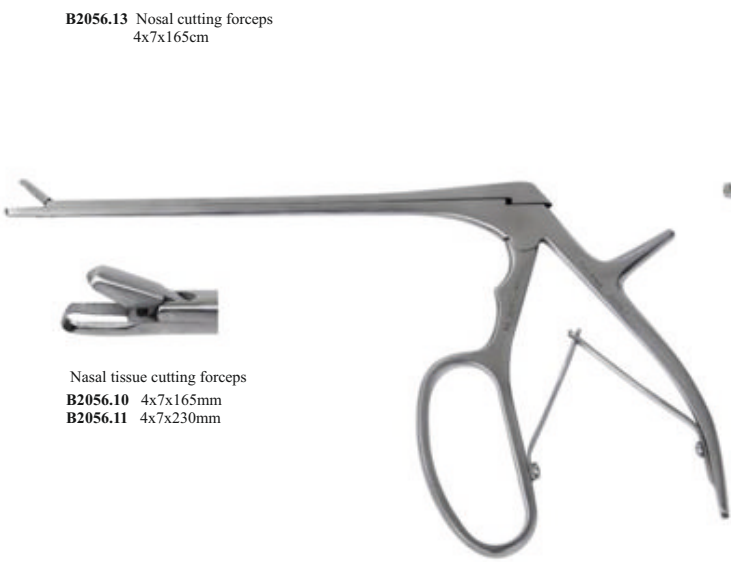
## Nasal operating forceps



**B2056.7** Nosal rongeur  
4x7x165cm



**B2303.3** Sphenoid rongeur  
60°, 3x140mm



**B2056.13** Nosal cutting forceps  
4x7x165cm



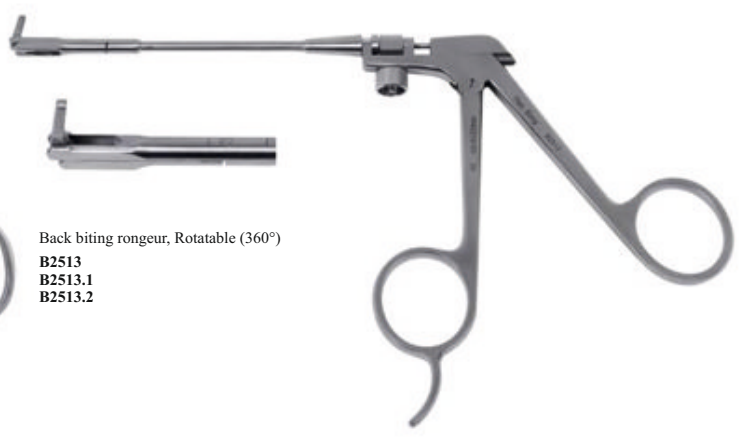
**B2056.12** Nosal cutting forceps  
4x4,5x105cm



Nasal tissue cutting forceps  
**B2056.10** 4x7x165mm  
**B2056.11** 4x7x230mm



Optical forceps  
**B2001** 0°/120mm  
**B2003** 70°/120mm



Back biting rongeur, Rotatable (360°)  
**B2513**  
**B2513.1**  
**B2513.2**

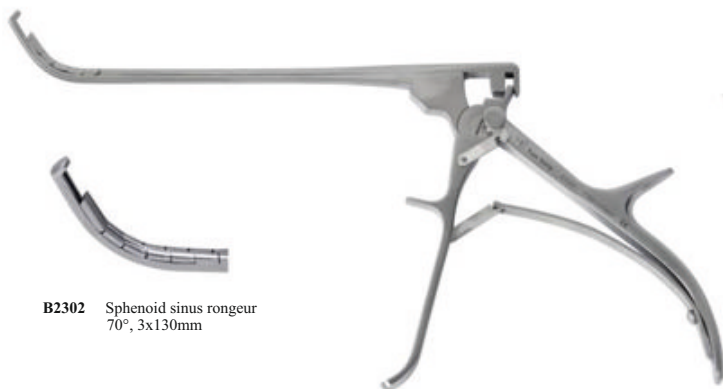




# Laryngologia



## Nasal operating forceps



**B2302** Sphenoid sinus rongeur  
70°, 3x130mm



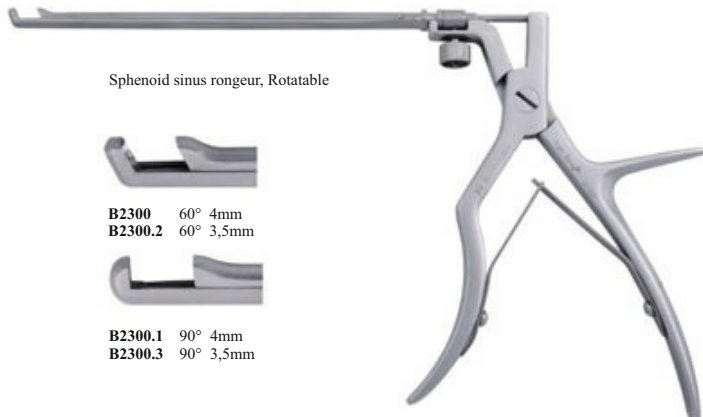
**B2302.1** Sphenoid sinus rongeur  
30°, 3x130mm



Nasal bipolar forceps  
Use with M1020.1 high frequency cord  
**B2125** 0°  
**B2125.1** Upward 20°



**B2550** Maxillary rongeur  
90°, x130mm



Sphenoid sinus rongeur, Rotatable

**B2300** 60° 4mm  
**B2300.2** 60° 3,5mm

**B2300.1** 90° 4mm  
**B2300.3** 90° 3,5mm



Sphenoid sinus rongeur  
**B2302.6** 70°, 2,2 Upward



Sphenoid sinus rongeur, Detachable/Rotatable

**B2301.2** 60° 3,5mm  
**B2301.4** 60° 3mm  
**B2301.6** 60° 2mm

**B2301.3** 90° 3,5mm  
**B2301.5** 90° 3mm  
**B2301.7** 90° 2mm



# Laryngologia

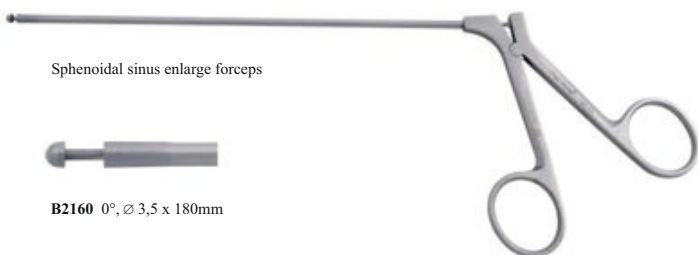
## Nasal operating forceps



Detachable suction polyp forceps, 0°  
**B2162.2** Ø4x140mm  
**B2162.3** Ø3x140mm



Nasal speculum  
**B1001** 30mm, Adult  
**B1002** 20mm, Pediatric



Sphenoidal sinus enlarge forceps  
**B2160** 0°, Ø 3,5 x 180mm



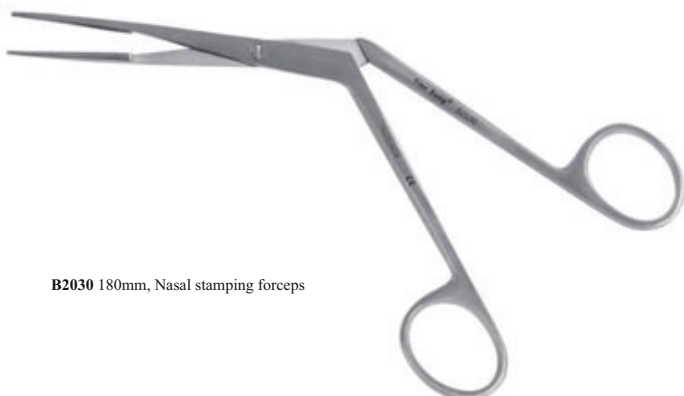
Adult nasal speculum  
**B1001.2** 30mm, Right - curved  
**B1001.3** 30mm, Left - curved



**B2160.1** 30°, Ø 3,5 x 180mm



Operation nasal speculum  
**B1003** 50mm,



**B2030** 180mm, Nasal stamping forceps



**B2071** Nasal bone resetting forceps

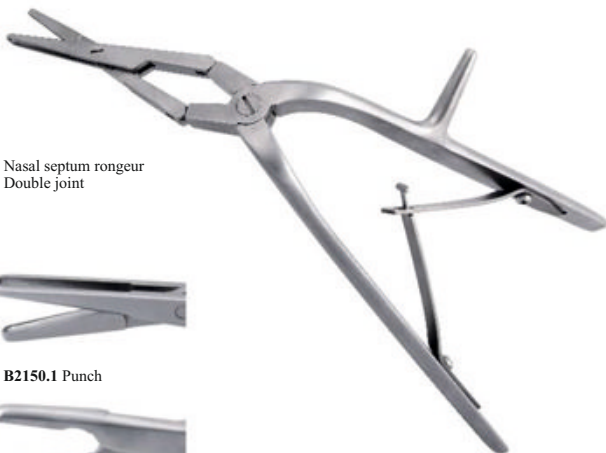


# Laryngologia



## Nasal instruments

Nasal septum rongeur  
Double joint



**B2150.1** Punch



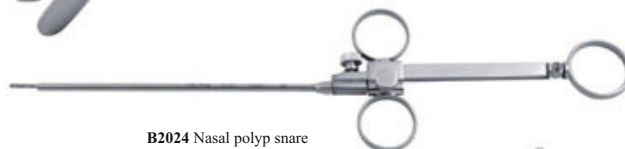
**B2150.2** Occlude



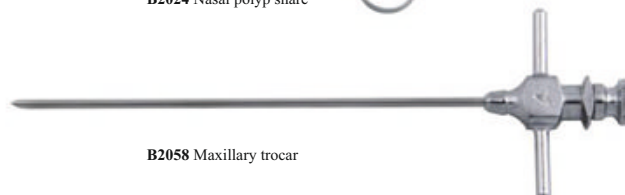
**B2032.1** Nasal mouth gag



**B2024** Nasal polyp snare



**B2058** Maxillary trocar



**B2031** Nasal mucosa knife



Sinus curette, without hole 15°  
**B2046.1** (L)  
**B2046.2** (M)  
**B2046.3** (S)



Sinus curette, without hole 30°  
**B2047.1** (L)  
**B2047.2** (M)  
**B2047.3** (S)



Sinus curette, without hole 45°  
**B2048.1** (L)  
**B2048.2** (M)  
**B2048.3** (S)



**B2112** Sinus curette, with hole



**B2049.4** 45° Sinus curette



Nasal septum elevator  
**B2062** 15°  
**B2063** 30°



**B2508** Cerumen hook  
Flat wide head, curved  
70°/Ø2x3mm



**B2507** Nasal probe  
Round head, curved  
Ø2,5mm



**B2062.1** 15° Nasal septum elevator,  
Long flat handle

**B2062.2** 0° Nasal septum elevator,  
Long flat handle





# Laryngologia

## Nasal instruments



Nasal septum elevator  
**B2067** Double heads, curved  
**B2067.1** One side straight, another side curved  
**B2067.4** 70mm



**B2067.2** Nasal foreign body hook & ring



**B2067.3** Nasal septum elevator  
 (Half round knife, double heads)



**B2067.6** Nasal septum elevator,  
 double heads, curved, S



**B2505.4** Double heads, one knife, one elevator



Elevator suction tube



**B2502.1** Ø3,5x75mm  
**B2502.6** Ø3,5x145mm  
**B2502.11** Ø3,5x75mm,  
 Suction head 360° rotatable



**B2502.2** Ø2,5x60mm  
**B2502.3** Ø3x80mm  
**B2502.4** Ø2,5x80mm



Nasal elevator  
 One side hole, rotatable  
**B2502.14** Ø3x70mm, 0°  
**B2502.15** Ø4,2x70mm, 0°  
**B2502.18** Ø3x70mm, 45°  
**B2502.19** Ø4,2x70mm, 45°



Nasal elevator  
 Two sides hole, rotatable  
**B2502.16** Ø3x70mm, 0°  
**B2502.17** Ø4,2x70mm, 0°  
**B2502.20** Ø3x70mm, 45°  
**B2502.21** Ø4,2x70mm, 45°



# Laryngologia



## Nasal instruments



Nasal curet  
**B2604** 2x6x90°



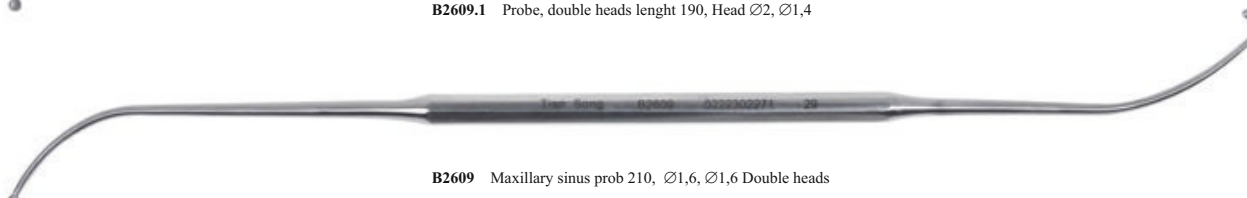
Nasal curet  
**B2604.1** 2x6x60°



Nasal curet  
**B2604.2** 2x6x45°



**B2609.1** Probe, double heads length 190, Head Ø2, Ø1,4



**B2609** Maxillary sinus prob 210, Ø1,6, Ø1,6 Double heads



Nasal curet, Suction



**B2602** Ø2,5x90°  
**B2602.5** Ø2,5x90°, 360° rotatable



**B2602.1** Ø2,5x60°  
**B2602.6** Ø2,5x60°, 360° rotatable



**B2602.2** Ø2,5x45°  
**B2602.7** Ø2,5x45°, 360° rotatable



**B2602.3** Ø2,5x40°  
**B2602.8** Ø2,5x40°, 360° rotatable



**B2603** Probe  
Ø2,5x60° suction



**B2220** Nasal probe



**B2120** Trocar Ø4,2x100mm



**B2121** Endoscope holder



# Laryngologia

## Nasal instruments



Nasal septum fish tail chisel, straight  
**B2059.2** (M)  
**B2059.3** (S)



Nasal septum fish tail chisel, bayonet shaped  
**B2060.2** (M)  
**B2060.3** (S)



**B2075** Nasal bone chisel  
Flat, curved



**B2076** Nasal bone chisel  
Bayonet shaped, half round



Nasal septum swivel knife, straight  
**B2068.1** 3mm  
**B2068.2** 4mm  
**B2068.3** 5mm



Nasal septum swivel knife, bayonet  
**B2069.1** 3mm  
**B2069.2** 4mm  
**B2069.3** 5mm



Barnhill adenoid curette, without hook  
**B2091.1** (L)  
**B2091.2** (M)  
**B2091.3** (S)



**B2163** Maxillary restorer, Double heads  
180mm



**B2031.1** Nasal cartilage knife, double heads (190mm)



**B2070** Nasal bone restorer



**B2031.2** Nasal cartilage knife, double heads



**B2070.1** Nasal bone restorer



**B2077** Nosepiece scissors  
Upperbound



**B2078** Nosepiece scissors  
Middlebound



**B2079** Nosepiece scissors  
Lowerbound



# Laryngologia



## Nasal suction tube



Maxillary suction tube, straight  
**B2015.3** ∅ 3 x 125mm  
**B2015.6** ∅ 4 x 125mm  
**B2015.15** ∅ 2,5 x 125mm  
**B2016.4** ∅ 4 x 175mm  
**B2016.5** ∅ 3 x 175mm  
**B2016.6** ∅ 2,5 x 175mm



**B2115.36A** Suction tube  
 ∅ 3 x 125mm



Suction tube, straight with controller and protection  
**B2611** ∅ 1,5 x 178mm  
**B2611.1** ∅ 2 x 178mm  
**B2611.2** ∅ 2,5 x 178mm  
**B2611.3** ∅ 3 x 178mm  
**B2611.4** ∅ 3,5 x 178mm  
**B2611.5** ∅ 4 x 178mm  
**B2611.6** ∅ 4,5 x 178mm  
**B2611.7** ∅ 5 x 178mm



Maxillary suction tube  
**B2115A** ∅ 3 x 125mm  
**B2115** ∅ 3 x 140mm  
**B2115.1** ∅ 4 x 140mm  
**B2115.2** ∅ 2,5 x 140mm  
**B2169** ∅ 3 x 140mm Curved flexible  
**B2169.1** ∅ 4 x 140mm Curved flexible



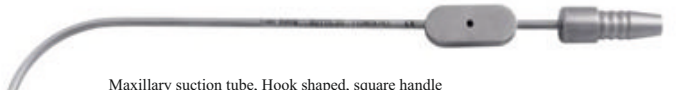
Maxillary suction tube, square handle  
**B2115.16** ∅ 2,5 x 110mm Straight  
**B2115.17** ∅ 3 x 110mm Straight  
**B2115.18** ∅ 4 x 110mm Straight



Maxillary suction tube  
**B2115.5** Straight handle ∅ 3 x 125mm  
**B2115.13** ∅ 4 x 125mm  
**B2115.21** ∅ 2,5 x 125mm



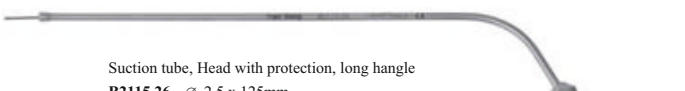
Maxillary suction tube  
**B2115.7** ∅ 4 x 125mm Curved, square handle  
**B2115.12** ∅ 2,5 x 125mm **B2115.14** ∅ 3,5 x 125mm **B2115.4** ∅ 3 x 125mm



Maxillary suction tube, Hook shaped, square handle  
**B2115.20** ∅ 2,5 x 140mm  
**B2115.22** ∅ 3 x 140mm  
**B2115.23** ∅ 4 x 140mm



Maxillary suction tube  
**B2115.8** ∅ 3,5 x 140mm hook sharpened  
**B2115.9** ∅ 3 x 125mm hook sharpened  
**B2115.10** ∅ 2,5 x 125mm hook sharpened



Suction tube, Head with protection, long handle  
**B2115.26** ∅ 2,5 x 125mm  
**B2115.27** ∅ 3 x 125mm  
**B2115.28** ∅ 4 x 125mm



**B2115.25** Suction tube  
 ∅ 2,5 x 110mm  
 Long handle, with adaptor



Suction tube  
**B2115.35** ∅ 2,5 x 125mm  
**B2115.36** ∅ 3 x 125mm  
**B2115.37** ∅ 4 x 125mm



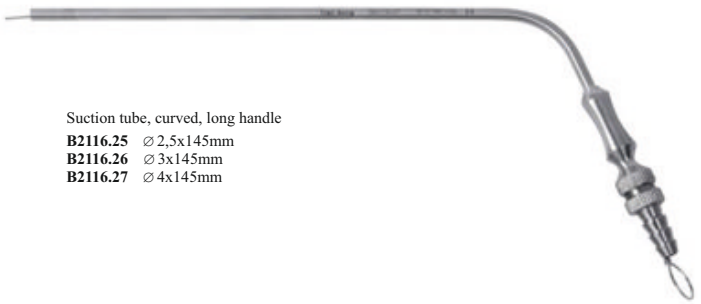
Suction tube, curved, square handle (150mm)  
**B2116.10** ∅ 4mm  
**B2116.11** ∅ 3mm  
**B2116.12** ∅ 2,5mm  
**B2116.13** ∅ 2,5mm, Head with protection  
**B2116.14** ∅ 3mm, Head with protection  
**B2116.15** ∅ 3,5mm, Head with protection  
**B2116.16** ∅ 4mm, Head with protection



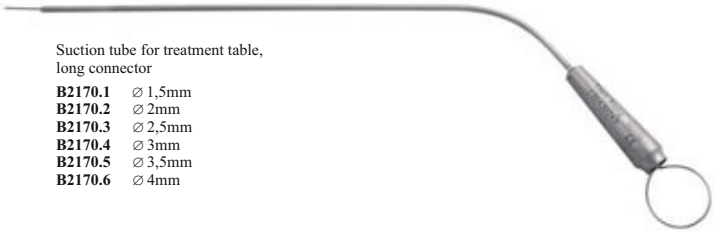
# Laryngologia

## Nasal suction tube

Suction tube, curved, long handle  
**B2116.25** ∅ 2,5x145mm  
**B2116.26** ∅ 3x145mm  
**B2116.27** ∅ 4x145mm



Suction tube for treatment table, long connector  
**B2170.1** ∅ 1,5mm  
**B2170.2** ∅ 2mm  
**B2170.3** ∅ 2,5mm  
**B2170.4** ∅ 3mm  
**B2170.5** ∅ 3,5mm  
**B2170.6** ∅ 4mm



Suction tube  
**B2116.30** ∅ 2,5x125mm  
**B2116.31** ∅ 3x125mm  
**B2116.32** ∅ 4x125mm



Elevator, with suction  
**B2117.1** ∅ 3mm  
**B2117.2** ∅ 4mm

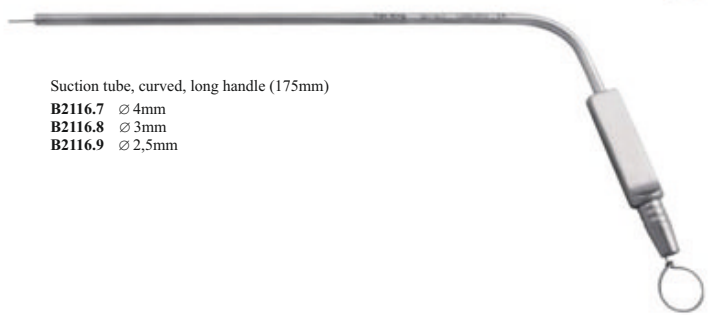


Suction tube, curved 175mm  
**B2116** ∅ 3,5x175mm  
**B2116.1** ∅ 4x175mm  
**B2116.2** ∅ 3x175mm  
**B2116.3** ∅ 2,5x175mm



Adaptor, for suction tube  
**B2170** For long connector

Suction tube, curved, long handle (175mm)  
**B2116.7** ∅ 4mm  
**B2116.8** ∅ 3mm  
**B2116.9** ∅ 2,5mm



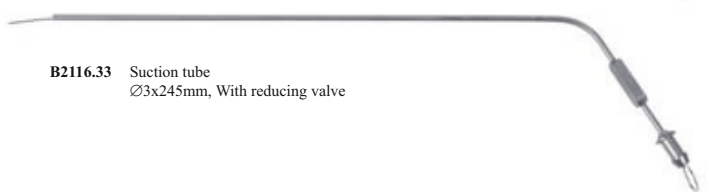
Nasal suction adaptor olive head  
**B2174.1** ∅ 12  
**B2174.2** ∅ 13  
**B2174.3** ∅ 14



**B2175** Nasal suction adaptor



**B2116.33** Suction tube  
 ∅3x245mm, With reducing valve



Nasal mastoid suction tube, straight (∅5x135mm)  
**B2511.1** ∅ 5mm  
**B2511.2** ∅ 4mm  
**B2511.3** ∅ 3mm  
**B2511.4** ∅ 4,5mm  
**B2511.5** ∅ 3,5mm  
**B2511.15** ∅ 2,5mm



Nasal mastoid suction tube, curved (∅ 5 x 140mm)  
**B2512.1** ∅ 5mm  
**B2512.2** ∅ 4mm  
**B2512.3** ∅ 3mm  
**B2512.4** ∅ 4mm  
**B2512.6** ∅ 5 x 120mm  
**B2512.7** ∅ 3,5 x 120mm  
**B2512.8** ∅ 3 x 130mm







# Laryngologia



## BD Nasal power drill



B3007 Hand piece

B5001 Control unit

B5002 Foot pedal



Cutting blade



B3005.1 Ø4mm  
Oblique with tooth



B3005.2 Ø4mm  
Oblique without tooth



B3005.3 Ø4mm  
Flat with tooth inside & outside



B3005.4 Ø4mm  
Ball shaped



Cutting blade



Oblique with tooth on obverse side, Ø4,5mm  
B3005.5 20°  
B3005.7 40°  
B3005.9 60°  
B3005.11 75°



Oblique with tooth on inverse side, Ø4,5mm  
B3005.6 20°  
B3005.8 40°  
B3005.10 60°  
B3005.12 75°



B3003 Irrigation head

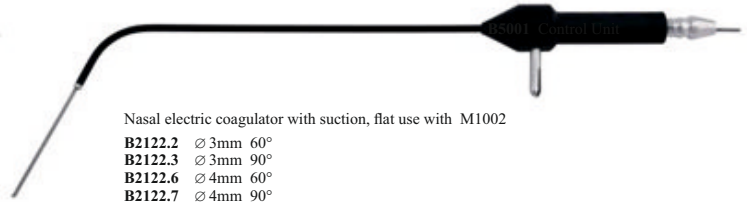


# Laryngologia

## Nasal electric coagulator with suction



Nasal electric coagulator with suction, flat use with M1002  
**B2122** ∅ 3mm  
**B2122.4** ∅ 4mm



Nasal electric coagulator with suction, flat use with M1002  
**B2122.2** ∅ 3mm 60°  
**B2122.3** ∅ 3mm 90°  
**B2122.6** ∅ 4mm 60°  
**B2122.7** ∅ 4mm 90°



**B2122.8** Nasal electric coagulator with suction  
 Slightly curved ∅ 3,4 x 130mm



Nasal electric coagulator with suction, flat use with M1002  
**B2122.1** ∅ 3mm 50°  
**B2122.5** ∅ 4mm 50°



Nasal electric coagulator with suction, flat, bipolar use with B 1006  
 (0°/170mm/B 1006)  
**B2124** ∅ 4mm  
**B2124.3** ∅ 3mm  
**B2124.5** ∅ 5mm



**B2124.7a** Electric coagulator, ∅ 5x170mm  
 Bipolar with suction



Nasal electric coagulator with suction, flat, bipolar use with B 1006  
 (170mm/B 1006)  
**B2124.1** ∅ 4mm 15°  
**B2124.4** ∅ 3mm 15°  
**B2124.7** ∅ 5mm 15°



Electric coagulator  
**B2128**

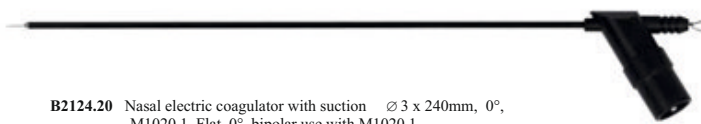


Nasal electric coagulator with suction, flat, bipolar, curved use with B1006  
**B2124.2** ∅ 4mm 30°  
**B2124.6** ∅ 5mm 45°

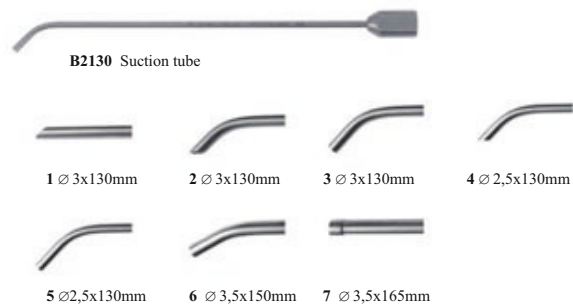


**B2129** Electric coagulator

1 ∅ 3,5x130mm    2 ∅ 3x130mm    3 ∅ 3x140mm    4 ∅ 3x140mm  
 5 ∅ 3x140mm    6 ∅ 3x140mm



**B2124.20** Nasal electric coagulator with suction ∅ 3 x 240mm, 0°, M1020.1, Flat, 0°, bipolar use with M1020.1



**B2130** Suction tube

1 ∅ 3x130mm    2 ∅ 3x130mm    3 ∅ 3x130mm    4 ∅ 2,5x130mm  
 5 ∅ 2,5x130mm    6 ∅ 3,5x150mm    7 ∅ 3,5x165mm

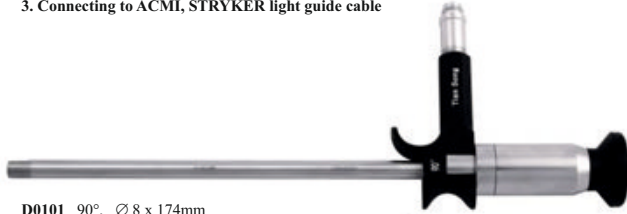


# Laryngologia



## Laryngoscope

- 1. Connecting to TIANSONG light guide cable
- Connecting to OLYMPUS light guide cable
- Connecting to STORZ light guide cable
- 2. Connecting to WOLF light guide cable
- 3. Connecting to ACMI, STRYKER light guide cable



**D0101** 90°, Ø 8 x 174mm



Tele - laryngoscope  
**D0102** 90°, Ø 8 x 174mm  
**D0103** 70°, Ø 8 x 178mm  
**D0110** 70°, Ø 5 x 175mm



**D0104.1** 70°, Ø 8 x 170mm  
**D0112** 70°, Ø 8 x 170mm  
 134°C 2 bar Autoclave



**D0105** 70°, Ø 5 x 175mm  
**D0105.1** D0201 70°, Ø 5 x 175mm  
 134°C 2 bar Autoclave

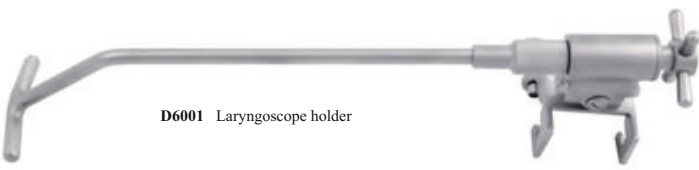


**D0201** 70°, Ø 8 x 188mm

Side viewing Laryngoscope

**D0116** 12°, Ø 4 x 185mm  
**D0117** 0°, Ø 4 x 183mm

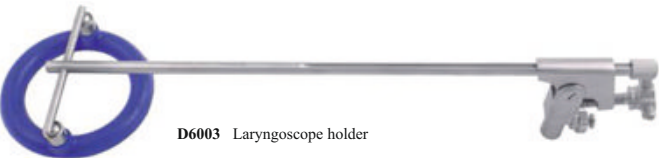
## Self-retaining laryngoscopy set



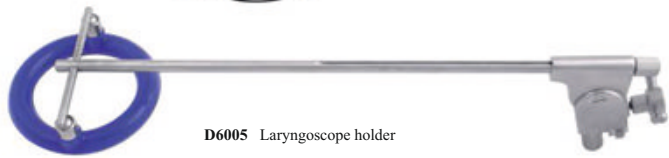
**D6001** Laryngoscope holder



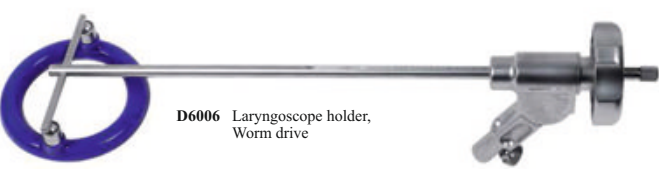
Light guide cable  
 Screw adaptor  
**D1050** Ø 2,5 x 1700mm  
**J5010** Ø 1,8 x 1700mm  
 Click adaptor  
**T5013** Ø 1,8 x 1700mm  
**T5014** Ø 2,5 x 1700mm



**D6003** Laryngoscope holder



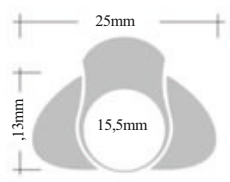
**D6005** Laryngoscope holder



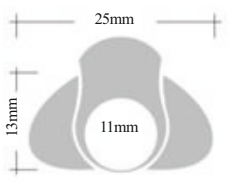
**D6006** Laryngoscope holder,  
 Worm drive



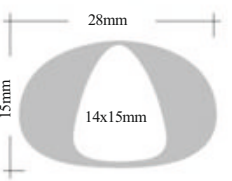
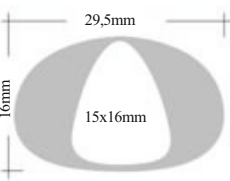
**D6008** Laryngoscope holder,  
 Worm drive



Oval (L)



Oval (S)



**D1017H** Laryngoscope tube



# Laryngologia

## Self-retaining laryngoscopy set



**D1017** Laryngoscope tube , 12 (L)



**D1017.1** Laryngoscope tube , 12 (S)



**D1018** Laryngoscope tube , 12 D6008



**D1013.6** Laryngoscope tube



**D1013.5** Laryngoscope tube



**D2105** Laryngoscope tube



Laryngoscope tube for 12° endoscope  
**D1013.1** (L) 175mm  
**D1014.1** (S) 175mm  
**D1014.3** (S) 175mm



Laryngoscope tube for 0° endoscope  
**D1013** (L) 175mm  
**D1014** (S) 175mm



Laryngoscope tube  
**D1011** (L) 175mm  
**D1012** (S) 175mm



Laryngoscope tube  
**D2103** (L) 11 x 150mm  
**D2104** (S) 11 x 130mm



Direct laryngoscope tube  
**D2076.1** (L) 16 x 175mm  
**D2076.2** (M) 14 x 175mm  
**D2076.3** (S) 12 x 175mm



Lateral laryngoscope tube  
**D2077.1** (L) 16 x 175mm  
**D2077.2** (M) 14 x 150mm  
**D2077.3** (S) 12 x 100mm

## Laryngeal instruments



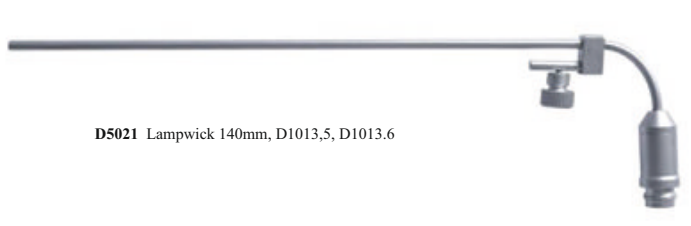
**D5020.5** Lampwick



**D5020.4** D1017 Lamp-wick



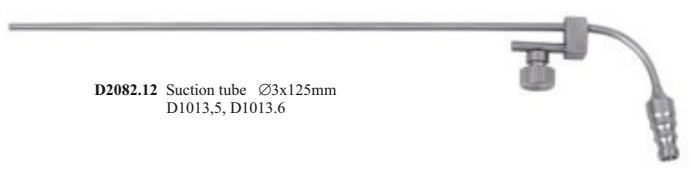
**D5020.1S** Lampwick Ø3mm D2105



**D5021** Lampwick 140mm, D1013,5, D1013.6



**D2082.11** Suction tube Ø3x75mm D2105



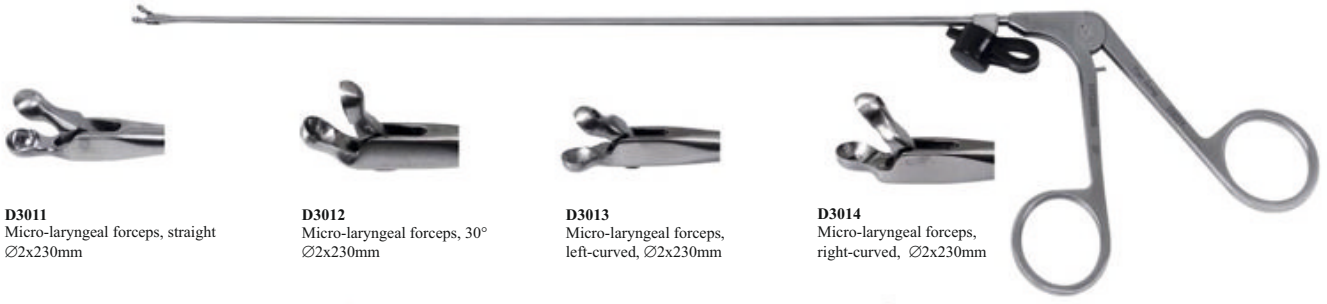
**D2082.12** Suction tube Ø3x125mm D1013,5, D1013.6



# Laryngologia



## Laryngeal operating forceps



**D3011**  
Micro-laryngeal forceps, straight  
Ø2x230mm

**D3012**  
Micro-laryngeal forceps, 30°  
Ø2x230mm

**D3013**  
Micro-laryngeal forceps,  
left-curved, Ø2x230mm

**D3014**  
Micro-laryngeal forceps,  
right-curved, Ø2x230mm



Micro-laryngeal forceps  
**D3015** 45°, Ø2x230mm  
**D3016** 45°, Ø2x230mm  
**D3017** 45°, Ø2x230mm



**D3018**  
Micro-laryngeal forceps, 0°  
triangular head  
Ø2x230mm



**D3019**  
Micro-laryngeal forceps, 45°  
triangular head  
Ø2x230mm



**D3020**  
Micro-laryngeal forceps, 0°  
triangular head, with tooth  
Ø2x230mm



**D3020.1**  
Micro-laryngeal forceps, 45°  
triangular head, with tooth  
Ø2x230mm



**D3020.2**  
Micro-laryngeal forceps  
Ø2x230mm, Left



**D3020.3**  
Micro-laryngeal forceps  
Ø2x230mm, Right



**D3021**  
Micro-laryngeal scissors  
Ø2x230mm



Micro-laryngeal scissors  
**D3022** Ø2x230mm  
**D3023** Ø2x230mm



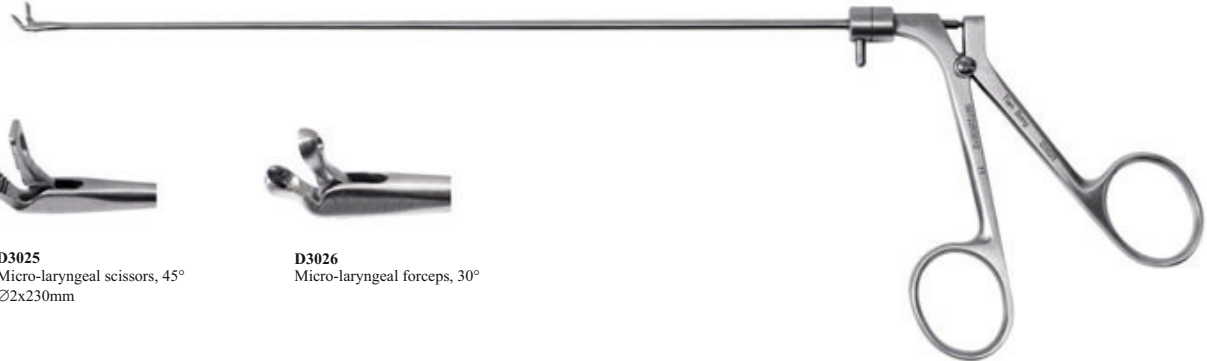
**D3024**  
Micro-laryngeal scissors, 15°



**D3024.1**  
Micro-laryngeal scissors, 45°



**D3030**  
Micro-laryngeal forceps  
Ø3,4x270mm



**D3025**  
Micro-laryngeal scissors, 45°  
Ø2x230mm



**D3026**  
Micro-laryngeal forceps, 30°



**D3029**  
Needle holder





# Laryngologia

## Laryngeal operating forceps

|   |  |  |   |  |
|---|--|--|---|--|
|           |   |   |  |  |
| <b>D3011H</b> Ø2x230mm  | <b>D3012H</b> 30°, Ø2x230mm  | <b>D3013H</b> Ø2x230mm, left-curved<br><b>D3014H</b> Ø2x230mm, right-curved        |   |  |
|           |   |   |   |   |
| <b>D3015H</b> 45°, Ø2x230mm<br><b>D3016H</b> 45°, Ø2x230mm<br><b>D3017H</b> 45°, Ø2x230mm | <b>D3018H</b> 0°, Ø2x230mm   | <b>D3019H</b> 45°, Ø2x230mm  | <b>D3020H</b> 0°, Ø2x230mm  | <b>D3020.1H</b> 45°, Ø2x230mm  |
|          |  |  |  |  |
| <b>D3021H</b> Ø2x230mm  | <b>D3022H</b> Ø2x230mm   | <b>D3023H</b> Ø2x230mm   | <b>D3024H</b> 15°, Ø2x230mm   | <b>D3024.1H</b> 45°, Ø2x230mm  |

|  |   |   |  |  |
|--|---|---|--|--|
|  |  |  |  |  |
| <b>D3025H</b> 45°, Ø2x230mm  | <b>D3026H</b> 30°, Ø2x230mm   |   |  |  |

|  |   |   |  |   |  |
|--|---|---|--|---|--|
|  |  |  |  |  |  |
| <b>D3046H</b> Laryngeal forceps, Left  | <b>D3047H</b> Laryngeal forceps, Right kidney shaped                                | <b>D3051H</b> Laryngeal forceps, 230mm, Cup head                                    | <b>D3085.2H</b> Laryngeal forceps, 30°, Ø4x230mm                                     |   |  |

|  |   |  |  |  |
|--|---|--|--|--|
|  |  |  |  |  |
| <b>D3029H</b> Needle holder 2x230mm  |   |  |  |  |



# Laryngologia



## Laryngeal instruments



**D2001** Micro-laryngeal forceps, straight

**D2002** 30°, Micro-laryngeal forceps

**D2005** 45°, Micro-laryngeal forceps, with tooth



**D2006** Micro-laryngeal forceps, cutting



**D2007** Micro-laryngeal forceps, biopsy



**D2009** Micro-laryngeal forceps, grasping



**D2010** 0°, Micro-laryngeal forceps triangular head



**D2011** 45°, Micro-laryngeal forceps, triangular head



**D2012** Micro-laryngeal scissors, straight



Micro-laryngeal scissors  
**D2013** left-curved  
**D2014** right-curved



Micro-laryngeal scissors  
**D2015** 15°  
**D2016** 45°



**D2078** (250mm) Laryngotome



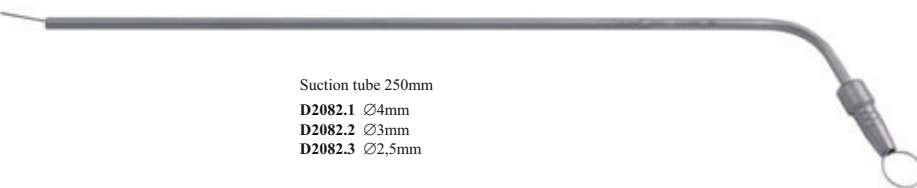
**D2079** (250mm) Laryngeal needle



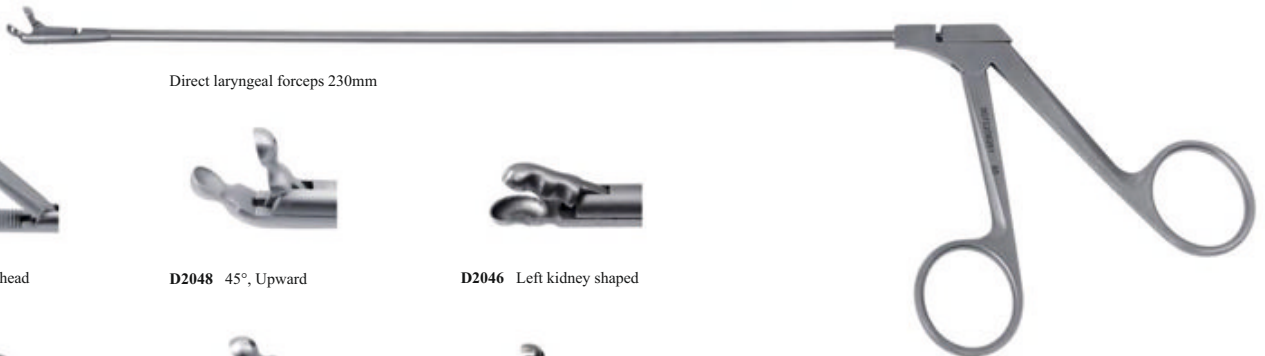
**D2080** (250mm) Laryngeal hook



**D2081** (250mm) Handle



Suction tube 250mm  
**D2082.1** Ø4mm  
**D2082.2** Ø3mm  
**D2082.3** Ø2,5mm



Direct laryngeal forceps 230mm



**D2045** Crocodile head



**D2048** 45°, Upward



**D2046** Left kidney shaped



**D2047** Right kidney shaped



**D2051** Cup head



Cup head 30°  
**D2085.1** Ø5mm  
**D2085.2** Ø4mm  
**D2085.3** Ø3mm



# Laryngologia

## Laryngeal instruments



**D2058.1** Tonsil forceps  
6,5x17mm



**D2058.2** Tonsil forceps  
5,5x15mm



**D2057** Tonsil gland scissors



Tonsil holding forceps, 220mm  
**D2058** Angled with 3 claws  
**D2059** Angled with teeth



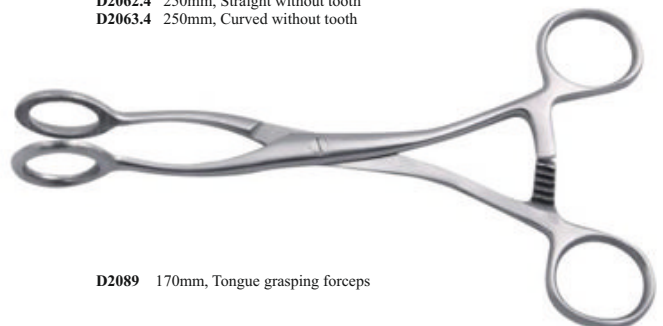
Tonsil hemostat 180mm  
**D2060** Micro curved  
**D2061** Angled curved  
**D2061.1** Micro curved 200mm



Tonsil sponge forceps 180mm  
**D2062** Straight groove  
**D2063** Curved groove  
**D2062.1** Straight without groove  
**D2063.1** Curved without groove  
**D2062.4** 250mm, Straight without tooth  
**D2063.4** 250mm, Curved without tooth



**D2068** 180mm, Thyroid scissors



**D2089** 170mm, Tongue grasping forceps



**D2064** Tonsil elevator



**D2067** Tonsil retractor, elevator, double heads



Tonsil retractor  
**D2065** 2 claws, blunt head  
**D2065.1** 2 claws, sharp head



**D2066.1** Tonsil knife





# Laryngologia



## Laryngeal instruments



**D2080.1** Tying holder  $\varnothing$ 3x220mm



**B1006 240mm**  
Laryngeal electric coagulator with suction bipolar  
**D2097**  $\varnothing$ 5x240mm, 45° flat  
**D2097.1**  $\varnothing$ 3x240mm, 45°  
**D2097.2**  $\varnothing$ 4x240mm, 45°



**M1002 230mm**  
Laryngeal electric coagulator with suction  
**D2093.1**  $\varnothing$ 3,5mm  
**D2093.2**  $\varnothing$ 2,5mm  
**D2093.3**  $\varnothing$ 2mm  
**D2093.5**  $\varnothing$ 4mm



**M1002 230mm**  
Laryngeal electric hook  
**D2094.1**  $\varnothing$ 3,5mm  
**D2094.2**  $\varnothing$ 2,5mm



**200mm**  
Laryngeal electric coagulator with suction  
**D2093.6**  $\varnothing$ 3mm



**200mm**  
Laryngeal electric coagulator with suction  
**D2093.7**  $\varnothing$ 3mm



**200mm**  
Laryngeal electric hook  
**D2094.5**  $\varnothing$ 3mm



**200mm**  
Laryngeal electric hook  
**D2094.6**  $\varnothing$ 3mm



**200mm**  
Laryngeal electric hook  
**D2094.7**  $\varnothing$ 3mm



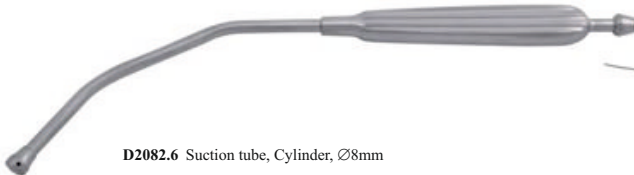
**250mm**  
Laryngeal electric hook  
**D2094.8**  $\varnothing$ 3mm



**D2082.5** Suction tube, Cylinder,  $\varnothing$ 6mm



**D2087** Tonsil needle, curved



**D2082.6** Suction tube, Cylinder,  $\varnothing$ 8mm



**D2088** Tonsil needle, straight



**D2082.10** Suction tube, ball,  $\varnothing$ 12mm



**D2095** Thyroid retractor, double heads



# Laryngologia

## Laryngeal instruments



260mm  
Polyp forceps of vocal cord  
**D2021** Rotating head



45°, 260mm  
Special polyp forceps of vocal cord  
**D2026** Open to front  
**D2027** Open to back  
**D2028** Open to left  
**D2029** Open to right



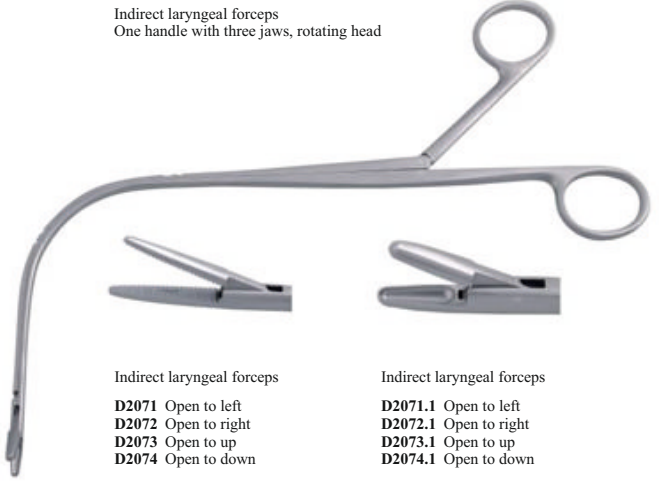
260mm  
Fish bone catching forceps  
**D2039** Rotating head  
**D2040** Open to to left & right



**D2070** 260mm  
Indirect laryngeal forceps  
One handle with three jaws, rotating head



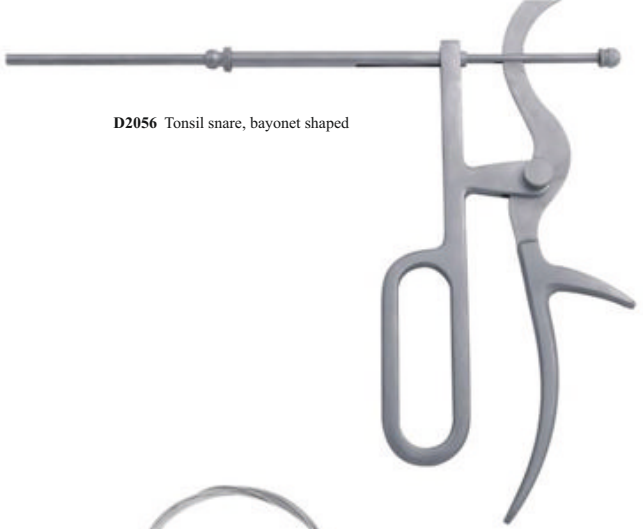
260mm  
Fish bone catching forceps, new type  
**D2040.1** Curved, open to up  
**D2040.2** Open to left



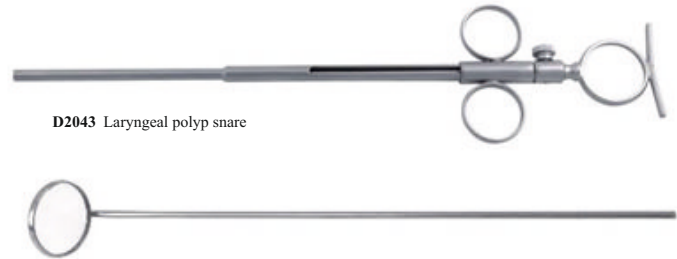
Indirect laryngeal forceps  
**D2071** Open to left  
**D2072** Open to right  
**D2073** Open to up  
**D2074** Open to down  
Indirect laryngeal forceps  
**D2071.1** Open to left  
**D2072.1** Open to right  
**D2073.1** Open to up  
**D2074.1** Open to down



**D2044** Tonsil guillotine, three heads



**D2056** Tonsil snare, bayonet shaped



**D2043** Laryngeal polyp snare



Tonsil wire  
**K6001.3** Ø0,4mm/2mm D2043  
**K6001.4** Ø0,45mm/2mm D2056

Pharyngoscope  
**D1015.1** 12mm, 19cm  
**D1015.2** 14mm, 19cm  
**D1015.3** 16mm, 19cm  
**D1015.4** 18mm, 19cm  
**D1015.5** 20mm, 19cm  
**D1015.6** 22mm, 19cm  
**D1015.7** 24mm, 19cm



# Laryngologia



## Laryngeal instruments



Mouth- gag



D2052.2 (5x1)  
Mouth-gag



D2052.1 (4x1)  
Mouth-gag



D2052.2 (5x1)  
Mouth-gag



D2053 Mouth-gag



D2053.1 Mouth-gag



D2053.2 Mouth-gag



D2053.4 (5x1)  
Mouth-gag



D2053.5 (4x1)  
Mouth-gag



D2053.3 Mouth-gag



D2053.6 (5x1)  
Mouth-gag



Mouth- gag  
D2075 (L)  
D2075.1 (M)  
D2075.2 (S)



# Laryngologia

## Bronchoscopy instruments



- Pediatric bronchoscope tube
- J1041     $\varnothing 4,2 \times 250 \text{mm}$
- J1042     $\varnothing 4,6 \times 250 \text{mm}$
- J1043     $\varnothing 5,2 \times 260 \text{mm}$
- J1044     $\varnothing 5,6 \times 260 \text{mm}$
- J1045     $\varnothing 6,3 \times 260 \text{mm}$
  
- J1046    Endoscope introducer
- J1046.1    Endoscope introducer
- J1047    Reducer
- J1048    Injection tube
- J1049    Instrument guide cap
- J1050    Obturator
- J1051    Adaptor for breathing machine
- J1052    Window adaptor
- J1053    Sealing cap
- J5001    (90°) Prismatic light deflector
- J0210    Endoscope 0°,  $\varnothing 3 \times 358 \text{mm}$
- J0312    Endoscope 0°,  $\varnothing 4 \times 302 \text{mm}$
- J2211    Optical forceps,  $\varnothing 3 \times 330 \text{mm}$  J0210
- J2212    Optical forceps,  $\varnothing 4,3 \times 330 \text{mm}$  J0210

J0312  
J0210

J2211

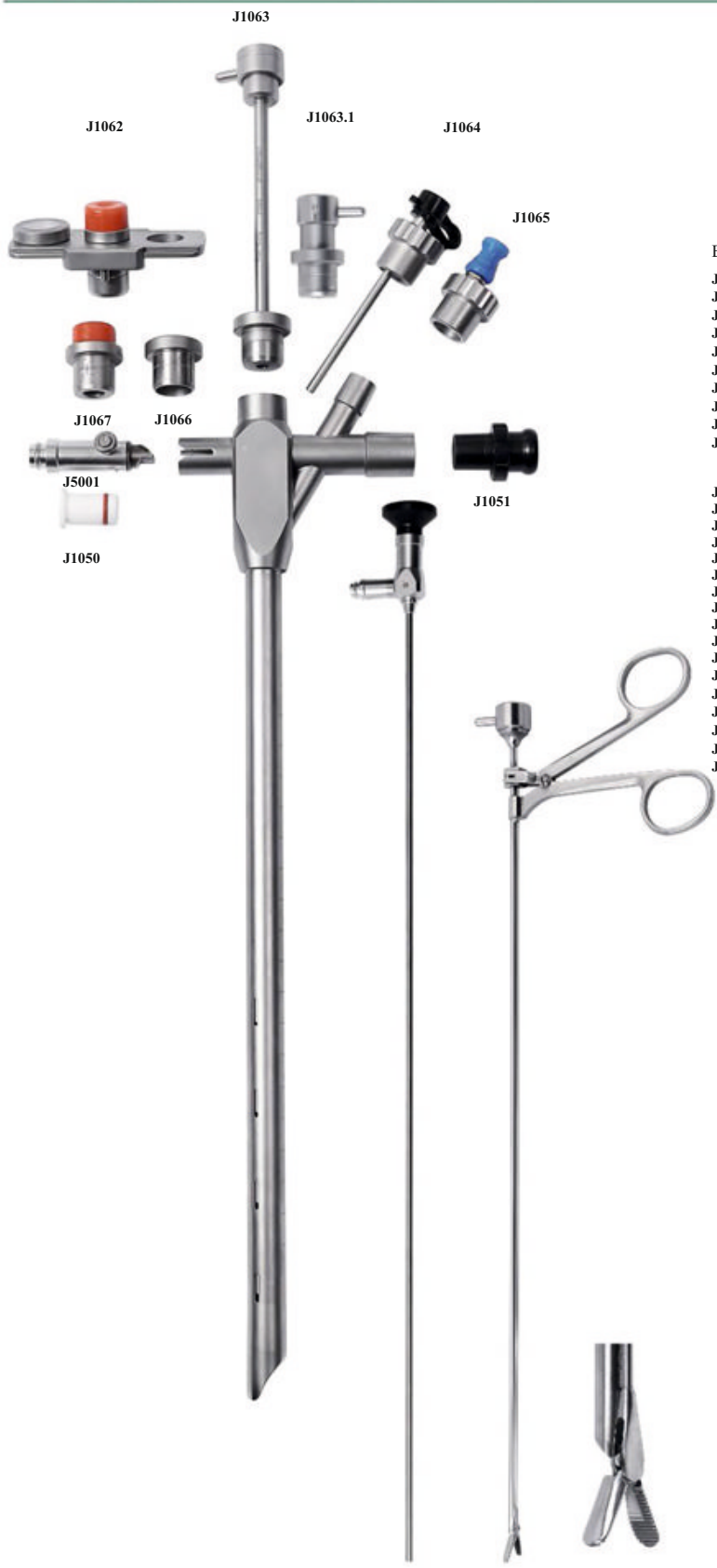
J2212



# Laryngologia



## Bronchoscopy instruments



**Bronchoscope tube**

|                  |             |                 |             |
|------------------|-------------|-----------------|-------------|
| <b>J1061.10A</b> | Ø9,2x330mm  | <b>J1061.10</b> | Ø9,2x430mm  |
| <b>J1061.9A</b>  | Ø9,7x330mm  | <b>J1061.9</b>  | Ø9,7x430mm  |
| <b>J1061.8A</b>  | Ø10,2x330mm | <b>J1061.8</b>  | Ø10,2x430mm |
| <b>J1061.7A</b>  | Ø10,7x330mm | <b>J1061.7</b>  | Ø10,7x430mm |
| <b>J1061.6A</b>  | Ø11,2x330mm | <b>J1061.6</b>  | Ø11,2x430mm |
| <b>J1061.5A</b>  | Ø11,7x330mm | <b>J1061.5</b>  | Ø11,7x430mm |
| <b>J1061.4A</b>  | Ø12,2x330mm | <b>J1061.4</b>  | Ø12,2x430mm |
| <b>J1061.3A</b>  | Ø12,8x330mm | <b>J1061.3</b>  | Ø12,8x430mm |
| <b>J1061.2A</b>  | Ø13,5x330mm | <b>J1061.2</b>  | Ø13,5x430mm |
| <b>J1061.1A</b>  | Ø14x330mm   | <b>J1061.1</b>  | Ø14x430mm   |

- J1062** Reducer
- J1063** Endoscope introducer J0310, 330
- J1063.1** Endoscope introducer A0010D, 330
- J1063.2** Endoscope introducer J0310, 430
- J1064** Injection tube
- J1065** Instrument guide cap
- J1066** Window adaptor
- J1067** Sealing cap
- J1050** Obturator
- J1051** Reducer
- J5001** (90°) Prismatic light deflector
- J0310** Endoscope 0°, Ø4,5x550mm
- J0311** Endoscope 0°, Ø4x430mm
- J2213** Optical forceps, Ø6,5x410mm A0010D
- J2214** Optical forceps, Ø6,5x410mm A0010D
- J2215** Optical forceps, Ø7x530mm J0310
- J2216** Optical forceps, Ø7x530mm J0310

J0311  
J0310

J2213  
J2215

J2214  
J2216

## Bronchoscopy instruments

### Bronchoscope tube



Bronchoscope tube  
Fibers inside for illumination

- J1011** ∅ 4 x 260mm
- J1012** ∅ 4,5 x 280mm
- J1013** ∅ 5 x 280mm
- J1014** ∅ 5,5 x 280mm
- J1015** ∅ 6 x 300mm



Saw-toothed head  
**J2001** ∅ 2,7 x 360mm  
**J2001.1** ∅ 2,7 x 460mm



**J2001.2** New Saw-toothed head  
∅ 2,7 x 360mm



**J2002** Ring head  
∅ 2,7 x 360mm



**J2003** Cup head  
∅ 2,7 x 360mm



**J2003.2** New Cup head  
∅ 2,7 x 360mm



Triticeus head  
**J2006** ∅ 2,7 x 360mm  
**J2006.1** ∅ 2,7 x 460mm



**J2006.2** New Triticeus head  
∅ 2,7 x 360mm



Crocodile head  
**J2007** ∅ 2,7 x 360mm  
**J2007.1** ∅ 2,7 x 460mm



**J2007.2** New Crocodile head  
∅ 2,7 x 360mm



**J2008** Pen-sheath-carrying  
∅ 2,7 x 360mm



**J2010** Ball-carrying  
∅ 2,7 x 360mm



New Ball-carrying  
**J2010.2** ∅ 2,7 x 360mm  
**J2010.4** ∅ 2,7 x 460mm



**J2011** Sharp head  
∅ 2,7 x 360mm



**J2010.1** Ball-carrying serrated  
∅ 2,7 x 360mm



### Foreign body forceps



**J2005** ∅ 2,7 x 360mm  
With three claws



**J2009** ∅ 2,7 x 360mm  
Pen-sheath-carrying, with three claws



**J2012** With two claws  
∅ 2,7 x 360mm



**J2013** ∅ 2,7 x 360mm  
Ring sharped



**J2015** ∅ 2,7 x 360mm  
Peanut head



### Suction tube

- J2020.1** ∅ 2,5 x 350mm
- J2020.2** ∅ 3 x 350mm
- J2020.3** ∅ 4 x 350mm



# Laryngologia



## Bronchoscopy instruments



**J2030** Ø 2 x 44mm  
**J2031** Ø 2,5 x 43mm  
**J2032** Ø 3 x 42mm  
**J2033** Ø 3,5 x 41mm



Tracheal tube  
**J1001.3** (6mm)  
**J1001.4** (7mm)  
**J1001.5** (8mm)  
**J1001.6** (9mm)  
**J1001.7** (10mm)  
**J1001.8** (11mm)  
**J1001.9** (12mm)  
**J1001.10** (13mm)

Double tube of total thread  
**J1004.1** (9mm)  
**J1004.2** (10mm)  
**J1004.3** (11mm)  
**J1004.4** (12mm)  
**J1004.5** (13mm)  
**J1004.6** (14mm)



**J2040** Troca  
 Ø 3,5 x 41mm



Guthrie retractor



**J2019** Two claws



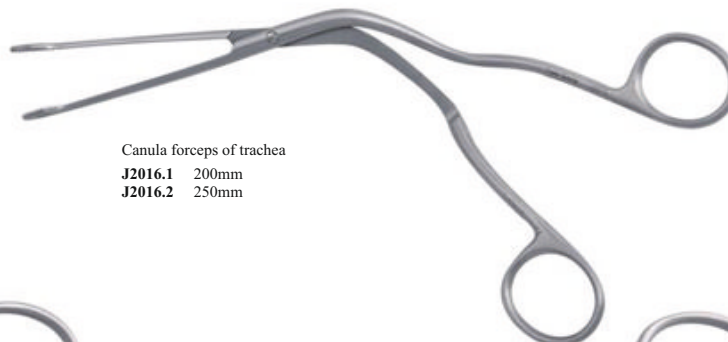
**J2019.1** Four claws



Three claws  
**J2019.3** Sharp head  
**J2019.6** Blunt head



Single tube of total thread  
**J2019.10** (8mm)  
**J2019.11** (10mm)  
**J2019.12** (12mm)  
**J2019.14** (16mm)  
**J2019.15** (18mm)



Canula forceps of trachea  
**J2016.1** 200mm  
**J2016.2** 250mm



**J2017** Tracheal dilating forceps



**J2017.1** Tracheal dilating forceps

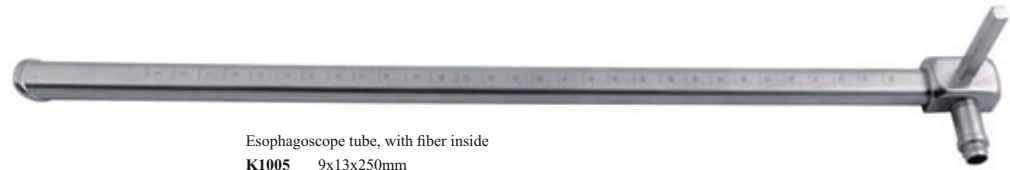


# Laryngologia

## Esophagoscopy instruments



**K1006-D** Esophagoscope tube  
12x17,9x380 400mm



Esophagoscope tube, with fiber inside

- K1005** 9x13x250mm
- K1005-D** 7,5x10x250mm
- K1006** 11x15x300mm
- K1007.1** 10x16x360mm
- K1007.2** 10x16x400mm
- K1008** 13x17x380mm
- K1009.1** 12x18x250mm
- K1009.2** 12x18x400mm
- K1009.3** 12x18x450mm



**K1000** Handle



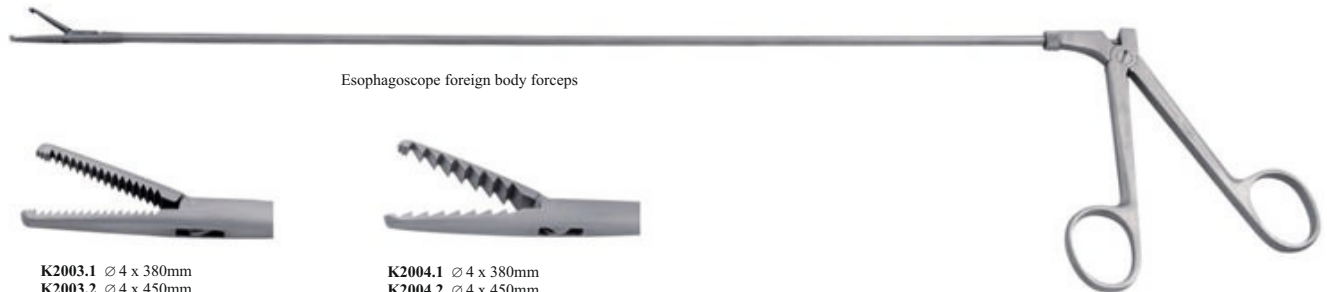
**K2014** 160mm, Spatula, straight  
**K2014.1** 180mm, Spatula, straight



**K2014.2** 180mm, Spatula, straight



**K2015** Spatula, curved



Esophagoscope foreign body forceps



**K2003.1** Ø 4 x 380mm  
**K2003.2** Ø 4 x 450mm  
**K2003.3** Ø 4 x 500mm



**K2004.1** Ø 4 x 380mm  
**K2004.2** Ø 4 x 450mm  
**K2004.3** Ø 4 x 500mm



**K2005.2** Ø 4 x 450mm



**K2006.1** Ø 4 x 380mm  
**K2006.2** Ø 4 x 450mm  
**K2006.3** Ø 4 x 500mm



**K2002.5** Ø 3,2 x 350mm  
**K2005.4** Ø 3,2 x 500mm



**K2006.4** Ø 4 x 420mm



Esophageal scissors Straight  
**EK2011** Ø 3,4 x 450mm

Esophageal foreign body forceps, Cutting  
**K2013** Ø 4 x 380mm



Suction tube  
**J2016.1** (Ø 4 x 450mm)  
**J2016.2** (Ø 3 x 450mm)  
**J2016.3** (Ø 2,5 x 450mm)





# Laryngologia



## Oświetlacze czołowe



**KS-W02(10W)** Headlight LED high brightness,  
with charger, distance of working shafts 200-400mm,  
magnification 2.5x-3.5x



**KD-202A2 (3W)** Headlight LED high brightness,  
with charger



**KD-202A-6 (5W)** Headlight LED high brightness,  
with charger



**Jd2000 (5W)** Headlight LED high brightness,  
with charger



# Laryngologia

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## Oświetlacze czołowe

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**KD-202A-7 (3W)** Headlight LED high brightness, with charger



**KD-202A-7 (5W)** Headlight LED high brightness, with charger



**KD-203A** Fiber optic Headpiece with Diaphragm



# Laryngologia



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## Nasofaryngoskop ALTHEA

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### Nasofaryngoskop FNS-2800

Working length: 340mm  
Working diameter: 2.8mm  
Viewing angle: 85°  
Articulation up/down 150°

### Nasofaryngoskop FNS-3400

Working length: 340mm  
Working diameter: 3.4mm  
Viewing angle: 85°  
Articulation up/down 150°

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## Nasofaryngoskop EMOS

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### 240.00121.00 Nasofaryngoskop FNS-2800

Working length: 300mm  
Working diameter: 2.8mm  
Viewing angle: 85°  
Articulation up/down 150°

### 240.00120.00 Nasofaryngoskop FNS-3400

Working length: 300mm  
Working diameter: 3.4mm  
Viewing angle: 85°  
Articulation up/down 150°



# Laryngologia

## Endoscopy camera system

### Endoscope Camera Documentation System

- 01. 4K Endoscopy camera system NS4K resolution; 3840x2160
- 02. Coupler, Water Proof
- 03. 32" 4K Monitor
- 04. Trolley



- 01. 668 HD medical camera; 1080P
- 02. Coupler, Water Prof.
- 03. 27" HD monitor
- 04. Trolley, with multifunctional shelf



- 01. 618 CCD camera
- 02. Coupler, F23, Water Proof
- 03. Pushcard, with multifunctional shelf
- 04. Computer, Intel/4G/500G/DVD Recorder
- 05. Monitor, 19" LCD
- 06. Printer, high resolution print
- 07. Foot pedal
- 08. Video capture card, PHILIPS chip highest quality of image, HD digital DVD level, dynamic magnification, dynamic filter processing
- 09. Software, can make DVD replay/record, print, many template/word/stock/photo stock, powerful function of case management
- 10. Video teaching of the system, comprehensive teaching of the whole system
- 11. Automatic system recovery, fast recovery to factory setting in 20 mins





# Laryngologia



## Endoscopy camera system

- 01. Full - HD camera, LCD screen, 1080P, immersible camera head for disinfection
- 02. Water prof coupler (Zoom coupler is opcional)
- 03. 27 inch medical monitor,
- 04. LED cold light source
- 05. Trolley with drawer and patch board



- 01. HD camera, 1080P, immersible camera head for disinfection
- 02. F 14 Water prof. coupler
- 03. 24 inch medical monitor
- 04. LED cold light source
- 05. Trolley with drawer and patch board



## Surveillance Monitor



A2502.37 Sony, 32 inch  
A2502.38 Sony, 55 inch



A2502.24 24 inch, High definition, made in China  
A2502.31 27 inch, High definition, made in China  
A2502.39 32, 4K



# Laryngologia

## Light sources



M-OSW-LED-120-HCM-9887  
Light source HCM 9887 LED 120W



M-OSW-LED-50-HCM-9671  
Light source HCM 9671 LED 50W



M-OSW-HAL-150-1-XD 301-S  
Light source XD 301, 150W, jednocanalowe



M-OSW-HAL-150-2-XD 301-S  
Light source XD 301, 2 x 150W, STORZ



M-OSW-HAL-250-2-XD 301-S  
Light source XD 301, 2 x 250W, STORZ



M-OSW-R-LED-3W-1  
Portable LED light 3W

## Medical optica fiber

### Universal adapter.



Stryker



Wolf



Storz/Olympus

### Universal adapter.



Storz



Wolf



Olympus



M-SM-1800-35 -U-U  
M-SM-2300-35 -U-U  
M-SM-3000-35 -U-U  
M-SM-3500-35 -U-U  
M-SM-1800-48 -U-U  
M-SM-2300-48 -U-U  
M-SM-2500-48 -U-U  
M-SM-3000-48 -U-U  
M-SM-3500-48 -U-U

Medical opticalfiber Optec 1,8m  $\varnothing$  3,5Universal/Universal  
Medical opticalfiber Optec 2,3m  $\varnothing$  3,5Universal/Universal  
Medical opticalfiber Optec 3,0m  $\varnothing$  3,5Universal/Universal  
Medical opticalfiber Optec 3,5m  $\varnothing$  3,5Universal/Universal  
Medical opticalfiber Optec 1,8m  $\varnothing$  4,8Universal/Universal  
Medical opticalfiber Optec 2,3m  $\varnothing$  4,8Universal/Universal  
Medical opticalfiber Optec 2,5m  $\varnothing$  4,8Universal/Universal  
Medical opticalfiber Optec 3,0m  $\varnothing$  4,8Universal/Universal  
Medical opticalfiber Optec 3,5m  $\varnothing$  4,8Universal/Universal

$\varnothing$  5.0< kabel nietypowy; wycena indywidualna



# Laryngologia



## Medical containers for sterilization



**M-END-STO-2**  
Endoscope sterilization set



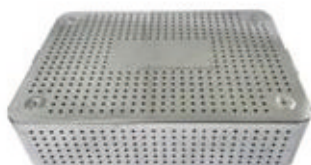
**M-AKC-WIESZAK**  
Optics hanger for sterilization



## Medical instruments sterilizing boxes



**190001000A**  
Endoscope instruments in common use 500x245x70mm



**B0000.15A** For Sinuscopy instruments  
360x260x90mm  
**C0000.4A** For Otoscopy instruments  
450x200x75mm



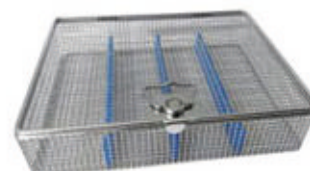
**B0000.2**  
For Sinuscopy set 360x255x90mm



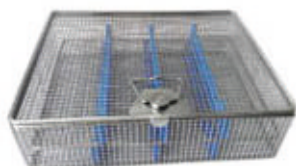
**B000.3A**  
For Sinuscopy instruments 380x210x70mm



**B0000.6**  
Sterilizing box for Sinuscope 300x80x52mm nets



**B0000.10**  
For Endoscope 300x240x60mm



**B0000.11**  
For Sinuscope 300x240x80mm



**B0000.13**  
For Sinuscopy set 600x250x125mm



**D0000.2**  
For Self-retaining Laparoscopy 440x210x100mm



**D0000.1**  
For Self-retaining Laparoscopy  
435x210x90mm



Sterilizing boxing for Otoscopy instruments  
**C0000.1** 230x165x110mm, 3 tiers  
**C0000.2** 230x165x70mm, 2 tiers



**B0000.4**  
For Endoscope 255x71x36mm



**B0000.5**  
For Endoscope, autoclavable 255x71x36mm



# Laryngologia

## Laryngological unit

**NET-1100**  
Laryngological unit

Specifications:

- Spray
- Suction
- Medical bottles
- Equipment anti-fog
- Heating system
- Telescopic handle



**NET-1100**  
Laryngological unit

**KAU-3000 BASIC**  
Laryngological unit

Specifications:

- Compressor pump
- Vacuum pump (main)
- Main suction bottle
- Sub suction bottle
- Clean system
- Power consumption
- Voltage
- Frequency
- Dimension
- Weight
- Anti-fog device



**KAU-3000 BASIC**  
Laryngological unit

## Endoscopic diagnostic set

**M-EZD-4**

Endoscopic diagnostic set:

- sinuscope
- otoscope
- laryngoscope
- camera FULL HD USB 3.0



**M-EZD-4**  
Diagnostic endoscopic set

## Endoscopic cameras



**M-KAM-HD-UC-100**  
Endoscope camera UC-100 Full HD USB 3.0



**M-KAM-CYMO-HD 1156**  
Endoscope camera CYMO HD 1156



**M-KAM-CYMO-HD 6180**  
Endoscope camera CYMO HD 6180





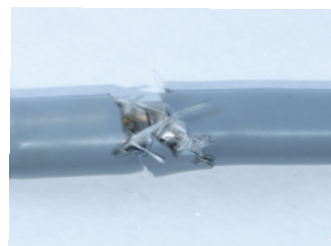
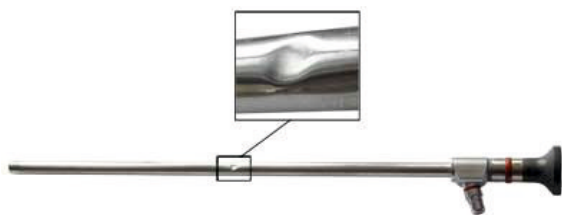
# Laryngologia



## Usługi serwisowe

### Usługi serwisowe:

- naprawa endoskopów
- naprawa światłowodów



## Usługi serwisowe

### WYSOKA JAKOŚĆ USŁUG - GWARANCJA - ATRAKCYJNE CENY - SZYBKI SERWIS

Firma **OPTEC** od wielu lat prowadzi serwis gwarancyjny i pogwarancyjny sprzętu medycznego wykorzystującego włókna światłowodowe. Nasze naprawy przeprowadzane są przez wykwalifikowanych pracowników przy użyciu specjalistycznego sprzętu i urządzeń. Dysponujemy ogromnym doświadczeniem, wiedzą oraz zapleczem technicznym, które pozwala na dokonanie profesjonalnych napraw.

#### Prowadzimy serwis i przeglądy techniczne następujących sprzętów:

- optyk endoskopowych sztywnych (artroskopy, laryngoskopy, otoskopy, sinuszkopy, etc.),
- endoskopów giętkich (fiberoskopy, gastroskopy, kolonoskopy, nasofaryngoskopy, etc.),
- światłowodów medycznych oświetleniowych,
- światłowodów do laserów,
- elementów światłowodowych haków chirurgicznych, rektoskopów, amnioskopów, anoskopów, waginoskopów.

Dzięki naszemu zaangażowaniu możemy pochwalić się szeroką rzeszą stałych klientów.

#### To co nas wyróżnia na tle podobnych firm, to:

- bezpłatna wycena kosztów naprawy,
- stosowanie materiałów najwyższej jakości,
- krótkie terminy realizacji,
- gwarancja na wykonane czynności i zastosowane elementy.

**Jeżeli macie państwo jakieś pytania, chcecie się dowiedzieć czy możemy naprawić państwa sprzęt ?  
Zapraszamy serdecznie do kontaktu telefonicznego lub mailowego z naszą firmą.**



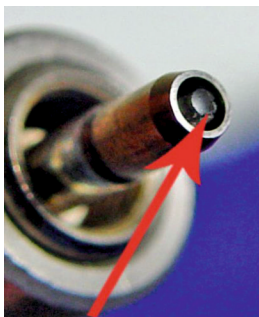
## Usługi serwisowe

### Naprawa światłowodów

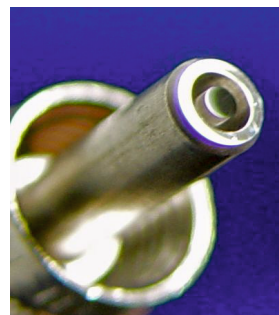
Specjalizujemy się w naprawach wszystkich typów światłowodów, w tym kabli do laserów i aparatury optoelektronicznej.

Włókna światłowodowe są najbardziej narażonym na uszkodzenia elementem aparatury, a ich zniszczenie uniemożliwia pracę całego systemu. Dlatego właśnie dbamy aby naprawy wykonywane były możliwie najszybciej.

Na przykład bardzo częsta usterka jaką jest uszkodzenie włókna przy konektorze naprawiana jest nie dłużej niż w dwa dni od dostarczenia.



Czolo światłowodu przed naprawą



Czolo światłowodu po naprawie



**Wykonujemy regenerację osłony ochronnej lub jej wymianę na nową.**

**Istnieje możliwość instalacji nowego włókna światłowodowego.**

**Naprawiamy zniszczone końcówki bądź zmieniamy na inne.**

**Bezpłatnie określamy koszty naprawy**

**Stosujemy materiały i kleje najwyższej jakości**

**Na naprawiony sprzęt udzielamy 6 miesięcy gwarancji**



**OPTEC s.c.** jest firmą z 30-letnim doświadczeniem działającą w branży medycznej.

Specjalizujemy się we wszelkiego rodzaju kablach światłowodowych do medycyny oraz optykach endoskopowych.

Oferujemy sprzęt medyczny do artroskopii, ginekologii, laryngologii, laparoskopii, proktologii, urologii w bardzo konkurencyjnych cenach.



W naszej ofercie znajdują się: wszelkiego rodzaju światłowody do medycyny, źródła światła, oświetlacze czołowe, optyki endoskopowe sztywne i giętkie, wzierniki, tory wizyjne, kamery, unity, narzędzia chirurgiczne, haki operacyjne, lupy zabiegowe, wózki endoskopowe, pojemniki sterylizacyjne oraz wiele innych produktów. posiadamy prawie wszystkie rodzaje optyk sztywnych.

Dużym atutem naszej firmy jest szybki i atrakcyjny cenowo serwis wszystkich typów światłowodów, endoskopów sztywnych i giętkich (Storz, Wolf, Olympus, Stryker, Fujinon, Pentax, ACMI i inne), a także światłowodów specjalnych np. do lasera (lipoliza, metoda EVLT, urologia).

**Optec s.c.**

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