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Neurochirurgia

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Neurochirurgia

ENT Neurosurgery

Basic Surgical Instruments

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Neurochirurgia



Basic Surgical Instruments



Y 2001.6 18 cm
Needle holder, straight with lock



Needle holder
Y 2003.1 14cm Serration
Y 2003.2 16cm Serration
Y 2003.3 18cm Serration



Y 2001 Micro needle holder forceps



Y 2006 10cm
Scissors for eyes, Curved, Sharp head



Y 2005 10cm
Scissors for eyes straight, Sharp head



Alloy needle holder, Straight, gold-plating
Y 2003.6 14cm
Y 2003.7 15cm
Y 2003.8 16cm
Y 2003.9 18cm
Y 2003.10 20cm
Y 2003.11 22cm
Y 2003.12 24cm
Y 2003.13 26cm
Y 2003.14 28cm

Scissor, Straight, sharp head
Y 2007.1 length 14cm
Y 2007.2 length 16cm
Y 2007.3 length 18cm



Tissue scissor Straight, blunt head
Y 2007.10 length 20cm
Y 2007.11 length 19cm
Y 2007.12 length 17cm
Y 2007.13 length 14cm



Y 2007.23 14cm
Tissue scissor, straight, half round



Tissue scissor, curved, half round
Y 2007.28 length 14cm
Y 2007.30 length 17cm



Tissue forceps Elis head
Y 2008.1 width 5mm, length 14cm
Y 2008.2 width 5mm, length 16cm
Y 2008.3 width 5mm, length 18cm



Hemostatic forceps, straight, full tooth
Y 2010.1 length 12,5cm
Y 2010.2 length 14cm
Y 2010.3 length 16cm
Y 2010.4 length 18cm
Y 2010.5 length 20cm
Y 2010.6 length 22cm



Hemostatic forceps, curved, full tooth
Y 2011.1 length 12,5cm
Y 2011.2 length 14cm
Y 2011.3 length 16cm
Y 2011.4 length 18cm
Y 2011.5 length 20cm
Y 2011.6 length 22cm
Y 2011.7 length 24cm



Towel forceps, Sharp head
Y 2013.1 length 11cm
Y 2013.2 length 14cm
Y 2013.3 length 16cm



Sponge forceps, toothed
Y 2016.4 curved 8cm, 25mm
Y 2016.6 curved 12cm, 25mm
Y 2016.2 straight 12cm, 25mm

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Neurochirurgia

Basic Surgical Instruments



Y 2020.1 125 mm, Tweezers, Straight
Y 2020.5 125 mm, Tweezers, Straight with hook



Y 2020.8 125 mm, Tissue tweezer, straight



Tissue tweezer
Y 2020.9 1x2, 125 mm, straight, 1x2 tooth, S
Y 2020.10 1x2, 125 mm, straight, 1x2 tooth, L



Tweezers
C 2049 160 mm
C 2049.1 200 mm
C 2049.2 160 mm, head with hook
C 2049.3 195 mm, head with hook
C 2049.4 180 mm, head with hook
C 2049.6 180 mm



Tweezers
C 2050 110 mm
C 2050.1 110 mm, head with hook
C 2050.2 160 mm, head with hook



C 1001.1 Ear speculum Ø3, Ø5, Ø6
 3pcs/set



C 1001.2 Ear speculum Ø3, Ø5, Ø6
 3pcs/set



Y 3001.1 12,5 cm, Handle



Y 3001.4 13,5 cm, Handle (with L blade)



Handle
Y 3001.7 7, 12,5 cm
Y 3001.8 7, 16,5 cm



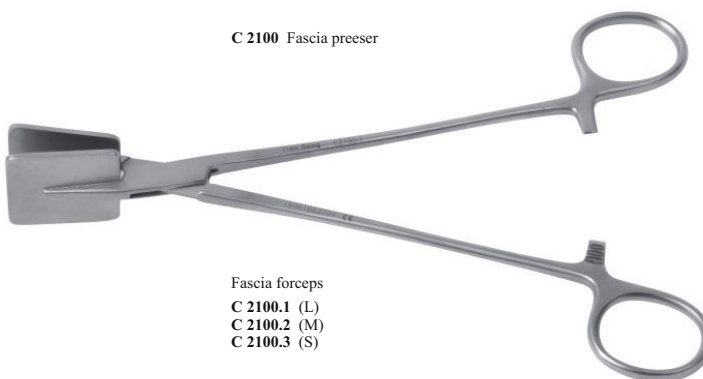
Tuning forks
C 2036.1 128
C 2036.2 256



Tuning forks
C 2036.3 512
C 2036.5 2048
C 2036.4 1024
C 2036.6 4096



C 2100 Fascia preeser



Fascia forceps
C 2100.1 (L)
C 2100.2 (M)
C 2100.3 (S)

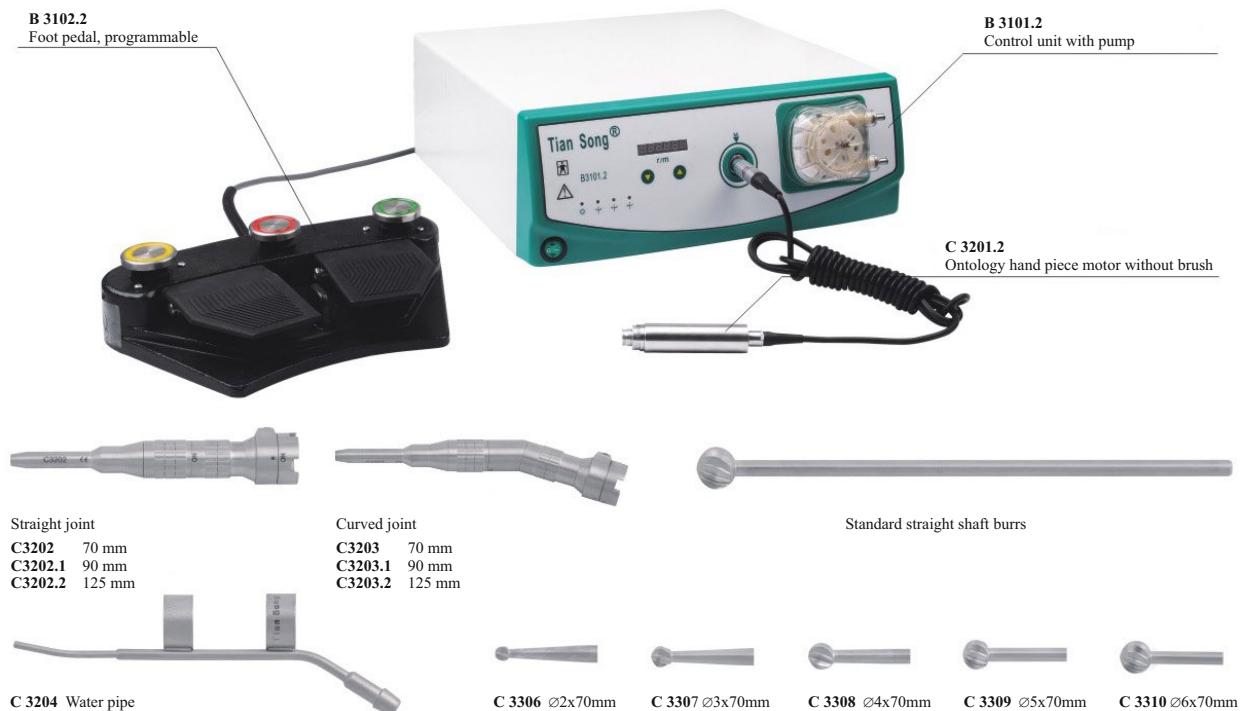




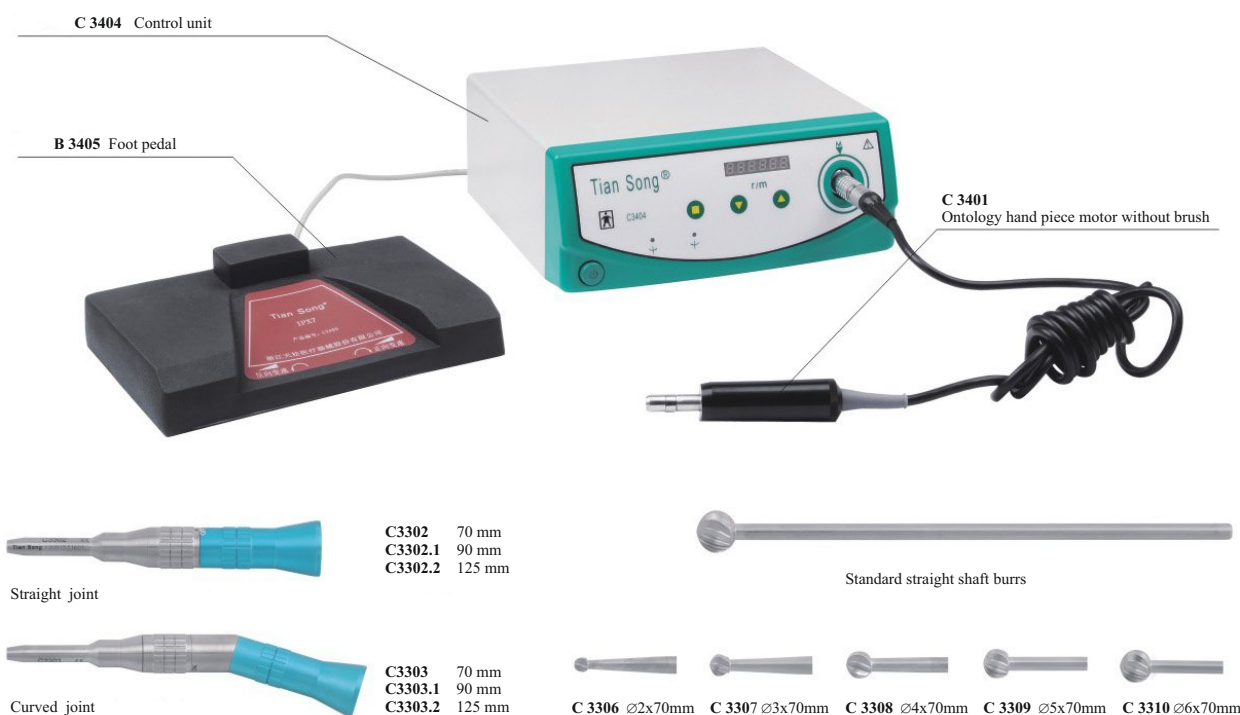
Neurochirurgia



WZ-2 Shaver system with pump



WZ-4 Shaver system



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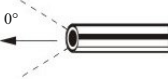
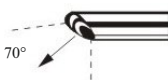
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Neurochirurgia

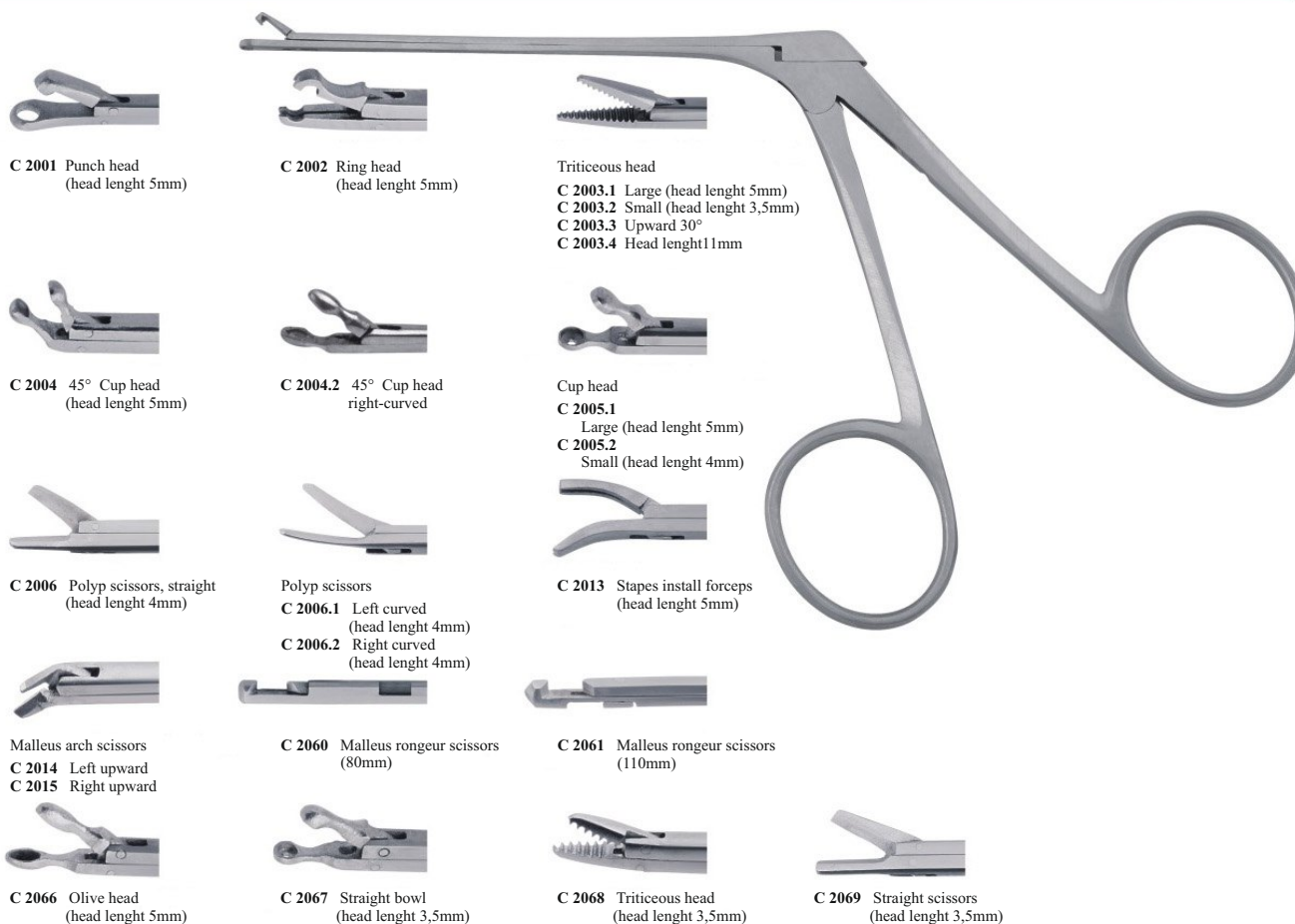
Otoscope

	C 0010	0° Ø2,7x107mm
	C 0010A	0° Ø3x107mm
	C 0010.1	0° Ø2,7x107mm 134°C 2bar
	C 0010.1A	0° Ø3x107mm 134°C 2bar
	C 0010.1B	0° Ø3x90mm
	C 0010.1C	0° Ø3,3x90mm
	C 0010.2	0° Ø2,7x107mm
	C 0020	0° Ø2,7x55mm
	C 0020A	0° Ø3x55mm
	C 0020.1	0° Ø2,7x55mm 134°C 2bar
	C 0020.1A	0° Ø3x55mm 134°C 2bar
	C 0030	0° Ø4x55mm
	C 0030.1	0° Ø4x55mm 134°C 2bar
	C 0012	30° Ø2,7x107mm
	C 0012A	30° Ø3x107mm
	C 0012.1	30° Ø2,7x107mm 134°C 2bar
	C 0012.1A	30° Ø3x107mm 134°C 2bar
	C 0012.2	30° Ø2,7x55mm
	C 0022	30° Ø2,7x107mm
	C 0022A	30° Ø3x55mm
	C 0022.1	30° Ø2,7x55mm 134°C 2bar
	C 0022.1A	30° Ø3x55mm 134°C 2bar
	C 0032	30° Ø4x55mm
	C 0032.1	30° Ø4x55mm 134°C 2bar
	C 0013	70° Ø2,7x107mm
	C 0013A	70° Ø3x107mm
	C 0013.1	70° Ø2,7x107mm 134°C 2bar
	C 0013.1A	70° Ø3x107mm 134°C 2bar
	C 0013.2	70° Ø2,7x55mm
	C 0023	70° Ø2,7x107mm
	C 0023A	70° Ø3x55mm
	C 0023.1	70° Ø2,7x55mm 134°C 2bar
	C 0023.1A	70° Ø3x55mm 134°C 2bar
	C 0033	70° Ø4x55mm
	C 0033.1	70° Ø4x55mm 134°C 2bar

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



Middle ear forceps 70mm





Neurochirurgia



Otoscopy instruments



Curette, straight and blunt mouth
C 2016.1 Ø4mm
C 2016.2 Ø3mm
C 2016.3 Ø2mm



Curette, curved and blunt mouth
C 2017.1 Ø4mm
C 2017.2 Ø3mm
C 2017.3 Ø2mm



Curette, straight and sharp mouth
C 2018.1 Ø4mm
C 2018.2 Ø3mm
C 2018.3 Ø2mm



Curette, curved and sharp mouth
C 2019.1 Ø4mm
C 2019.2 Ø3mm
C 2019.3 Ø2mm



C 2058 Auditory lamellate knife
straight 160mm (head width 2,5mm)



C 2059.1 45° Auditory lamellate knife
angled 2,5mm, 160mm



C 2059.2 45° Auditory lamellate knife
angled 2mm, 160mm



Micro ear hook (160mm)
C 2062.1 0,3mm
C 2062.2 0,6mm
C 2062.3 1mm



C 2064 Micro ear needle, straight (60mm)
C 2052 Cerumen hook, curved



C 2065 Micro ear needle, curved
C 2079 Cerumen hook, 45° head curved



Periosteotome, half-moon blade
C 2040 Bayonet shaped
C 2042 Angle shaped



Periosteotome, triangular blade
C 2041 Bayonet shaped
C 2043 Angle shaped



Cerumen hook, bayonet shaped
C 2051.1 2mm blade width 2mm
C 2051.2 4mm blade width 4mm



C 2053 Cerumen hook curved



C 2080 Micro cerumen hook, 9pcs



0



1



2



3



4



5



6



7



8



9



1



2



3



4



5



6



7



8



9



10



11



12



13



14



15



16



17



18



19



20



21

C 2074 Micro cerumen hook, 21pcs

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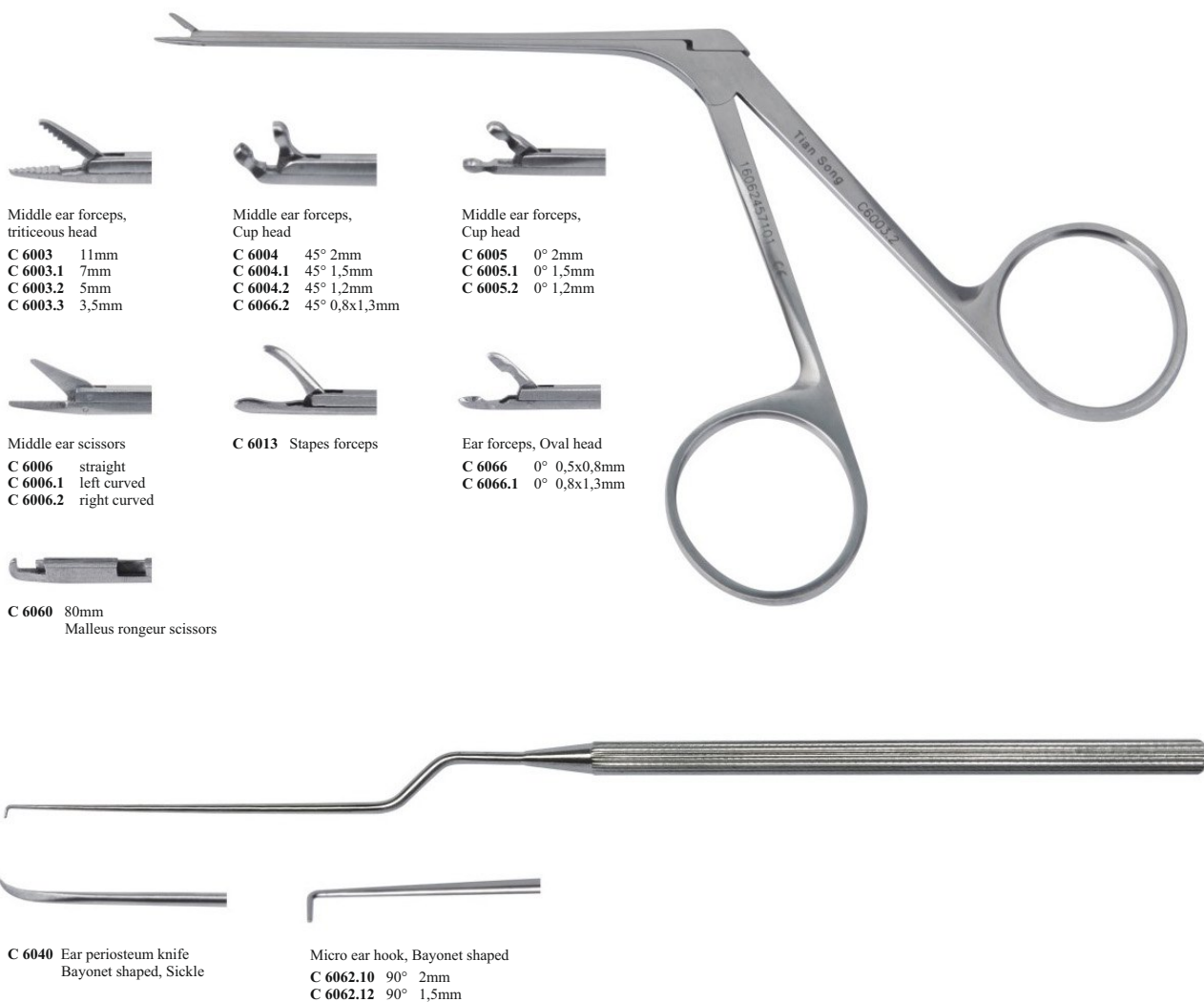


Neurochirurgia

Otoscopy instruments

C9 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.





Neurochirurgia



Otoscopy instruments



C 6042.1 Micro ear knife, Sickle



C 6043 Micro ear knife, Triangle



C 6048.1 Ear probe Head 0,5mm
For the cochlae electrode fascia filling



C 6048.2 25° Ear probe



C 6048.3 45° Ear probe



Micro ear knife, Straight cut
C 6058.1 0° 2mm
C 6058.2 0° 2,5mm



Micro ear knife
C 6059.1 45° 1mm
C 6059.2 45° 1,2mm
C 6059.3 45° 1,5mm
C 6059.4 45° 1,8mm
C 6059.5 45° 2mm
C 6059.6 45° 2,5mm



Micro ear knife
C 6059.8 90° 1mm
C 6059.9 90° 1,2mm
C 6059.10 90° 1,5mm
C 6059.11 90° 1,8mm
C 6059.12 90° 2mm



Micro ear hook
C 6062.2 90° 0,6mm
C 6062.3 90° 1mm
C 6062.4 90° 1,2mm
C 6062.5 90° 1,5mm
C 6062.6 90° 1,8mm
C 6062.7 90° 2mm



Ear probe
C 6064.1 Slightly curved, sharp head
C 6064.2 Straight, sharp head



Micro ear hook
C 6065 45° 0,8mm
C 6065.2 45° 1,2mm
C 6065.3 45° 1,5mm
C 6065.4 45° 1,8mm
C 6065.5 45° 2mm



Micro ear hook
C 6065.6 25° Short
C 6065.7 25° Long



Micro ear curet
Oval head, slightly curved
C 6071.1 1,5x1,2mm
C 6071.2 1,8x1,5mm
C 6071.3 2,2x1,8mm



Micro ear elevator, Slightly curved
C 6073.1 1,5mm
C 6073.2 2mm
C 6073.3 3mm



C 6073.4 1,8mm
Micro ear elevator, Curved



Micro ear elevator
C 6073.5 Left curved
C 6073.6 Right curved



ENT suction tube, Straight with handle
C 6046.11 Ø3x85mm
C 6046.12 Ø3,5x85mm
C 6046.13 Ø4x85mm
C 6046.14 Ø4,5x85mm
C 6046.15 Ø5x85mm



ENT suction tube, Straight with reducing valve
C 6046.21 Ø3x85mm
C 6046.22 Ø2,5x85mm
C 6046.23 Ø2x85mm
C 6046.24 Ø1,8x85mm
C 6046.25 Ø1,5x85mm
C 6046.26 Ø1,2x85mm
C 6046.27 Ø1x85mm



C 6075 ENT suction tube, slightly curved
Ø2mm

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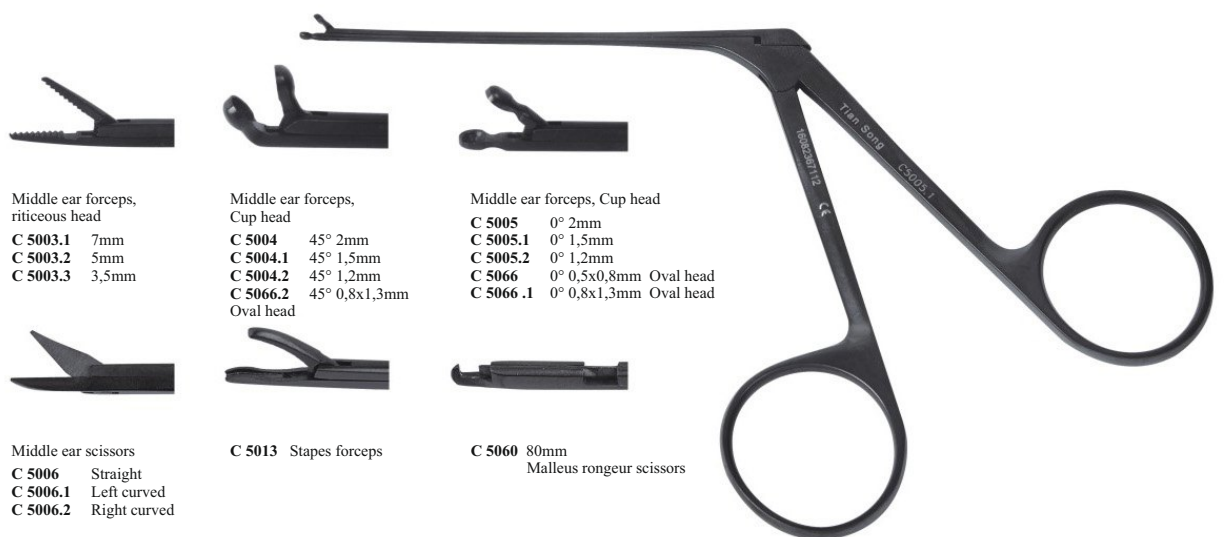


Neurochirurgia

Otoscopy instruments

C5 Black gold hyperfine otology instruments

1. To avoid reflections in the operation, reduce the fatigue of doctor's eye.
2. Improve corrosion resistance and abrasion 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 sterylization more thoroughly, more secure.
4. Good biological compatibility, make the products in such aspect as hemolysis and sensitive with better performance.



Middle ear forceps,
riticeous head

C 5003.1 7mm
C 5003.2 5mm
C 5003.3 3,5mm

Middle ear forceps,
Cup head

C 5004 45° 2mm
C 5004.1 45° 1,5mm
C 5004.2 45° 1,2mm
C 5066.2 45° 0,8x1,3mm
Oval head

Middle ear forceps, Cup head

C 5005 0° 2mm
C 5005.1 0° 1,5mm
C 5005.2 0° 1,2mm
C 5066 0° 0,5x0,8mm Oval head
C 5066.1 0° 0,8x1,3mm Oval head

Middle ear scissors

C 5006 Straight
C 5006.1 Left curved
C 5006.2 Right curved

C 5013 Stapes forceps

C 5060 80mm
Malleus rongeur scissors



C 5042.1 Micro ear knife, Sicle
C 5040 Ear periosteum knife,
Bayonet shaped

C 5048.1 Ear probe
For the cochlea electrode fascia
filling, Head 0,5mm

C 5048.2 25° Ear probe

C 5048.3 45° Ear probe

Micro ear knife

C 5058.1 Straight cut 0° 2mm
C 5058.2 Straight cut 0° 2,5mm

Micro ear knife

C 5059.1 45° 1mm
C 5059.2 45° 1,2mm
C 5059.3 45° 1,5mm
C 5059.4 45° 1,8mm
C 5059.5 45° 2mm
C 5059.6 45° 2,5mm

Micro ear knife

C 5059.8 90° 1mm
C 5059.9 90° 1,2mm
C 5059.10 90° 1,5mm
C 5059.11 90° 1,8mm
C 5059.12 90° 2mm
C 5059.13 90° 2,5mm

Micro ear hook

C 5062.2 90° 0,6mm
C 5062.3 90° 1mm
C 5062.4 90° 1,2mm
C 5062.5 90° 1,5mm
C 5062.6 90° 1,8mm
C 5062.7 90° 2mm
C 5062.10 Bayonet shaped 90° 2mm
C 5062.12 Bayonet shaped 90° 1,5mm

Ear probe

C 5064.1 Slightly curved, sharp head
C 5064.2 Straight, sharp head

Micro ear hook

C 5065 45° 0,8mm
C 5065.1 45° 1mm
C 5065.2 45° 1,2mm
C 5065.3 45° 1,5mm
C 5065.4 45° 1,8mm
C 5065.5 45° 2mm
C 5065.6 45° Short
C 5065.7 45° Long

Micro ear curet,
Oval head slightly curved

C 5071.1 1,5x1,2mm
C 5071.2 1,8x1,5mm
C 5071.3 2,2x1,8mm

Micro ear elevator

C 5073.1 Slightly curved 1,5mm
C 5073.2 Slightly curved 2mm
C 5073.3 Slightly curved 3mm
C 5073.4 Curved 1,8mm
C 5073.5 Left curved
C 5073.6 Right curved



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Neurochirurgia



Otoscopy instruments



C 2056 Headlight



C 2056.3 Headlight LED high brightness, with charger



C 2056.2 Light guide cable for headlight
Ø3x2500mm



Charger



Standard straight shaft burrs

C 3306.1	Ø2x90mm	C 3306.2	Ø2x125mm	C 3320	Ø1,5x70mm
C 3307.1	Ø3x90mm	C 3307.2	Ø3x125mm	C 3321	Ø2,5x70mm
C 3308.1	Ø4x90mm	C 3308.2	Ø4x125mm	C 3322	Ø3,5x70mm
C 3309.1	Ø5x90mm	C 3309.2	Ø5x125mm	C 3323	Ø4,5x70mm
C 3310.1	Ø6x90mm	C 3310.2	Ø6x125mm		



Diamond straight shaft burrs

C 3311	Ø2x70mm	C 3311.1	Ø2x90mm	C 3329	Ø1,4x70mm
C 3313	Ø3x70mm	C 3312.1	Ø3x90mm	C 3330	Ø2,7x70mm
C 3313	Ø4x70mm	C 3313.1	Ø4x90mm	C 3331	Ø3,5x70mm
C 3314	Ø5x70mm	C 3314.1	Ø5x90mm	C 3332	Ø4,5x70mm
C 3315	Ø6x70mm	C 3315.1	Ø6x90mm		



C 1001 Otoscopy sheath



C 2077 Suction head Ø1,5x30mm



C 2055 Cotton applicator



C 2055.1 Cotton applicator, spring handle



Spiral head



Triangular head



Spiral head



Triangular head



Suction tube, upward

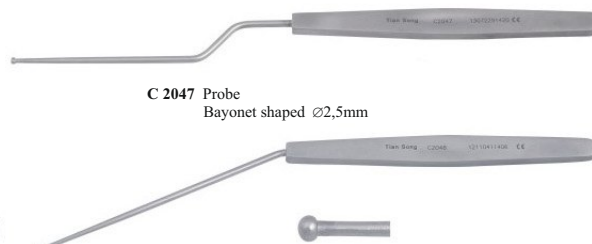
C 2081	Ø2x110mm
C 2082	Ø1,5x110mm
C 2083	Ø1x110mm

Suction tube, downward

C 2081.1	Ø2x110mm
C 2082.1	Ø1,5x110mm
C 2083.1	Ø1x110mm

Suction tube, corved

C 2078.1	Ø4x80mm
C 2078.2	Ø3x80mm
C 2078.3	Ø2,5x80mm
C 2078.4	Ø2x80mm



C 2047 Probe
Bayonet shaped Ø2,5mm

C 2048 Probe
Knee shaped Ø2mm

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Neurochirurgia

Otoscopy instruments



Plester self retaining retractor
C 2038 130mm
C 2038.1 Single tooth



Plester self retaining retractors
C 2038.2 2x2 sharp head, curved
C 2038.3 2x2 blunt head, curved



Mastoid retractor
C 2038.4 130mm 3x4 tooth, blunt



Mastoid retractor
C 2038.7 130mm 3 teeth, left sharp, curved



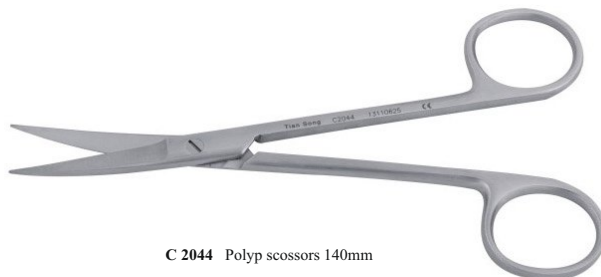
Mastoid retractor
C 2038.8 130mm 3 teeth, right sharp, curved



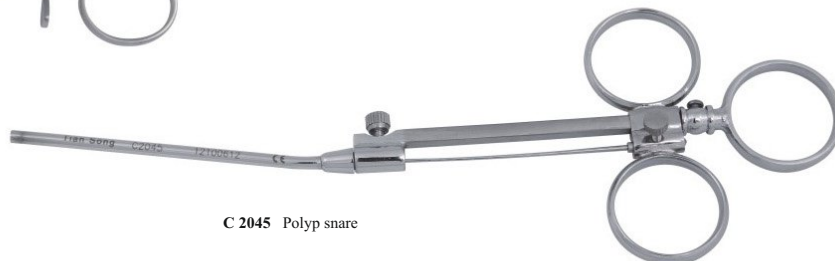
C 2039 160mm Backman laminectomy retractor



C 2039.1 160mm Backman laminectomy retractor



C 2044 Polyp scissors 140mm



C 2045 Polyp snare





Neurochirurgia



Otoscopy instruments



C 2026.1 Ø3mm & Ø4mm
Mastoid curette, round bowl, double heads



Micro ear curette
C 2070.1 Ø2mm double heads, Large
C 2070.2 Ø1,5mm double heads, Small



C 2071 Ø2mm Micro ear curette, only head



C 2075 Ø2x90mm Suction tube, micro curved



C 2076 Ø2x90mm Suction tube, straight



Mastoid curette, 160mm
C 2022 Ø1,5mm **C 2026** Ø3,5mm **C 2030** Ø5,5mm
C 2023 Ø2mm **C 2027** Ø4mm **C 2031** Ø6mm
C 2024 Ø2,5mm **C 2028** Ø4,5mm
C 2025 Ø3mm **C 2029** Ø5mm



C 2034.4 Mastoid mallet, rubber



Mastoid suction tube 105mm
C 2035.1 Ø3mm **C 2035.4** Ø1,5mm
C 2035.2 Ø4mm **C 2035.5** Ø2mm
C 2035.3 Ø5mm **C 2035.6** Ø2,5mm



Suction tube 125mm straight
C 2046.1 Ø4mm **C 2046.9** Ø3,5mm
C 2046.2 Ø3mm **C 2046.10** Ø2x125mm
C 2046.3 Ø2,5mm



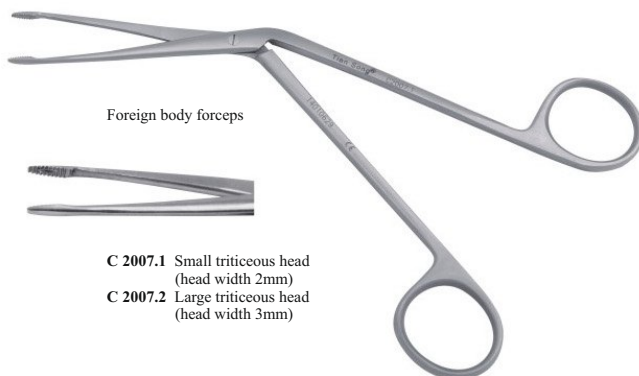
Suction tube 85mm
C 2046.4 Ø1mm **C 2046.7** Ø2,5mm
C 2046.5 Ø1,5mm **C 2046.8** Ø3mm
C 2046.6 Ø2mm



Mastoid mallet
C 2034.1 Ø19x60mm
C 2034.2 Ø17x55mm
C 2034.3 Ø15x50mm



C 2034.7 Mastoid mallet, rubber with needle



Foreign body forceps

C 2007.1 Small triticeous head
(head width 2mm)
C 2007.2 Large triticeous head
(head width 3mm)



Mastoid rongeur forceps,
bayonet shaped
C 2008.1 Head with 6mm
C 2008.2 Head with 5mm
C 2008.3 Head with 4mm

Mastoid hemostatic forceps,
bayonet shaped
C 2008.5 Head with 5mm
C 2008.6 Head with 4mm





Neurochirurgia

Otoscopy instruments

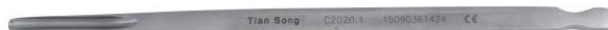


C 2010 Beyer bone rongeur



Mastoid rongeur forceps, single joint

- C 2011** Sharp head
- C 2011.1** Sharp head, curved 140mm
- C 2012** Round head



Ear bone chisel flat blade 125mm

- C 2020.1** Head width 2,6mm
- C 2020.2** Head width 2,8mm
- C 2020.3** Head width 3mm
- C 2020.4** Head width 3,2mm
- C 2020.5** Head width 3,4mm
- C 2020.6** Head width 3,6mm
- C 2020.7** Head width 3,8mm



Ear bone chisel flat blade 125mm

- C 2021.1** Head width 4mm
- C 2021.2** Head width 4,4mm
- C 2021.3** Head width 4,8mm



Mastoid chisel 145mm

- C 2032.1** Head width 5mm
- C 2032.2** Head width 4mm
- C 2032.3** Head width 3mm



Mastoid gouge 145mm

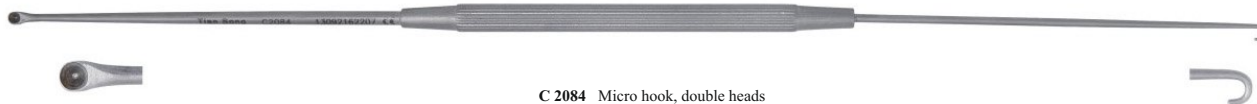
- C 2033.1** Head width 4,5mm
- C 2033.2** Head width 4mm
- C 2033.3** Head width 3,5mm



C 2047.1 Probe, double ball heads



C 2047.2 225mm
Curette hook, double heads



C 2084 Micro hook, double heads



C 2054 Cerumen hook, 7pcs

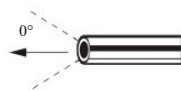




Neurochirurgia



Sinuscope



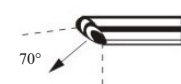
B 0110 0° Ø4x175mm
B 0210 0° Ø2,7x175mm
B 0210A 0° Ø3x175mm
B 0120 0° Ø4x175mm 134°C2bar
B 0310 0° Ø2,7x175mm 134°C2bar
B 0310A 0° Ø3x175mm 134°C2bar



B 0112 30° Ø4x175mm
B 0212 30° Ø2,7x175mm
B 0212A 30° Ø3x175mm
B 0122 30° Ø4x175mm 134°C2bar
B 0312 30° Ø2,7x175mm 134°C2bar
B 0312A 30° Ø3x175mm 134°C2bar



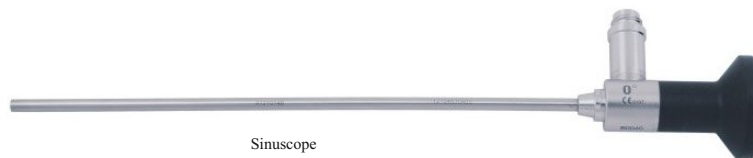
B 0016 45° Ø4x175mm
B 0016.1 45° Ø4x175mm 134°C2bar



B 0113 70° Ø4x175mm
B 0213 70° Ø2,7x175mm
B 0213A 70° Ø3x175mm
B 0123 70° Ø4x175mm 134°C2bar



Sinuscope



Sinuscope

B 0040 0° Ø4x175mm
B 0042 30° Ø4x175mm
B 0043 70° Ø4x175mm
B 0044 45° Ø4x175mm

Nasal operating forceps



Nasal tissue forceps
B 2007.1 Left-curved (Large)
B 2007.2 Left-curved (Small)
B 2008.1 Right-curved (Large)
B 2008.2 Right-curved (Small)



B 2019 Nasal biopsy forceps,
 straight Ø3,5x110mm



Nasal tissue forceps
 0° 145mm
B 2109 Open to left
B 2110 Open to right



B 2028 110mm
 Nasal foreign body forceps,
 without hook



B 2029 110mm
 Nasal foreign body forceps,
 with hook



B 2020 Nasal biopsy forceps
 Ø3,5x110mm



B 2021 Nasal biopsy forceps, curved
 Ø3,5x110mm



Nasal grasping forceps 105mm
B 2043 downward 90°, open to back 120°
B 2043.2 upward 90°, open to back 120°



Nasal grasping forceps 105mm
B 2043.1 Long curved, downward 115°
B 2043.3 Long curved, upward 115°



Nasal grasping forceps
B 2043.4 Curved, downward 80°
B 2043.5 Long curved, downward 80°
B 2043.6 Downward 90°, back open 120°

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Neurochirurgia

Nasal operating forceps



Nasal tissue cutting forceps (140mm)

B 2010.1 0° Sharp head (L)

B 2010.2 0° Sharp head (S)



Nasal tissue cutting forceps (140mm)

B 2011.1 30° Sharp head (L)

B 2011.2 30° Sharp head (S)



Nasal tissue cutting forceps (140mm)

B 2012.1 45° Sharp head (L)

B 2012.2 45° Sharp head (S)



Nasal tissue cutting forceps (140mm)

B 2013.1 0° Round head (L)

B 2013.2 0° Round head (S)



Nasal tissue cutting forceps (140mm)

B 2014.1 30° Round head (L)

B 2014.2 30° Round head (S)



Nasal tissue cutting forceps

B 2015.1 45° Round head (L)

B 2015.2 45° Round head (S)



B 2514 Nasal tissue forceps,
front biting 0°/105mm



B 2515 Nasal tissue forceps,
front biting sharp (Small)
0°/105mm



Nasal tissue forceps
B 2516 30°/105mm front biting
sharp (Small)

B 2516.1 45°/105mm front biting
sharp (Small)



Cutting forceps of nasal ethmoid
(0°/105mm)

B 2094.1 0°

B 2094.5 Left-biting

B 2094.6 Right-biting

Cutting forceps of nasal ethmoid
(30°/105mm)

B 2094.2 30°

B 2094.7 Left-biting

B 2094.8 Right-biting

B 2094.9 45°

B 9094.1 Rongeur of nasal ethmoid
(0°/105mm)

B 9094.2 Rongeur of nasal ethmoid
(30°/105mm)



B 2009.1 Open to left and right
(110°/105mm)



B 2105 Open to left and right
(100°/105mm)

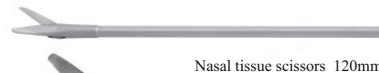
B 2106 Open to left and right
(70°/105mm)

B 2107 Open to front and back
(70°/105mm)



B 2008 Open to up and down
(0°/145mm)

Nasal tissue forceps



Nasal tissue scissors 120mm

B 2095 Blade with tooth, straight



B 2096 Blade with tooth,
left curved



B 2097 Blade with tooth,
right curved



B 2111 90°/140mm
Nasal tissue forceps,
with suction tube



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Neurochirurgia



Nasal operating forceps



Nasal tissue forceps, without fixed pin (0°, 105mm)

B 2517.1 Large
B 2517.2 Middle
B 2517.3 Small
B 2517.4



Nasal tissue forceps, without fixed pin (45°, 105mm)

B 2519.1 Large
B 2519.2 Small



B 9100 (0°, 105mm)

Tissue forceps of nasal cavity sharp head, without fixed pin



B 9101 (30°, 105mm)

Tissue forceps of nasal cavity sharp head, without fixed pin



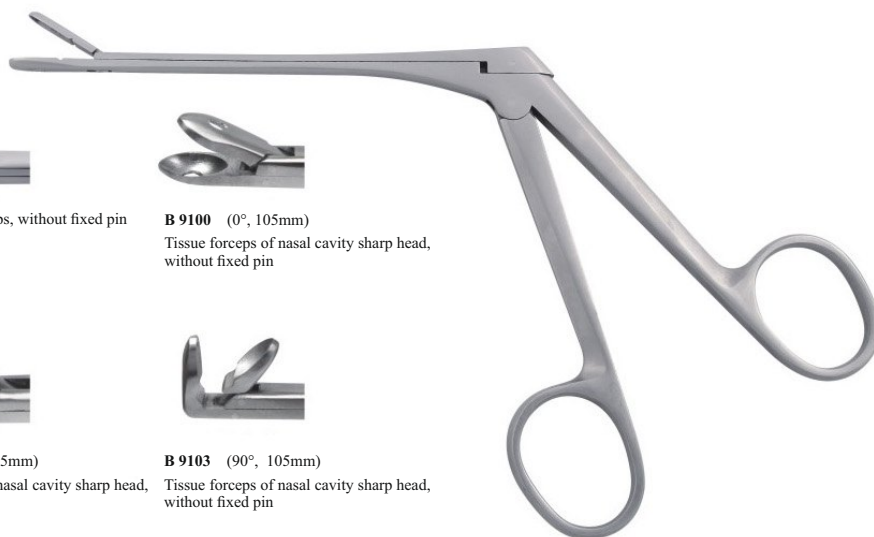
B 9102 (45°, 105mm)

Tissue forceps of nasal cavity sharp head, without fixed pin



B 9103 (90°, 105mm)

Tissue forceps of nasal cavity sharp head, without fixed pin



B 9104 (0°, 105mm)

Tissue forceps of nasal cavity round head, without fixed pin



B 2022 (130mm)

Nasal polyp ethmoid forceps Round head



B 2023 (130mm)

Nasal polyp ethmoid forceps Sharp head



Tissue forceps of nasal cavity with suction tube (0°, 105mm)

B 2039 (L)
B 2039.1 (M)



Tissue forceps of nasal cavity with suction tube (30°, 105mm)

B 2040 (L)
B 2040.1 (M)



Tissue forceps of nasal cavity with suction tube (45°, 105mm)

B 2041 (L)
B 2041.1 (M)



Tissue forceps of nasal cavity with suction tube (90°, 105mm)

B 2042 (L)
B 2042.1 (M)



Nasal tissue forceps (0°, 105mm)

B 2100 Sharp head
B 2100.1 (L)
B 2100.2 (S)
B 2100M Sharp head 130mm



Nasal tissue forceps (30°, 105mm)

B 2101 Sharp head
B 2101.1 (L)
B 2101.2 (S)



Nasal tissue forceps sharp head (105mm)

B 2102 45°
B 2103 90°



B 2080 (105mm)

Open forceps of nasal ethmoid Flat head



B 2081 (105mm)

Open forceps of nasal ethmoid Up head



Open forceps of nasal ethmoid Sharp head (105mm)

B 2082 (L)
B 2082.1 (S)



B 2085 (150mm)

Nasal-pharyngeal biopsy forceps, Straight



B 2086 (150mm)

Nasal-pharyngeal biopsy forceps



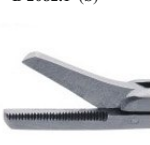
B 2086.1 (70°, 150mm)

Nasal-pharyngeal biopsy forceps, Upward



B 2087 (180mm)

Nasal-pharyngeal biopsy forceps, Curved



B 2095.1 (105mm)

Nasal tissue scissors, Straight



Nasal tissue scissors (105mm)

B 2096.1 Left-curved
B 2097.1 Right-curved



B 2098 (105mm)

Nasal rongeur front-biting



B 2099 Back biting rongeur (130mm)
B 2099M Left opening
B 2099.1 Left opening
B 2099.2 Right opening
B 2099.1M 130mm left open
B 2099.2M 130mm right open



B 2099.3 (105mm)
Back biting rongeur Down curved



B 2099.9 Suture removing forceps



B 2099.10 Forgein body forceps



B 2104 (0°/105mm), Round head
Polyp forceps of nasal cavity

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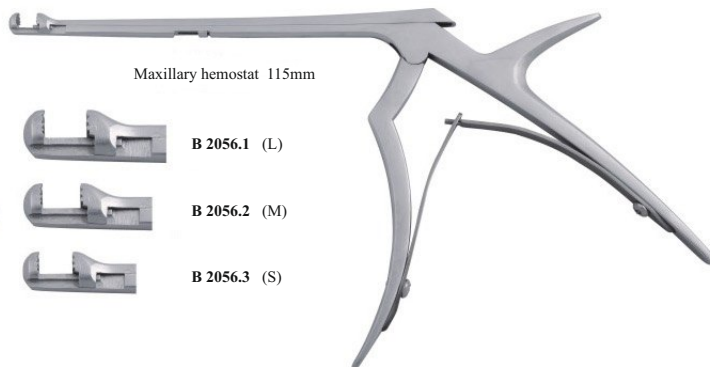


Neurochirurgia

Nasal instruments



B 2099.8 Grasping forceps, three teeth



Maxillary hemostat 115mm

B 2056.1 (L)

B 2056.2 (M)

B 2056.3 (S)



B 2018.1 (200mm)

Nasal mucosa forceps, type 1

B 2018.2 (200mm)

Nasal mucosa forceps, type 2

Nasal mucosa forceps,

new type

B 2018.3 (L)



Nasal polyp forceps, triticeous head

B 2025.1 2x6x180mm

B 2025.2 2,5x6x180mm

B 2025.3 3x6x180mm



Nasal polyp forceps, new type

B 2026.1 2x6mm

B 2026.2 2,5x6mm

B 2026.3 3x6mm



Nasal polyp forceps

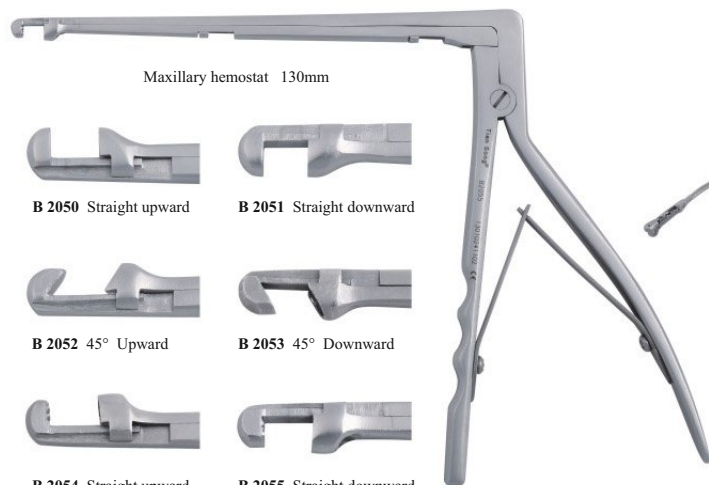
B 2027.1 2x6

B 2027.2 2,5x6

B 2027.3 3x6



B 2001 (0°/150mm)
Optical forceps



Maxillary hemostat 130mm

B 2050 Straight upward

B 2051 Straight downward

B 2052 45° Upward

B 2053 45° Downward

B 2054 Straight upward,
mouth with tooth

B 2055 Straight downward,
mouth with tooth



B 2002 (30°/120mm)
Optical forceps flexible



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Neurochirurgia



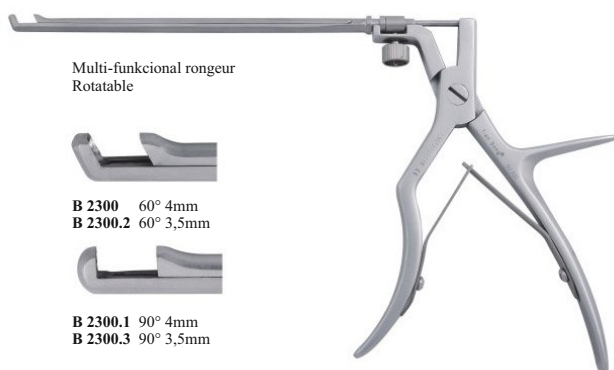
Nasal operating forceps



B 2003 (70°/120mm)
Optical forceps



B 2302 (70°/3x130mm)
Side cutting forceps



Multi-funktional rongeur
Rotatable

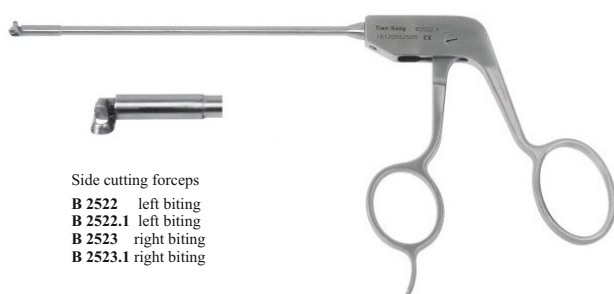
B 2300 60° 4mm
B 2300.2 60° 3,5mm

B 2300.1 90° 4mm
B 2300.3 90° 3,5mm



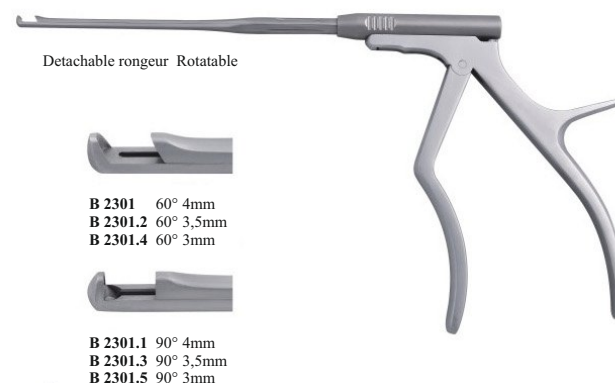
Nasal bipolar forceps
Use with M1020 high frequency cord

B 2125 0°
B 2125.1 Upward 20°



Side cutting forceps

B 2522 left biting
B 2522.1 left biting
B 2523 right biting
B 2523.1 right biting



Detachable rongeur Rotatable

B 2301 60° 4mm
B 2301.2 60° 3,5mm
B 2301.4 60° 3mm

B 2301.1 90° 4mm
B 2301.3 90° 3,5mm
B 2301.5 90° 3mm



Back biting rongeur, Rotatable (360°)

B 2513
B 2513.1
B 2513.2



Nasal rongeur, sharp head (100mm)

B 2530 0° **B 2531** 30°
B 2532 45° **B 2533** 90°

B 2529 Nasal rongeur
4x3x135mm 30°

Nasal tissue cutting forceps (2mm)
B 2534 0° **B 2535** 30° **B 2536** 45°

B 2537 0° Nasal rongeur,
Left curved

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Neurochirurgia

Nasal operating forceps



Detachable suction polyp forceps
B 2162.1 0° Ø5x140mm
B 2162.2 0° Ø4x140mm
B 2162.3 0° Ø3x140mm



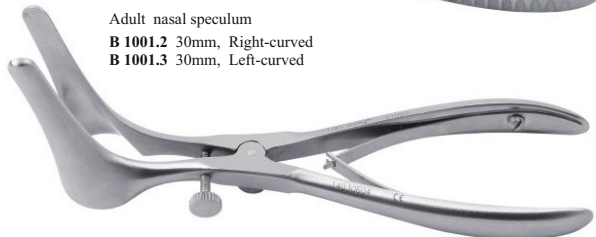
B 2030 180mm
 Nasal stamping forceps



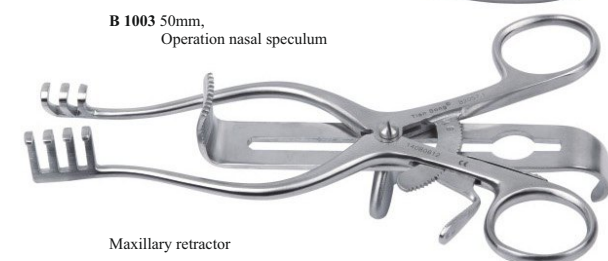
Nasal speculum
B 1001 30mm Adult
B 1002 20mm Pediatric



Adult nasal speculum
B 1001.2 30mm, Right-curved
B 1001.3 30mm, Left-curved



B 1003 50mm,
 Operation nasal speculum



Maxillary retractor
B 2057
B 2057.1 165mm



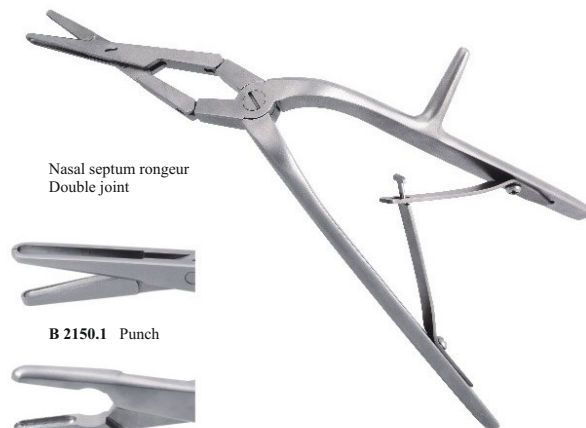
B 2071 Nasal bone resetting forceps



Sphenoidal sinus enlarge forceps

B 2160 0° Ø3,5x180mm
B 2161 0° Ø4,5x180mm

B 2160.1 30° Ø3,5x180mm
B 2161.1 30° Ø4,5x180mm



Nasal septum rongeur
 Double joint

B 2150.1 Punch



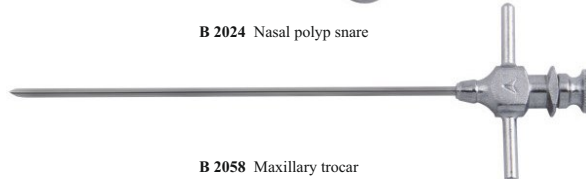
B 2150.2 Occlude



B 2032 Nasal mouth gag



B 2024 Nasal polyp snare



B 2058 Maxillary trocar



B 2058.1 Connection tube





Neurochirurgia



Nasal instruments



B 2031 Nasal mucosa knife



Sinus curette, without hole
B 2044.1 (L)
B 2044.2 (M)
B 2044.3 (S)



Sinus curette, with hole 0°
B 2045.1 (L)
B 2045.2 (M)
B 2045.3 (S)



Sinus curette, with hole 15°
B 2046.1 (L)
B 2046.2 (M)
B 2046.3 (S)



Sinus curette, with hole 30°
B 2047.1 (L)
B 2047.2 (M)
B 2047.3 (S)



Sinus curette, with hole 45°
B 2048.1 (L)
B 2048.2 (M)
B 2048.3 (S)



Sinus curette, with hole 90°
B 2049.1 (L)
B 2049.2 (M)
B 2049.3 (S)



B 2049.4 Sinus curette 45°



Nasal cutting curette 190mm
B 2089 Forward
B 2090 Backward



B 2112 Sinus curette with hole



B 2113 Sinus curette without hole



B 2061 0° Nasal septum elevator



Nasal septum elevator
B 2062 15°
B 2063 30°



B 2062.1 15° Nasal septum elevator
Long flat handle



Nasal septum elevator
B 2062.2 0° Long flat handle
B 2065 90° Upward, flat tip



B 2064 45° Nasal septum elevator
Upward, triangular head



B 2066 Nasal septum elevator
Round head



B 2117 Nasal septum elevator



Elevator
B 2503
B 2503.1 Double heads, curved
One side straight,
another side curved



B 2506 (Ø3x75mm)
Nasal bone chisel, Flat head



B 2508 (70°/Ø2x3mm)
Cerumen hook
Flat wide head, curved



B 2507 Ø2,5mm
Nasal probe
Round head, curved



Nasal septum elevator
B 2067 Double heads, curved
B 2067.1 One side straight, another side curved
B 2067.4 70mm



B 2067.2 Nasal foreign body hook & ring



B 2067.3 Nasal septum elevator
(Half round knife, double heads)



B 2505 Sinus operation knife, Double heads



B 2608 Nasal septum elevator
one side elevator, the other side hook



B 2504 Small sinus curette
Double heads



B 2083 Nasal septum elevator,
Double head, curved
B 2083.1 Small



B 2084 Nasal septum elevator,
Double head, straight

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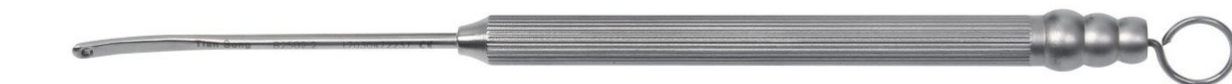
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Neurochirurgia

Nasal instruments



Elevator suction tube
B 2502.1 Ø3,5x75mm
B 2502.6 Ø3,5x145mm
B 2502.11 Ø3,5x75mm
 Suction head 360° rotatable



B 2502.2 Ø2,5x60mm
B 2502.10 Ø2,5x60mm
 Suction head 360° rotatable



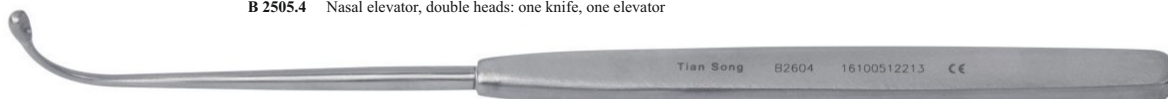
B 2502.14 0° Nasal elevator
 One side hole, rotatable
 Ø2,5x80mm



B 2502.20 45° Nasal elevator
 Two sides hole, rotatable
 Ø2,5x80mm



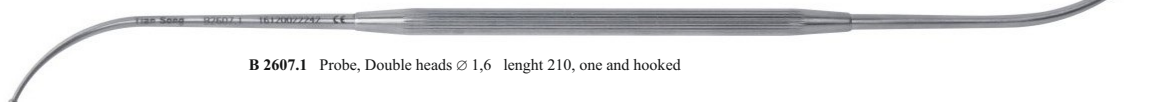
B 2505.4 Nasal elevator, double heads: one knife, one elevator



B 2604 2x6x90° Nasal curet



B 2607 Probe, Double heads length 190, Head Ø 2, Ø 1,4



B 2607.1 Probe, Double heads Ø 1,6 length 210, one and hooked



Nasal curet, Suction
B 2602 Ø 2,5x90°
B 2602.1 Ø 2,5x60°
B 2602.2 Ø 2,5x45°
B 2602.3 Ø 2,5x40°



Nasal septum fish tail chisel, straight
B 2059.1 (L)
B 2059.2 (M)
B 2059.3 (S)



Nasal septum fish tail chisel, bayonet shaped
B 2060.1 (L)
B 2060.2 (M)
B 2060.3 (S)



Nasal bone chisel



B 2075 Nasal bone chisel
 Flat, curved



Double protection
B 2072.1 6mm
B 2072.2 8mm



Left protection
B 2073.1 6mm
B 2073.2 8mm



Right protection
B 2074.1 6mm
B 2074.2 8mm



B 2076 Nasal bone chisel
 Bayonet shaped, half round





Neurochirurgia



Nasal instruments



Nasal septum swivel knife, straight

B 2068.1 3mm
B 2068.2 4mm
B 2068.3 5mm

Nasal septum swivel knife, tip, straight

B 2068.4 3mm
B 2068.5 4mm
B 2068.6 5mm



Nasal septum swivel knife, bayonet

B 2069.1 3mm
B 2069.2 4mm
B 2069.3 5mm



Barnhill adenoid curette, without hook

B 2091.1 (L)
B 2091.2 (M)
B 2091.3 (S)

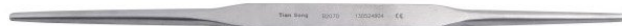


Barnhill adenoid curette, with hook

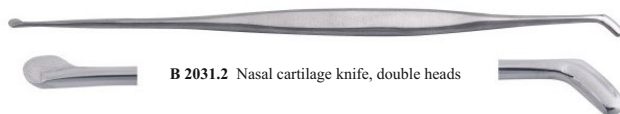
B 2092.1 (L)
B 2092.2 (M)
B 2092.3 (S)



B 2031.1 (190mm)
Nasal cartilage knife, double heads



B 2070 Nasal bone restorer



B 2031.2 Nasal cartilage knife, double heads



B 2070.1 Nasal bone restorer



B 2163 (180mm)
Maxillary retractor, Double heads



B 2127 Nasal rasp, double sides rasp
Ø6x42mm



Sickle knife



B 2120 Trocar Ø4,2x100mm



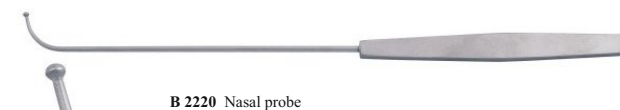
B 2118 Sharp head curved



B 2119 Blunt head curved



B 2020.2 Trocar Ø5x50mm



B 2220 Nasal probe



B 2121 Endoscope holder



B 2077 Nosepiece scissors
Upperbound



B 2078 Nosepiece scissors
Middlebound



B 2079 Nosepiece scissors
Lowerbound

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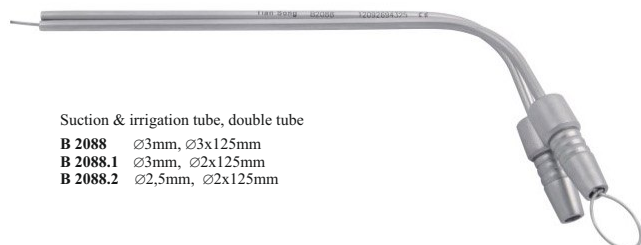
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Neurochirurgia

Nasal suction tube



Suction & irrigation tube, double tube

B 2088 Ø3mm, Ø3x125mm
B 2088.1 Ø3mm, Ø2x125mm
B 2088.2 Ø2,5mm, Ø2x125mm



Mixillary suction tube

B 2115A Ø3x125mm
B 2115 Ø3x140mm
B 2115.1 Ø4x140mm
B 2115.2 Ø2,5x140mm
B 2169 Ø3x140mm curved flexible
B 2169.1 Ø4x140mm curved flexible



Maxillary suction tube, straight

B 2115.3 Ø3x125mm **B 2116.4** Ø4x175mm
B 2115.6 Ø4x125mm **B 2116.5** Ø3x175mm
B 2115.15 Ø2,5x125mm **B 2116.6** Ø2,5x175mm
B 2167.1 Ø3x175mm flexible



Mixillary suction tube

B 2115.5 Straight handle Ø3x125mm
B 2115.13 Ø4x125mm
B 2115.21 Ø2,5x125mm



Maxillary suction tube

B 2115.7 Ø4x125mm Curved, square handle
B 2115.12 Ø2,5x125mm **B 2115.14** Ø3,5x125mm
B 2115.4 Ø3x125mm



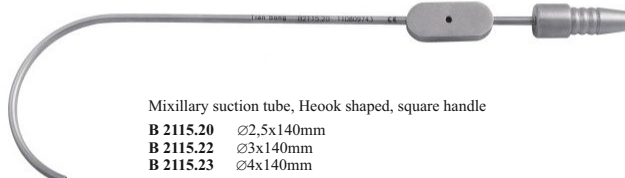
Mixillary suction tube, square handle

B 2115.16 Ø2,5x110mm Straight
B 2115.17 Ø3x110mm Straight
B 2115.18 Ø4x110mm Straight



Maxillary suction tube

B 2115.8 Ø3,5x140mm hook sharpened
B 2115.9 Ø3x125mm hook sharpened
B 2115.10 Ø2,5x125mm hook sharpened



Mixillary suction tube, Heook shaped, square handle

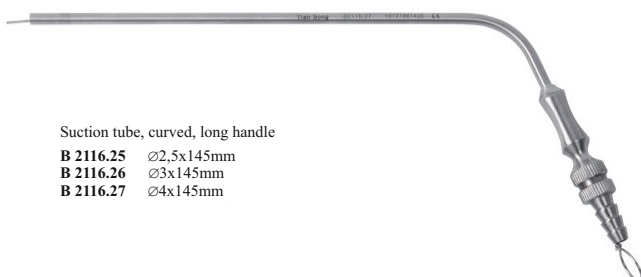
B 2115.20 Ø2,5x140mm
B 2115.22 Ø3x140mm
B 2115.23 Ø4x140mm



B 2115.25 Suction tube Ø2,5x110mm
 Long handle, with adaptor

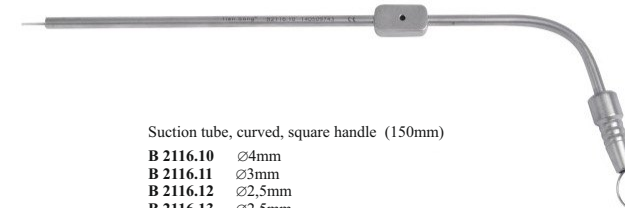
Suction tube, Head with protection, long handle

B 2115.26 Ø2,5x125mm
B 2115.27 Ø3x125mm
B 2115.28 Ø4x125mm



Suction tube, curved, long handle

B 2116.25 Ø2,5x145mm
B 2116.26 Ø3x145mm
B 2116.27 Ø4x145mm



Suction tube, curved, square handle (150mm)

B 2116.10 Ø4mm
B 2116.11 Ø3mm
B 2116.12 Ø2,5mm
B 2116.13 Ø2,5mm
B 2116.14 Ø3mm
B 2116.15 Ø3,5mm
B 2116.16 Ø4mm





Neurochirurgia



Nasal suction tube

Suction tube, curved 175mm

- B 2116** Ø3,5mm
- B 2116.1** Ø4mm
- B 2116.2** Ø3mm
- B 2116.3** Ø2,5mm
- B 2166** Ø4mm
- B 2167** Ø3mm
- B 2168** Ø2,5mm

Suction tube, curved, long handle 175mm

- B 2116.7** Ø4mm
- B 2116.8** Ø3mm
- B 2116.9** Ø2,5mm

Adaptor for suction tube

- B 2170** For long connector
- B 2171** For short connector
- B 2172** For peanut connector

Suction tube treatment table, long connector

- B 2170.1** Ø1,5mm
- B 2170.2** Ø2mm
- B 2170.3** Ø2,5mm
- B 2170.4** Ø3mm
- B 2170.5** Ø3,5mm

Suction tube treatment table, peanut connector

- B 2172.1** Ø1,5mm
- B 2172.2** Ø2mm
- B 2172.3** Ø2,5mm
- B 2172.4** Ø3mm
- B 2172.5** Ø3,5mm

Nasal mastoid suction tube, straight
Ø5x195mm

- B 2511.1** Ø5mm
- B 2511.2** Ø4mm
- B 2511.3** Ø3mm
- B 2511.4** Ø4,5x195mm
- B 2511.5** Ø3,5x195mm
- B 2511.7** Ø4x195mm
- B 2511.15** Ø2,5x195mm

Suction tube

- B 2116.20** Ø3x145mm
- B 2116.21** Ø3x130mm

Elevator with suction

- B 2117.1** Ø3mm
- B 2117.2** Ø4mm

B 2510 Ø2x180mm
Nasal irrigation tube, curved

Suction tube for treatment table short connector

- B 2171.1** Ø1,5mm
- B 2171.2** Ø2mm
- B 2171.3** Ø2,5mm
- B 2171.4** Ø3mm
- B 2171.5** Ø3,5mm

Suction tube for treatment table peanut connector, S type

- B 2173.1** Ø1,5mm
- B 2173.2** Ø2mm
- B 2173.3** Ø2,5mm
- B 2173.4** Ø3mm
- B 2173.5** Ø3,5mm

Nasal suction adaptor, olive head

- B 2174.1** Ø12
- B 2174.2** Ø13
- B 2174.3** Ø14

Nasal mastoid suction tube, curved
Ø5x195mm

- B 2512.1** Ø5mm 90°
- B 2512.2** Ø4mm
- B 2512.3** Ø3mm
- B 2512.4** Ø4x195mm
- B 2512.6** Ø5x195mm 90°
- B 2512.7** Ø3,5x195mm
- B 2512.8** Ø3x195mm

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Neurochirurgia

Pediatric nasal instruments



B 2201



B 2203



Pediatric optical forceps (Ø3mm)

- B 2201** 0°
- B 2202** 30°
- B 2203** 70°



B 2205 Straight



B 2207 Right-curved
B 2206 Left-curved



Nasal tissue scissors
Ø3x110mm

Tissue forceps of nasal cavity
B 2039.2 0° **B 2041.2** 45°
B 2040.2 30° **B 2042.2** 90°

B 2094.3 0° Cutting forceps
of nasal ethmoid (S)

B 2094.4 30° Cutting forceps
of nasal ethmoid (S)



B 2209 0°/95mm
Tissue forceps
of nasal cavity,
Sharp head 0°



B 2210 30°/95mm Tissue forceps
of nasal cavity,
Sharp head 30°



B 2211 45°/95mm Tissue forceps
of nasal cavity,
Sharp head 45°



B 2212 90°/95mm Tissue forceps
of nasal cavity,
Sharp head 90°



B 2208 95mm Sinus rongeur,
back-biting



B 2213 0° Tissue forceps
of nasal cavity,
round head



B 2214 30° Tissue forceps
of nasal cavity,
round head



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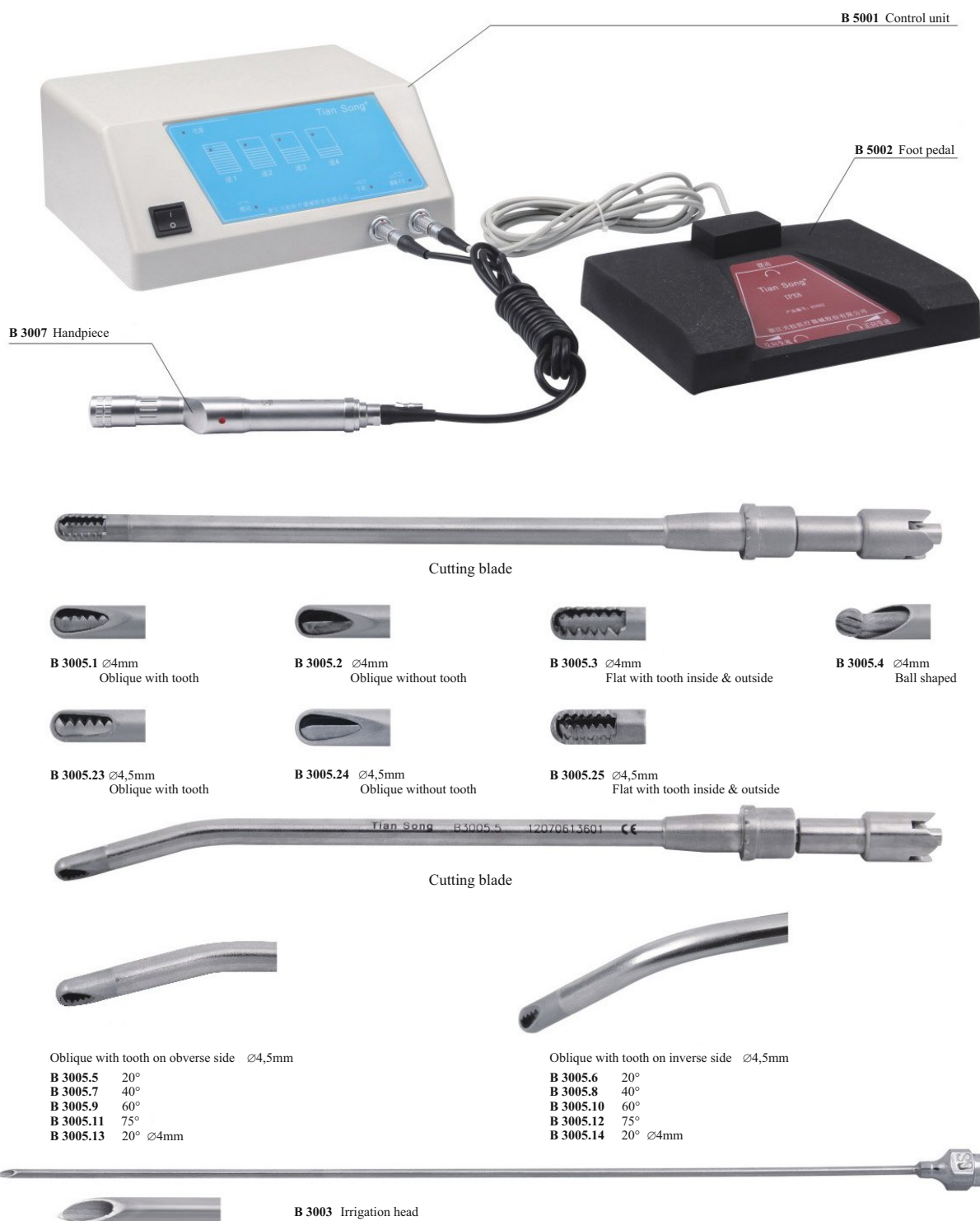
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Neurochirurgia



BD-7 Nasal power drill



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Neurochirurgia

BD-9 Nasal power drill



B 3103.2 Oblique with tooth, irrigation



B 3104.2 Oblique without tooth, irrigation



B 3105.2 With tooth inside and outside, irrigation



B 3106.1 $\varnothing 4\text{mm}$
Ball shaped



Oblique with tooth on obverse side $\varnothing 4,5\text{mm}$
B 3107.1 20°
B 3109.1 40°
B 3111.1 60°



Oblique with tooth on inverse side $\varnothing 4,5\text{mm}$
B 3108.1 20°
B 3110.1 40°
B 3112.1 60°





Neurochirurgia



Nasal electric coagulator with suction



Elevator suction tube, use with M1002
B 2501 $\varnothing 4 \times 100 \text{ mm}$
B 2501.1 $\varnothing 3,5 \times 100 \text{ mm}$



0° Nasal electric coagulator with suction, flat, use with M1002
B 2122 $\varnothing 3 \text{ mm}$
B 2122.4 $\varnothing 4 \text{ mm}$



B 2122.8 Nasal electric coagulator elevator with suction
 Slightly curved $\varnothing 3,4 \times 130 \text{ mm}$



Nasal electric coagulator with suction, flat, bipolar, use with B 1006
B 2124 $\varnothing 4 \text{ mm}$
B 2124.3 $\varnothing 3 \text{ mm}$
B 2124.5 $\varnothing 5 \text{ mm}$



170mm Nasal electric coagulator with suction, flat, bipolar, use with B 1006
B 2124.1 $\varnothing 4 \text{ mm}$, 15°
B 2124.4 $\varnothing 3 \text{ mm}$, 15°
B 2124.7 $\varnothing 5 \text{ mm}$, 15°



Nasal electric coagulator with suction, flat, use with M1002 Flat
B 2122.2 $\varnothing 3 \text{ mm}$, 60°
B 2122.3 $\varnothing 3 \text{ mm}$, 90°
B 2122.6 $\varnothing 4 \text{ mm}$, 60°
B 2122.7 $\varnothing 4 \text{ mm}$, 90°



Nasal electric coagulator with suction, flat, use with M1002
B 2122.1 $\varnothing 4 \text{ mm}$, 50°
B 2122.5 $\varnothing 5 \text{ mm}$, 50°
B 2123.1 $\varnothing 4 \text{ mm}$, 45°
B 2123.2 $\varnothing 4 \text{ mm}$, 45°



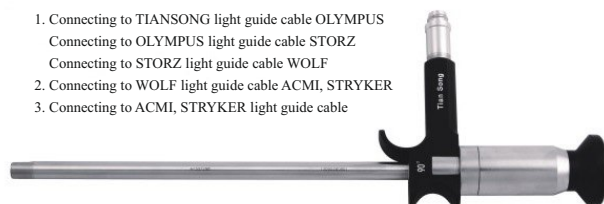
B 2124.20 Nasal electric coagulator with suction $\varnothing 3 \times 240 \text{ mm}$, 0°, M1020 flat, 0°, bipolar, use with B 1006



(170mm / B 1006)
 Nasal electric coagulator with suction, flat, bipolar, curved, use with B 1006
B 2124.1 $\varnothing 4 \text{ mm}$, 45°
B 2124.6 $\varnothing 5 \text{ mm}$, 45°

Laryngoscope

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



D 0101 90° $\varnothing 8 \times 174 \text{ mm}$



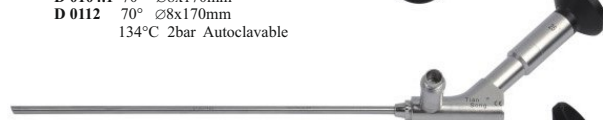
Tele-laryngoscope
D 0102 90° $\varnothing 8 \times 174 \text{ mm}$
D 0103 70° $\varnothing 8 \times 178 \text{ mm}$
D 0110 70° $\varnothing 5 \times 175 \text{ mm}$



D 0105 70° $\varnothing 5 \times 175 \text{ mm}$
D 0105.1 70° $\varnothing 5 \times 175 \text{ mm}$
 134°C 2bar Autoclavable



D 0104.1 70° $\varnothing 8 \times 170 \text{ mm}$
D 0112 70° $\varnothing 8 \times 170 \text{ mm}$
 134°C 2bar Autoclavable



Side viewing Laryngoscope
D 0106.1 12° $\varnothing 4 \times 185 \text{ mm}$
D 0107.1 0° $\varnothing 4 \times 183 \text{ mm}$



Side viewing Laryngoscope
D 0116 12° $\varnothing 4 \times 185 \text{ mm}$
D 0117 0° $\varnothing 4 \times 183 \text{ mm}$

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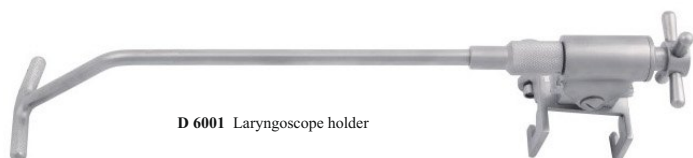
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Neurochirurgia

Self-retaining laryngoscopy set



D 6001 Laryngoscope holder



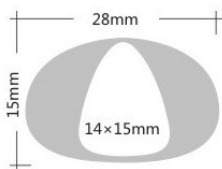
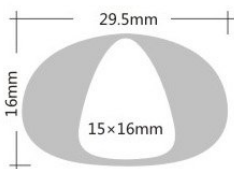
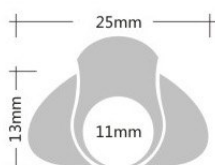
Light guide cable
Screw adaptor
D 5010 $\varnothing 2,5 \times 1700\text{mm}$
J 5010 $\varnothing 1,8 \times 1700\text{mm}$
Click adaptor
T 5013 $\varnothing 1,8 \times 1700\text{mm}$
T 5014 $\varnothing 2,5 \times 1700\text{mm}$



Laryngoscope holder
D 6002, D 6003, D 1003, D 1004



D 6005 Laryngoscope holder



Expanding laryngoscope tube
D 1016, D 5020.1
For side-viewing laryngoscope
D 1017 12°



Laryngoscope tube, for D 2083
D 1001 (L) 170mm
D 1002 (S) 170mm



Laryngoscope tube
D 1003 (L) 175mm
D 1004 (S) 175mm



Laryngoscope tube
D 1011 (L) 175mm
D 1012 (S) 175mm



Laryngoscope tube,
for 0° endoscope
D 1013 (L) 175mm
D 1014 (S) 175mm



D 5020.1 Laryngoscope tube
D 2101 (L) 150mm
D 2102 (S) 130mm



Laryngoscope tube
D 2103 (L) 11x150mm
D 2104 (S) 11x130mm



Direct laryngoscope tube
D 2076.1 (L) 16x175mm
D 2076.2 (M) 14x175mm
D 2076.3 (S) 12x175mm



Lateral laryngoscope tube
D 2077.1 (L) 16x175mm
D 2077.2 (M) 14x150mm
D 2077.3 (S) 12x100mm

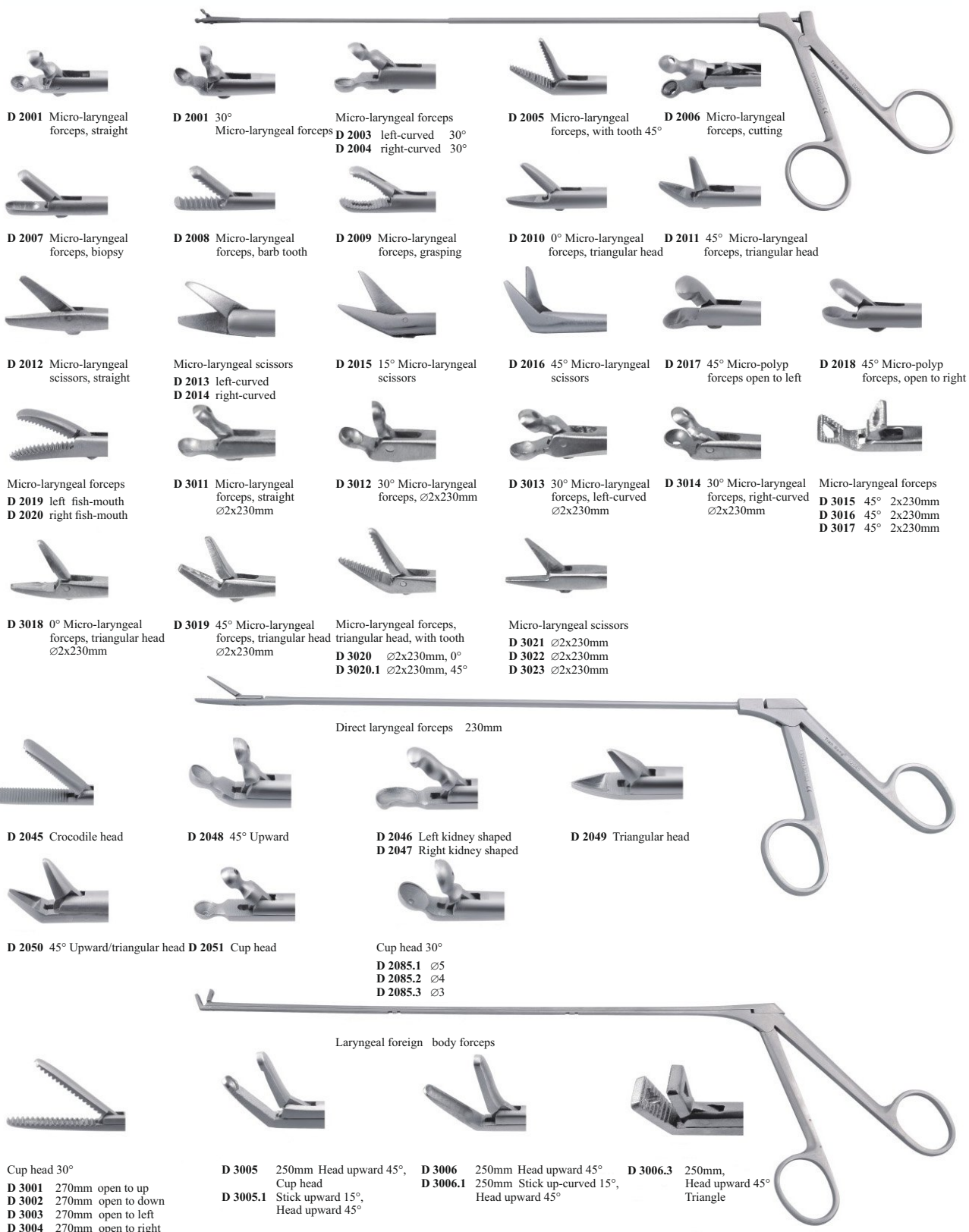




Neurochirurgia



Laryngeal operating forceps



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Neurochirurgia

Laryngeal operating forceps



D 2070 260mm, Indirect laryngeal forceps,
One handle with three jaws, rotating head



260mm
Polyp forceps of vocal cord
D 2021 Rotating head
D 2022 Open to front
D 2023 Open to back
D 2024 Open to left
D 2025 Open to right



45°, 260mm
Special polyp forceps of vocal cord
D 2026 Open to front
D 2027 Open to back
D 2028 Open to left
D 2029 Open to right



260mm
Special laryngeal forceps
D 2030 Rotating head
D 2031 Upward
D 2032 Downward
D 2033 Leftward
D 2034 Rightward



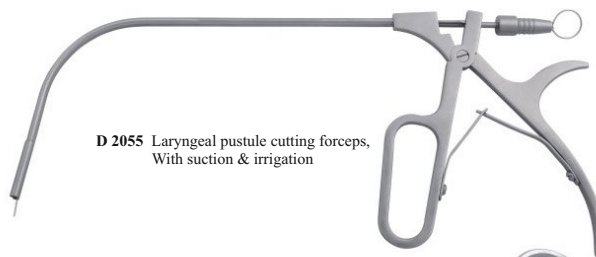
260mm
Fish bone catching forceps
D 2035 Open to front
D 2036 Open to left
D 2037 Open to right
D 2038 Open to back
D 2039 Rotating head
D 2040 Open to left & right



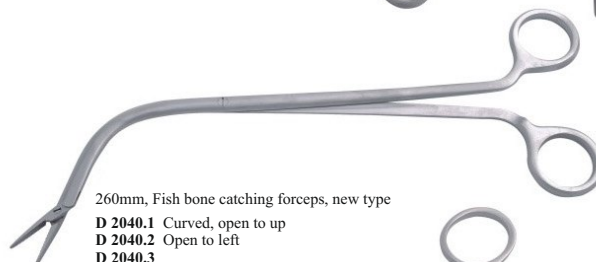
D 2041 Laryngeal scissors



D 2042 260mm, Laryngeal pustule
cutting forceps,
Open to left & right



D 2055 Laryngeal pustule cutting forceps,
With suction & irrigation



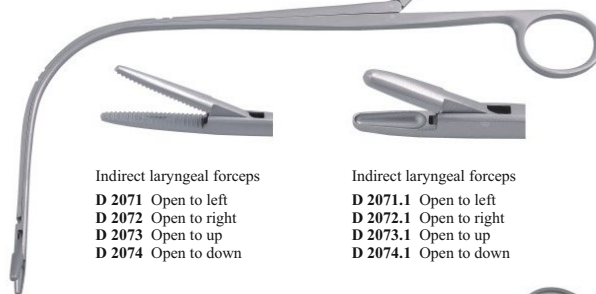
260mm, Fish bone catching forceps, new type
D 2040.1 Curved, open to up
D 2040.2 Open to left
D 2040.3



Indirect laryngeal forceps
D 2071 Open to left
D 2072 Open to right
D 2073 Open to up
D 2074 Open to down



Indirect laryngeal forceps
D 2071.1 Open to left
D 2072.1 Open to right
D 2073.1 Open to up
D 2074.1 Open to down



D 2058.1 6,5x17mm,
Tonsil forceps



D 2058.2 5,5x15mm,
Tonsil forceps



D 1009.1 112mm,
Laryngoscope blade



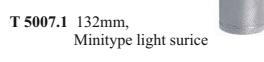
D 1010.1 132mm,
Laryngoscope blade



D 1008.1 92mm,
Laryngoscope blade



D 1007.1 77mm,
Laryngoscope blade



T 5007.1 132mm,
Minitype light surice



D 1009.2 100mm,
Laryngoscope blade



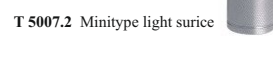
D 1008.2 92mm,
Laryngoscope blade



D 1007.2 80mm,
Laryngoscope blade



D 1010.2 130mm,
Laryngoscope blade



T 5007.2 Minitype light surice

MYJ-2 Anesthetic laryngoscope,
fiber optic

MYJ-3 Anesthetic laryngoscope,
with lamp



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Neurochirurgia



Laryngeal instruments



D 2057 Tonsil gland scissors



180mm, Tonsil hemostat
D 2060 Micro curved
D 2061 Angled curved
D 2060.1 Micro curved 200mm



D 2068 180mm, Thyroid scissors



D 2064 Tonsil elevator



Tonsil retractor
D 2065 2 claw, blunt head
D 2065.1 2 claw, sharp head



D 2078 250mm, Laryngotome

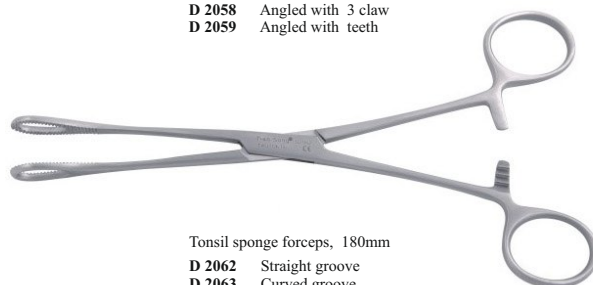


D 2079 250mm, Laryngeal needle

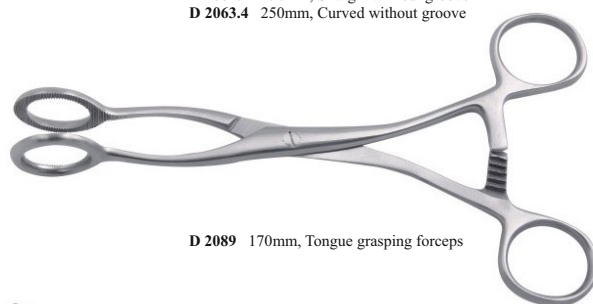


Tonsil holding forceps, 220mm

- D 2058** Angled with 3 claw
- D 2059** Angled with teeth



Tonsil sponge forceps, 180mm
D 2062 Straight groove
D 2063 Curved groove
D 2062.1 Straight without groove
D 2063.1 Curved without groove
D 2062.4 250mm, Straight without groove
D 2063.4 250mm, Curved without groove



D 2089 170mm, Tongue grasping forceps



D 2067 Tonsil retractor, elevator, double heads



D 2066 Tonsil knife



D 2066.1 Tonsil knife



D 2080 250mm, Laryngeal hook

D 2081 250mm, Handle



D 2097 230mm, B 1006
 Laryngeal electric coagulator with suction bipolar, flat 5x240mm/45°



Laryngeal electric coagulator with suction
D 2093.1 Ø3,5mm
D 2093.2 Ø2,5mm
D 2093.3 Ø2mm



Laryngeal electric hook M1002
D 2094.1 Ø3,5mm
D 2094.2 Ø2,5mm

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Neurochirurgia

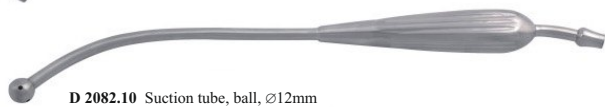
Laryngeal instruments



D 2082.5 Suction tube, Cylinder, Ø6mm



D 2082.6 Suction tube, Cylinder, Ø8mm



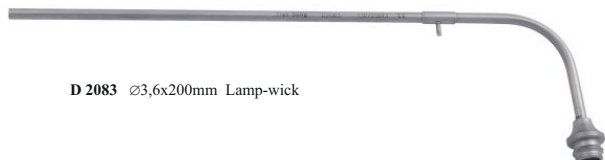
D 2082.10 Suction tube, ball, Ø12mm



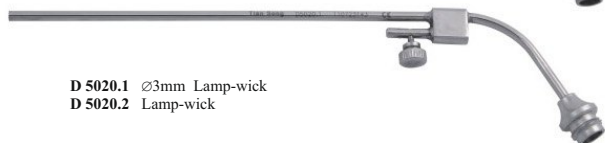
Suction tube 250mm
D 2082.1 Ø4mm
D 2082.2 Ø3mm
D 2082.3 Ø2,5mm



D 2095 Thyroid retractor, double heads



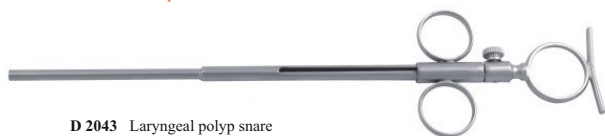
D 2083 Ø3,6x200mm Lamp-wick



D 5020.1 Ø3mm Lamp-wick
D 5020.2 Lamp-wick



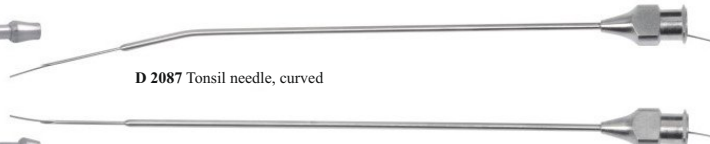
D 5020.4 **D 1017**
Lamp-wick



D 2043 Laryngeal polyp snare



Adenoidectome, cassette
D 2086.1 (L)
D 2086.2 (M)
D 2086.3 (S)



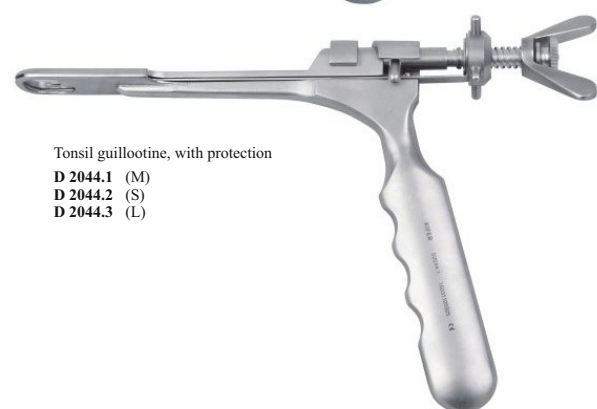
D 2087 Tonsil needle, curved



D 2088 Tonsil needle, straight



D 2044 Tonsil guillotine, three heads



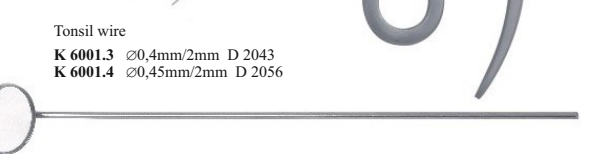
Tonsil guillotine, with protection
D 2044.1 (M)
D 2044.2 (S)
D 2044.3 (L)



D 2056 Tonsil snare, bayonet shaped



Tonsil wire
K 6001.3 Ø0,4mm/2mm **D 2043**
K 6001.4 Ø0,45mm/2mm **D 2056**



Pharyngoscope
D 1015.1 12mm, 19cm
D 1015.2 14mm, 19cm
D 1015.3 16mm, 19cm
D 1015.4 18mm, 19cm
D 1015.5 20mm, 19cm
D 1015.6 22mm, 19cm
D 1015.7 24mm, 19cm

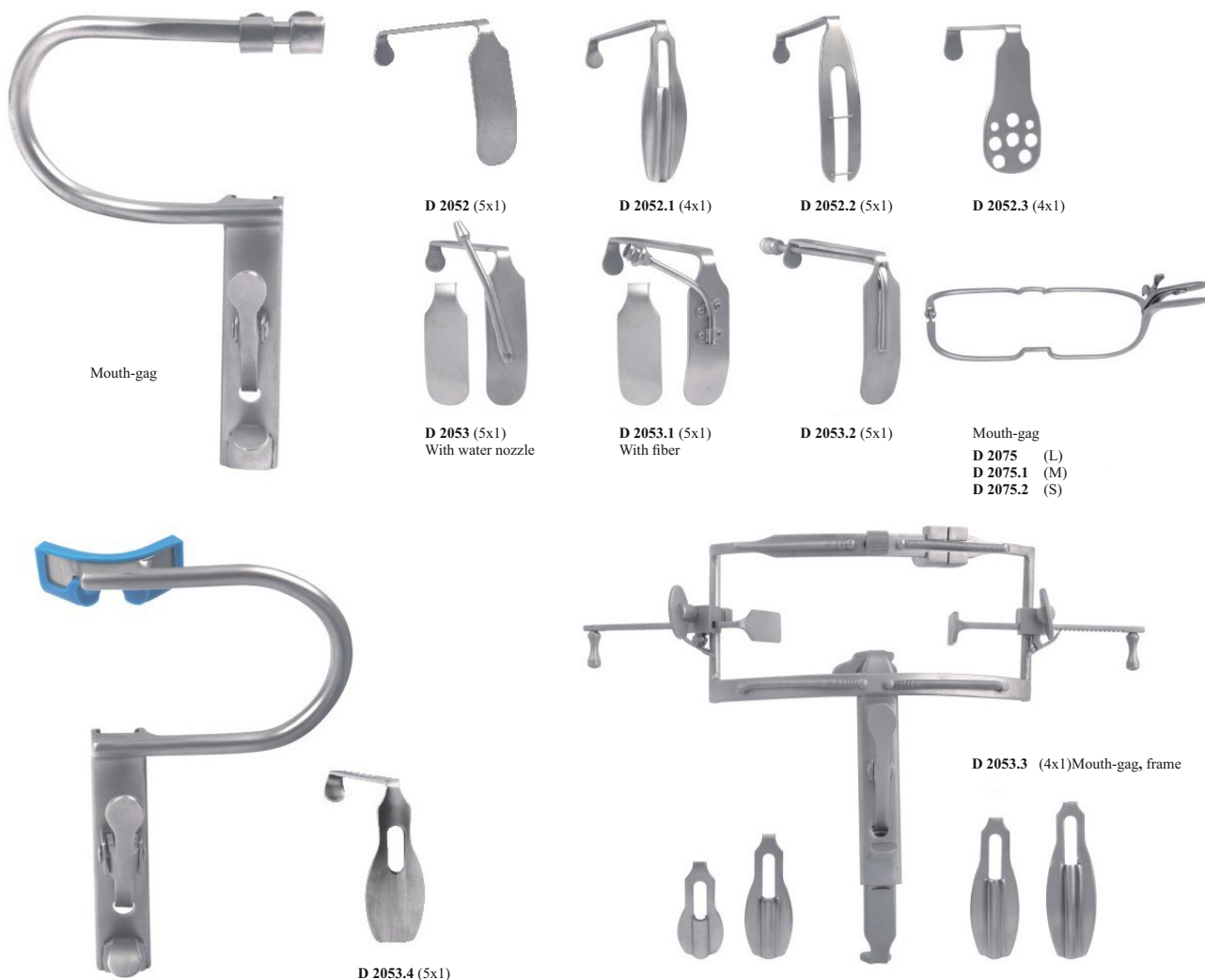




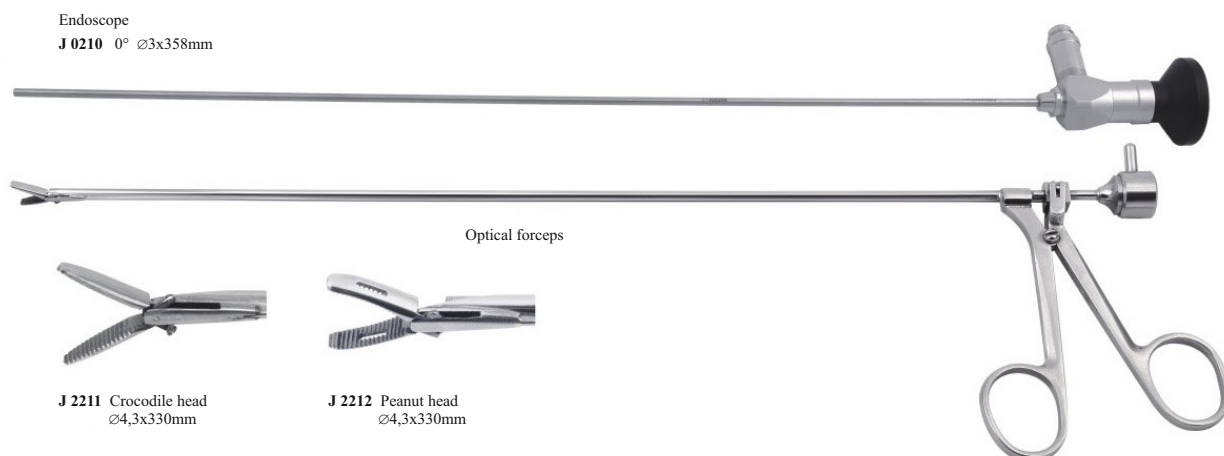
Neurochirurgia



Laryngeal instruments



Bronchoscopy instruments



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Neurochirurgia

Bronchoscopy instruments

Pediatric bronchoscope tube

J 1006 Ø4,2x250mm
J 1007 Ø4,6x250mm
J 1008 Ø5,2x260mm
J 1009 Ø5,6x260mm
J 1010 Ø6,3x260mm

J 1001 Ø3,5x200mm
J 1002 Ø4x200mm
J 1003 Ø4,5x250mm
J 1004 Ø5x300mm
J 1005 Ø5,5x350mm

Fibers inside for illumination

J 1011 Ø4x260mm
J 1012 Ø4,5x280mm
J 1013 Ø5x280mm
J 1014 Ø5,5x280mm
J 1015 Ø6x300mm

Adult bronchoscope tube

J 1016 Ø6,5x350mm
J 1017 Ø7x400mm

J 5001 (90°) Prismatic light deflector

J 1021 Ø4x260mm
J 1022 Ø4,5x280mm
J 1023 Ø5x280mm
J 1024 Ø5,5x280mm
J 1025 Ø6x300mm

J 1028 Endoscope bridge

J 1029 Sliding connector

J 1030 Connector with cap

J 1031 Connector with protective glass

J 1032 End stopper

Foreign body forceps Ø1,8x360mm



J 2001 Saw-toothed head
J 2001.1 Ø1,8x460mm



J 2001.2 New Saw-toothed head



J 2002 Ring head



J 2006.2 New Triticeous head



J 2003 Cup head



J 2003.2 New Cup head



J 2006 Triticeous head
J 2006.1 Ø1,8x460mm



J 2007 Crocodile head
J 2007.1 Ø1,8x460mm



J 2007.2 New Crocodile head



J 2008 Pen-sheath-carrying
Ø1,8x360mm



J 2010 Ball carrying



J 2010.2 New Ball-carrying
J 2010.4 Ø1,8x460mm



J 2011 Sharp head



J 2010.1 Ball catching serrated



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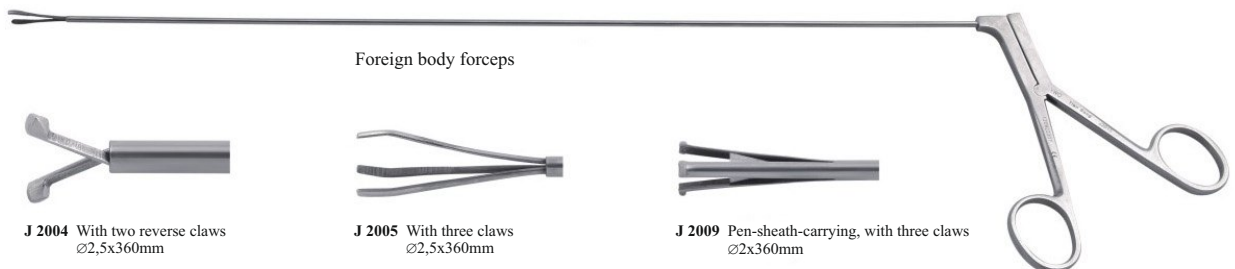
e-mail: medycyna@optec.pl



Neurochirurgia



Bronchoscopy instruments



J 2004 With two reverse claws
Ø2,5x360mm



J 2005 With three claws
Ø2,5x360mm



J 2009 Pen-sheath-carrying, with three claws
Ø2x360mm



J 2012 With two claws
Ø2,5x360mm



J 2013 Ring sharped
Ø2,5x360mm



J 2014 Front claw
Ø2,5x360mm



J 2015 Peanut head
Ø2,5x360mm



J 2030 Ø2x44mm
J 2031 Ø2,5x43mm
J 2032 Ø3x42mm
J 2033 Ø3,5x41mm



J 2017 Tracheal dilating forceps



Canula forceps of trachea
J 2016.1 200mm
J 2016.2 250mm



J 2017.1 Tracheal dilating forceps



Tracheal tube
J 1001.1 4mm
J 1001.2 5mm
J 1001.3 6mm
J 1001.4 7mm
J 1001.5 8mm
J 1001.6 9mm
J 1001.7 10mm
J 1001.8 11mm
J 1001.9 12mm
J 1001.10 13mm



Trigeminal tracheal tube
J 1002.1 4mm
J 1002.2 5mm
J 1002.3 6mm
J 1002.4 7mm
J 1002.5 8mm
J 1002.6 9mm
J 1002.7 10mm
J 1002.8 11mm
J 1002.9 12mm



Single tube of total throat
J 1003.1 9mm
J 1003.2 10mm
J 1003.3 11mm
J 1003.4 12mm
J 1003.5 13mm
J 1003.6 14mm



Double tube of total throat
J 1004.1 9mm
J 1004.2 10mm
J 1004.3 11mm
J 1004.4 12mm
J 1004.5 13mm
J 1004.6 14mm

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Neurochirurgia

Bronchoscopy instruments



Guthrie retractor



J 2019 Two claws



J 2019.1 Four claws



Three claws

J 2019.3 Sharp head
J 2019.6 Blunt head



Demarres retractor

J 2019.10 8mm

J 2019.11 10mm

J 2019.12 12mm

J 2019.13 14mm

J 2019.14 16mm

J 2019.15 18mm



Suction tube

J 2020.1 $\varnothing 2,5 \times 350 \text{mm}$

J 2020.2 $\varnothing 3 \times 350 \text{mm}$

J 2020.3 $\varnothing 4 \times 350 \text{mm}$

Esophagoscopy instruments



Esophagoscope tube

K 1001 8x10x200mm

K 1001.1 7,5x10x200mm

K 1001.2 8x11x180mm

K 1002.1 10x12x250mm

K 1002.2 10x12x300mm

K 1003.1 12x14x300mm

K 1003.2 12x14x350mm

K 1004 14x16x400mm



Esophagoscope tube, with fiber inside

K 1005 9x13x250mm

K 1005-D 7,5x10x250mm

K 1006 11x15x300mm

K 1007.1 10x16x360mm

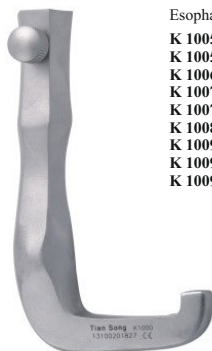
K 1007.2 10x16x400mm

K 1008 13x17x380mm

K 1009.1 12x18x250mm

K 1009.2 12x18x400mm

K 1009.3 12x18x450mm



K 1000 Handle



K 2014 Spatula, straight

K 2014.1 180mm, Spatula, straight



K 2014.2 180mm, Spatula, straight



K 2015 Spatula, curved



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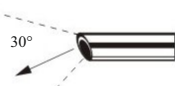
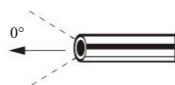
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Neurochirurgia



Ventriculoscapy instruments



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



Endoscope $\varnothing 2,7 \times 205 \text{ mm}$
N 0010 0°
N 0011 30°



N 1101 (21,9Fr) Working cannula



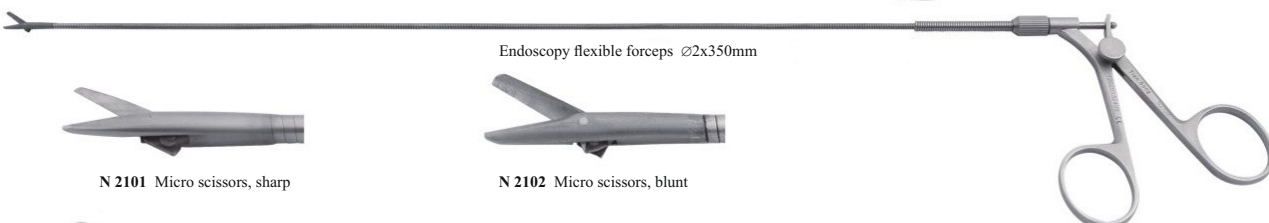
Electrode 305mm
N 3101 Hook **N 3102** Blunt
N 3103 Needle **N 3104** Bipolar electric coagulator



Suction tube 170mm
N 2105.1 $\varnothing 2,5 \text{ mm}$
N 2105.2 $\varnothing 3 \text{ mm}$
N 2105.3 $\varnothing 3,5 \text{ mm}$
N 2105.4 $\varnothing 4 \text{ mm}$
N 2105.5 $\varnothing 5 \text{ mm}$



N 1003 Endoscope holder



Endoscopy flexible forceps $\varnothing 2 \times 350 \text{ mm}$



N 2101 Micro scissors, sharp



N 2102 Micro scissors, blunt



N 2103 Micro biopsy forceps



N 2104 Micro grasping forceps

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Neurochirurgia

Endoscopy Camera System

NT-501

Endoscope Camera Documentation System

01. F-168D CCD camera, 480 lines
02. Coupler, F23, Water Proof
03. Pushcart, with multifunctional shelf
04. Computer, Intel/2G/500G/DVD Recorder
05. Monitor, 19"LCD
06. Printer, HP 4800DPI, high resolution print
07. Foot pedal
08. Video capture card, PHYLIPS chips 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, power full 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.



NT-618

Endoscope Camera System (Water Proof, LCD Panel)

01. 618 Single chip medical camera (LCD Panel), 480 lines, immersible camera lens from Japan
02. Coupler, Water Proof
03. Monitor, 15" SONY or 17" SAMSUNG
04. Pushcart, with multifunctional shelf



NT-638

Endoscope Camera System (Water Proof, LCD Panel)

01. 638 Three chip medical camera (LCD Panel), 800 lines, immersible camera lens from Japan
02. Coupler, Water Proof
03. Monitor, 21" SONY or 15" JVC
04. Pushcart, with multifunctional shelf



NT-668

Endoscope Camera System (Water Proof, HD)

01. 668 HD medical camera, 1080P immersible camera lens from Japan
02. Coupler, Water Proof
03. 26" PANASONIC medical HD monitor
04. Pushcart, with multifunctional shelf



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Neurochirurgia



Endoscopy Camera System

NT-688A

Endoscope Camera System

- 01. Full HD camera, LCD screen, 1080P immersible camera head for disinfection
- 02. Water proof coupler (Zoom coupler is optional)
- 03. 24 inch medical monitor (27 inch monitor is optional)
- 04. LED cold light source
- 05. Trolley with drawer and patch board



NT-268A

Endoscope Camera System

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



Surveillance Monitor



A 2502.16 Sony, 15 inch
A 2502.10 Sony, 21 inch
A 2502.22 Sony, 24 inch, High definition



A 2502.18 Panasonic, 26 inch, High definition



A 2502.23 Barco, 26 inch, High definition



A 2502.25 Sony, 24 inch, made in China



A 2502.24 Caring, 24 inch, High definition, made in China
A 2502.26 Caring, 15 inch, made in China

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Neurochirurgia

Light sources



M-OSW-LED-120-HCM-9698
Light source HCM 9698 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

Adapter do kabla uniwersalnego firmy Optec, nakręcany od strony przyrządu.



Stryker



Wolf



Storz/Olympus

Adapter ksenonowy/halogenowy do kabla uniwersalnego firmy Optec, nakręcany od strony źródła światła.



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



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Neurochirurgia



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

Medical instruments sterilizing boxes



A 0000.1
For Cystoscopy set 530x230x90mm



A 0000.2
For Resectoscope set 420x275x90mm



B 0000.3
For Sinuscopy instruments 380x210x70mm



B 0000.2
For Sinuscopy set 360x255x90mm



F 0000
For Electric hystera-cutter 560x275x140mm



19000100
Endoscope instruments in common use 500x245x70mm



B 0000
For Endoscope 280x70x50mm



B 0000.5
For Endoscope, autoclavable 255x71x36mm



E 0000
For Laparoscope 450x90x45mm



B 0000.4
For Endoscope 255x71x36mm



A 0000.4
For Endoscope, autoclavable 390x71x36mm

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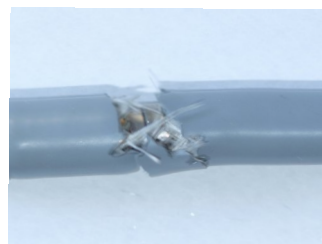
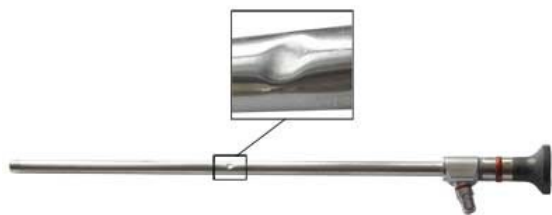


Neurochirurgia

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, sinuscopy, etc.),
- endoskopów giętkich (fiberoskopy, gastroskopy, kolonoskopy, nasofaryngoskopy, etc.),
- światłowodów medycznych oświetleniowych,
- światłowodów do laserów,
- elementów światłowodowych haków chirurgicznych, rektoskopów, amnioskopów, anoskopów, wagnioskopów.

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.**



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Neurochirurgia



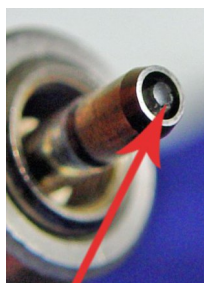
Usługi serwisowe

Naprawa światłowodów

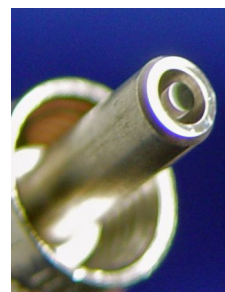
Specjalizujemy się w naprawach wszystkich typów światłowodów, w tym kabli do laserów i aparatury optoelektronicznej.

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

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OPTEC s.c. jest firmą z ponad 20-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).



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