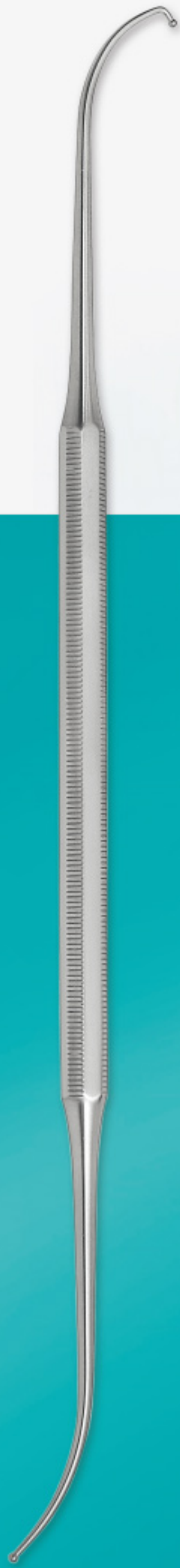


RZ  
Medizintechnik  
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*Progress in Surgery*

FEEL  
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SENSES





# OTOLOGY

Instruments and  
Equipment for  
Otology



100-041-200 240V  
100-041-201 110V

Otoskop LED Set im Etui

Inhalt:

- Röhren mit 4 schwarzen, wiederverwendbaren Ohrtrichtern, Größen 2-5mm und je 3 blauen Einwegohrtrichtern 2,5mm (L1/L2) bzw. 2mm (L3) und 4mm
- Operationslinse mit 4-fach Vergrößerung (nur bei L3 im Lieferumfang enthalten)
- Etui mit Sicherheitsverschluss
- Eine Ersatzlampe

Content:

- Tubes with 4 black, reusable ear specula, sizes 2-5mm and each with 3 blue 2.5mm (L1/L2) or 2mm (L3) and 4mm disposable ear specula
- Operation lens with 4-fold magnification (included only with L3)
- Deluxe hard case with safety catch
- One spare lamp



100-041-202 240V  
100-041-203 110V

Diagnostic LED Set

Inhalt:

- FO Otoskop
- FO Nasenspekulum
- FO Zungenspatelhalter
- Ersatzlampe
- Röhren mit 4 schwarzen, wiederverwendbaren Ohrtrichtern, Größen 2-5mm und je 3 blauen Einwegohrtrichtern 2,5mm (L1/L2) bzw. 2mm (L3) und 4mm
- Operationslinse mit 4-fach Vergrößerung (nur bei L3 im Lieferumfang enthalten)
- Etui mit Sicherheitsverschluss

Content:

- FO Otoskope
- FO nasal speculum
- FO tongue blade holder
- Replacement bulb
- Tubes with 4 black, reusable ear specula, sizes 2-5mm and each with 3 blue 2.5mm (L1/L2) or 2mm (L3) and 4mm disposable ear specula
- Operation lens with 4-fold magnification (included only with L3)
- Deluxe hard case with safety catch



100-041-207

100-041-206

100-041-207

Li-Ionen Akku 3.5V für Otoskop Sets 100-041-200/-201-/202/-203

Li-Ionen Rechargeable Battery 3.5V

for Otoscope Sets 100-041-200/-201-/202/-203

100-041-206

Li-Ionen Akku 3.5V für Otoskop Set 100-041-204

Li-Ionen Rechargeable Battery 3.5V for Otoscope Set 100-041-204



100-041-204 240V

100-041-205 110V

Deluxe Diagnostic LED Set

Inhalt:

- FO Otoskop
- FO Ophthalmoskop
- FO Nasenspekulum
- FO Zungenspatelhalter
- FO Lampenträger
- Röhren mit 4 schwarzen, wiederverwendbaren Ohrtrichtern, Größen 2-5mm und je 3 blauen Einwegohrtrichtern 2,5mm (L1/L2) bzw. 2mm (L3) und 4mm
- Zwei Kehlkopfspiegel Nr. 3 und Nr. 4
- Etui mit Sicherheitsverschluss
- Zwei Ersatzlampen

Content:

- FO Otoloscope
- FO Ophthalmoscope
- FO nasal speculum
- FO tongue blade holder
- FO bent-arm illuminator
- Tubes with 4 black, reusable ear specula, sizes 2-5mm and each with 3 blue 2.5mm (L1/L2) or 2mm (L3) and 4mm disposable ear specula
- Two laryngeal mirrors No. 3 and No. 4
- Deluxe hard case with safety catch
- Two spare lamps



100-041-208

LADEGERÄT für Otoskop 100-041-204, 240V

CHARGER for Otoscope 100-041-204, 240V

100-041-209

LADEGERÄT für Otoskop 100-041-205, 120V

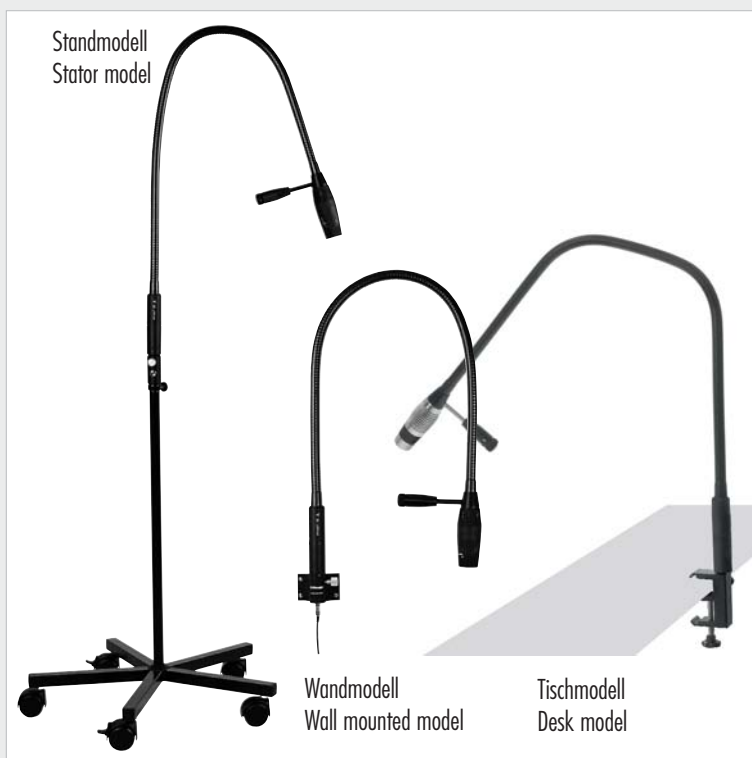
CHARGER for Otoscope 100-041-205, 120V

MODERNE Untersuchungsleuchte mit optimaler Halogenbeleuchtung 8V, geeignet für kleinere Operationen in Praxen von Gynäkologen oder Zahnärzten und für Diagnosen in anderen medizinischen Bereichen. Die fokussierbare Linse an der Vorderseite des Kopfes ermöglicht eine optimale Einstellung der Größe des beleuchteten Untersuchungsfeldes. Die Lichtstärke kann mit Hilfe des seitlich angebrachten Rheostates reguliert werden. Der hochflexible Spezialarm kann in alle Richtungen bewegt werden und bleibt in jeder Position fest stehen. Das Gerät ist als Tischmodell, Wandmodell oder als Standmodell mit Stativ (Basisinheit mit zum Teil antistatischen und fixierbaren Rollen und Stange) aus pulverbeschichtetem Stahl erhältlich. Durch die praktische Universalklemme kann das Tischmodell auch an Betten oder Wandschienen in Krankenhäusern angebracht werden.

Very attractive state-of-the art examination light with optimal halogen illumination 8V suitable for operations in offices of gynaecologists dentists and for diagnosis in other medical fields. The focussing lens at the instrument head allows to adjust the size of the illuminated examination field. The light intensity can be adjusted by means of the rheostat. The highly flexible special arm can be moved in all directions and remains in the requested position. The examination light is available as desk model, wall model or stand model with mobile stainless steel stand (base with partly antistatic and partly fixable casters and column), gray powder-coated. The practical universal clamp allows to attach the desk model also to beds or rails in hospitals.



100-200-220 220V  
100-200-110 110V  
Untersuchungsleuchte mit Halogenlampe 8V  
Examination light with halogen illumination 8V



100-201-220 220V  
100-201-110 110V  
Diagnostik Tischmodell, mit Halogenbeleuchtung 8V  
Diagnostic desk modell, with halogen illumination 8V

100-202-220 220V  
100-202-110 110V  
Diagnostik Wandmodell, mit Halogenbeleuchtung 8V  
Diagnostic wall mounted model, with halogen illumination 8V

100-203-220 220V  
100-203-110 110V  
Diagnostik Standmodell, mit Halogenbeleuchtung 8V  
Diagnostic stator model, with halogen illumination 8V



100-103-001  
Transformator, 220 Volt  
Transformer, 220 volt

100-103-003  
Transformator, 120 Volt  
Transformer, 120 volt



### 100-102-100

XENON OP Stirnleuchte, Stirnband schwarz, KI-Kabel geteilt,  
Stirnband mit Kopfbügel

XENON OP Headlight, black head band, super light-weight,  
leather padded FO cable bifurcated, top headband

Distanz/Distance	Spot Ø
20 cm	11 mm - 67 mm
30 cm	12 mm - 101 mm
40 cm	13 mm - 136 mm
50 cm	14 mm - 172 mm
60 cm	16 mm - 208 mm



### 100-103-100

Kopfleuchte mit Kaltlichtkabel Adaptern zur Verwendung an üblichen  
Kaltlichtquellen, mit Lederpolsterung

Head Light with light cable for use with all common light sources,  
with leather pad at silicone band



### 100-103-120

FO Mini Stirnleuchte STANDARD, fokussierbar,  
ergonomisches Stirnband, 2,6mm Ø FO Kabel

FO Head Light STANDARD, focussable, ergonomical  
head band, 2.6mm Ø FO cable



100-104-000

**CLAR**

Stirnlampe 55, komplett, 6 V, mit Celluloidband  
Head Light 55, complete, 6 V, with Celluloidband

100-104-001

Weißes Stirmband aus Celluloid allein, zur Stirnlampe 100-104-000  
White celluloid headband only, for head light 100-104-000

100-104-002

Reflektor allein, für Stirnlampe 100-104-000  
Mirror only, for head light 100-104-000

100-104-006

Ersatz-Birnchen allein, 6Volt  
Spare bulb, 6 volt

100-104-003

Ersatz-Schaumgummipolsterung für Stirmband 100-104-001  
Spare foam rubber pad, for headband 100-104-001



100-104-200

Miniatur Clar 73 Stirnlampe, Fiberglas-Leitung  
Mini Clar 73 head light with fiberoptic light carrier



100-103-300

Power LED Kopfleuchte, mit Li-Ionen Batterie, Stirmband  
mit stufenlosem Einstellrad, inkl. Ladegerät  
Power LED Head light with Li-Ion battery, head band with  
stepless regulation wheel, including charger



100-103-400

LED Kopfleuchte mit Li-Ionen Batterie, Stirnband mit stufenlosem Einstellrad, inkl. Ladegerät  
LED Head light with Li-Ion battery, head band with stepless regulation wheel, including charger



100-104-020

CLAR LED Stirnlampe 55, mit Batteriebox, komplett  
CLAR LED Head Light 55, with battery box, complete



100-100-005

Jansen Stirnlampe, 6 V, mit breitem Plastikstirnband  
Jansen Head Light, 6V, with wide plastic head band





100-100-002

**ZIEGLER**

Stirnband aus Kunststoff allein, schwarz  
Headband, plastic, black

100-100-003

**ZIEGLER**

Stirnband aus Kunststoff allein, weiß  
Headband, plastic, white



100-105-010

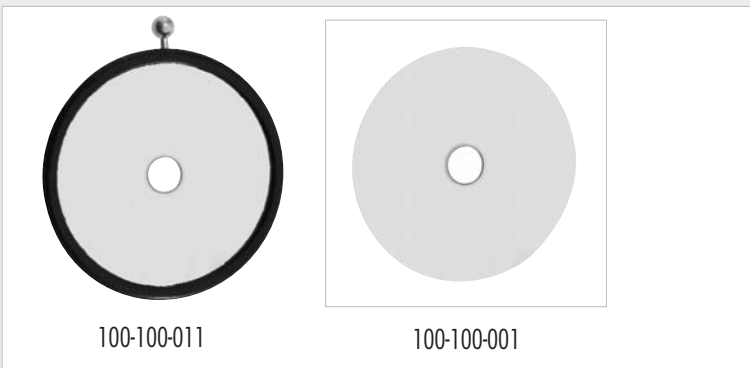
**MURPHY**

Stirnband aus Celluloid, weiß, allein  
Headband, celluloid, white

100-100-006

Doppelgelenk aus Metall

Double joint of metal



100-100-011

**ZIEGLER** Ø 90 mm

Spiegel allein, mit Gummifassung  
Head mirror only, rubber coated

100-100-001

**ZIEGLER**

Reflektionsspiegel allein, 90 mm Ø, mit Metallrand  
Head mirror only, 90 mm Ø, with metal-coating

100-100-000

**ZIEGLER** dito, 100 mm Ø / same, 100 mm Ø



Adapterstücke / Adaptor pieces

250-039-000 RZ/Storz

250-038-000 ACMI/British Standard CUDA

250-048-000 Luxtec

250-051-000 Stryker

250-037-000 Wolf

250-044-000 Olympus

250-045-000 Olympus - Standard

250-052-000 Heine

250-059-000 Pentax



100-610-100

Kopflupe, 1.8 x Vergrößerung mit verstellbarem Kopfband  
Head Loup, 1.8x magnification with adjustable head band



100-310-100

**FRENZEL**

Nystagmus-Leuchtblille, mit festen Gläsern  
Nystagmus spectacles with fixed lenses



100-310-200

**FRENZEL**

Nystagmus-Leuchtblille mit aufklappbaren Gläsern  
Nystagmus spectacles with hinged lenses



100-310-300

**FRENZEL**

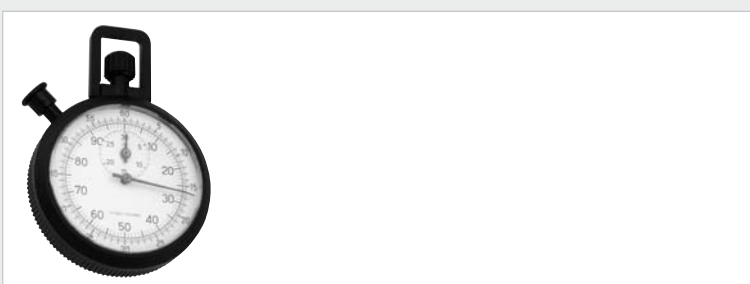
Nystagmus- Leuchtblille, mit angebautem Batterie-Handgriff und festen Gläsern  
Nystagmus spectacles, with battery attachment, fixed lenses

100-310-310

Batteriegriff allein, für 100-310-300  
Battery handle only, for 100-310-300

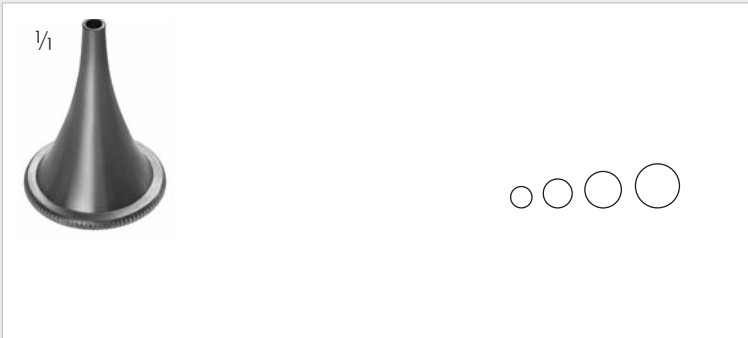
100-310-311

Ersatzlampe, 4 Volt, für Nystagmusbrillen  
Spare bulb, 4 volt, for Nystagmus Spectacles



100-310-410

Stoppuhr 1/5 Sek. und 1/100 Min  
Stopwatch 1/5 sec. and 1/100 min

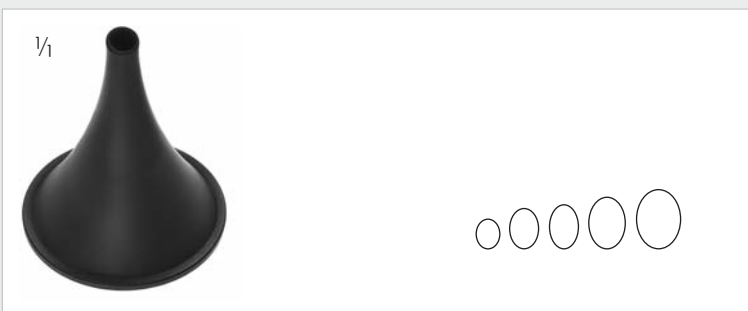


- 410-009-003 Innen/inner Ø: 2mm, Außen/outer Ø: 3mm
- 410-009-004 Innen/inner Ø: 3mm, Außen/outer Ø: 4mm
- 410-009-005 Innen/inner Ø: 4mm, Außen/outer Ø: 5mm
- 410-009-006 Innen/inner Ø: 5mm, Außen/outer Ø: 6mm
- 410-009-100 Satz aus 4 Teilen / Set of 4 pieces

**POLITZER**

Ohrspekula rund, gerade, 19mm Ø Rändel, 27mm Länge, rostfrei, für Kinder

Aural Speculum round, 19mm knurl Ø, straight, 27mm length, stainless, for children

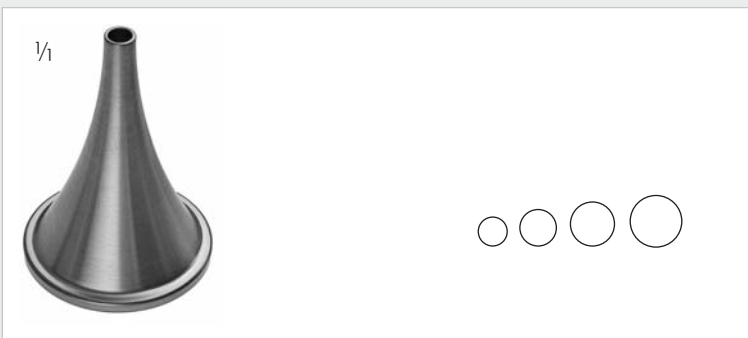


- 410-011-001 Außen/outer Ø: 3.3x4.1mm
- 410-011-002 Außen/outer Ø: 4.0x5.5mm
- 410-011-003 Außen/outer Ø: 5.0x7.5mm
- 410-011-004 Außen/outer Ø: 6.0x8.5mm
- 410-011-005 Außen/outer Ø: 7.0mmx9.5mm
- 410-011-100 Satz aus 5 Teilen / Set of 5 pieces

**SHEA**

Ohrspekula oval, abgeschrägt, geschwärzt, 38mm Länge

Aural Speculum oval, angled, black finish, 38mm length

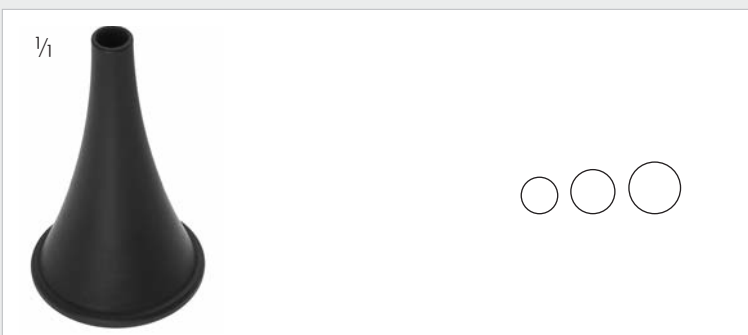


- |             | Innen/inner Ø                     | Außen/outer Ø |
|-------------|-----------------------------------|---------------|
| 410-014-004 | 3mm                               | 4mm           |
| 410-014-005 | 4mm                               | 5mm           |
| 410-014-006 | 5mm                               | 6mm           |
| 410-014-007 | 6mm                               | 7mm           |
| 410-014-100 | Satz aus 4 Teilen/Set of 4 Pieces |               |

**TOYNBEE**

Ohrspekula rund, gerade 36mm Länge

Aural Speculum round, straight, 36mm length

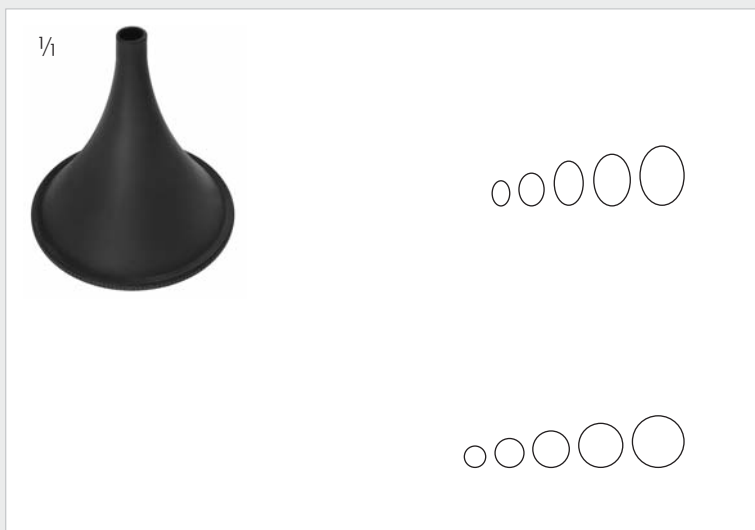


- |             | Innen/inner Ø                     | Außen/outer Ø |
|-------------|-----------------------------------|---------------|
| 410-014-105 | 4mm                               | 5mm           |
| 410-014-106 | 5mm                               | 6mm           |
| 410-014-107 | 6mm                               | 7mm           |
| 410-014-110 | Satz aus 3 Teilen/Set of 3 Pieces |               |

**TOYNBEE**

Ohrspekula rund, geschwärzt, 40mm Länge

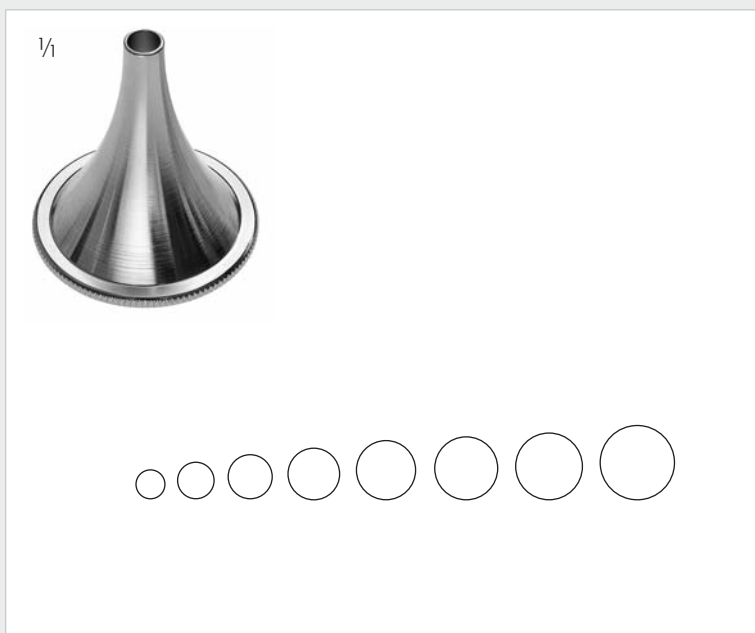
Aural Speculum round, black finish, 40mm length



- 410-015-001 Außen/outer  $\varnothing$ : 2.5x3.5mm
- 410-015-002 Außen/outer  $\varnothing$ : 3.5x4.5mm
- 410-015-003 Außen/outer  $\varnothing$ : 4.0x6.0mm
- 410-015-004 Außen/outer  $\varnothing$ : 5.0x7.0mm
- 410-015-005 Außen/outer  $\varnothing$ : 4.0x8.0mm
- 410-015-100 Satz aus 5 Teilen / Set of 5 pieces
- 410-016-001 Außen/outer  $\varnothing$ : 3mm, rund/round
- 410-016-002 Außen/outer  $\varnothing$ : 4mm, rund/round
- 410-016-003 Außen/outer  $\varnothing$ : 5mm, rund/round
- 410-016-004 Außen/outer  $\varnothing$ : 6mm, rund/round
- 410-016-005 Außen/outer  $\varnothing$ : 7mm, rund/round
- 410-016-100 Satz aus 5 Teilen / Set of 5 pieces

**ROSEN**

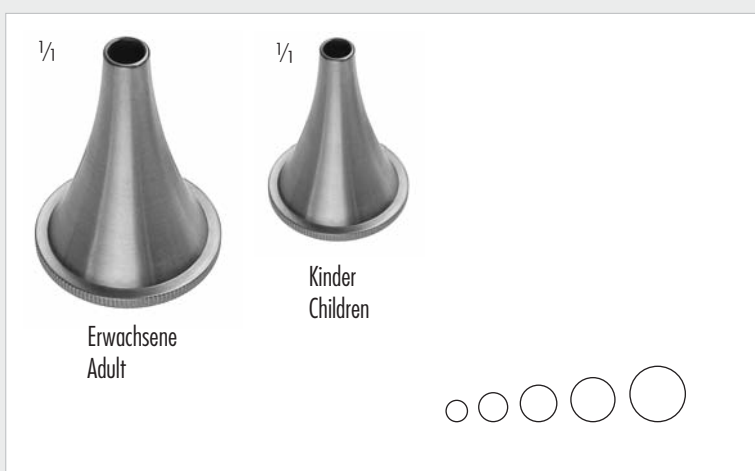
Ohrspekula gerade, geschwärzt, 38mm Länge  
Aural Speculum straight, black finish, 38mm length



- 410-018-004 Innen/inner  $\varnothing$ : 3mm, Außen/outer  $\varnothing$ : 4mm  
Länge/length: 31mm
- 410-018-005 Innen/inner  $\varnothing$ : 4mm, Außen/outer  $\varnothing$ : 5mm  
Länge/length: 32mm
- 410-018-006 Innen/inner  $\varnothing$ : 5mm, Außen/outer  $\varnothing$ : 6mm  
Länge/length: 33mm
- 410-018-007 Innen/inner  $\varnothing$ : 6mm, Außen/outer  $\varnothing$ : 7mm  
Länge/length: 34mm
- 410-018-008 Innen/inner  $\varnothing$ : 7mm, Außen/outer  $\varnothing$ : 8mm  
Länge/length: 35mm
- 410-018-085 Innen/inner  $\varnothing$ : 7.6mm, Außen/outer  $\varnothing$ : 8.5mm  
Länge/length: 36mm
- 410-018-009 Innen/inner  $\varnothing$ : 8mm, Außen/outer  $\varnothing$ : 9mm  
Länge/length: 36mm
- 410-018-010 Innen/inner  $\varnothing$ : 8mm, Außen/outer  $\varnothing$ : 10mm  
Länge/length: 37mm

**BOUCHERON**

Ohrspekula rund, gerade, verchromt  
Ear speculum, round, straight end, chrome plated



- Erwachsene/Adult: 36mm Länge/length
- 410-019-030 Außen/outer  $\varnothing$ : 3mm
  - 410-019-040 Außen/outer  $\varnothing$ : 4mm
  - 410-019-050 Außen/outer  $\varnothing$ : 5mm
  - 410-019-060 Außen/outer  $\varnothing$ : 6mm
  - 410-019-075 Außen/outer  $\varnothing$ : 7.5mm

- Kinder/Children: 27mm Länge/length
- 410-019-003 Außen/outer  $\varnothing$ : 3mm
  - 410-019-004 Außen/outer  $\varnothing$ : 4mm
  - 410-019-005 Außen/outer  $\varnothing$ : 5mm

**HARTMANN**

Ohrspekula rund, gerade, rostfrei  
Aural Speculum round, straight, stainless



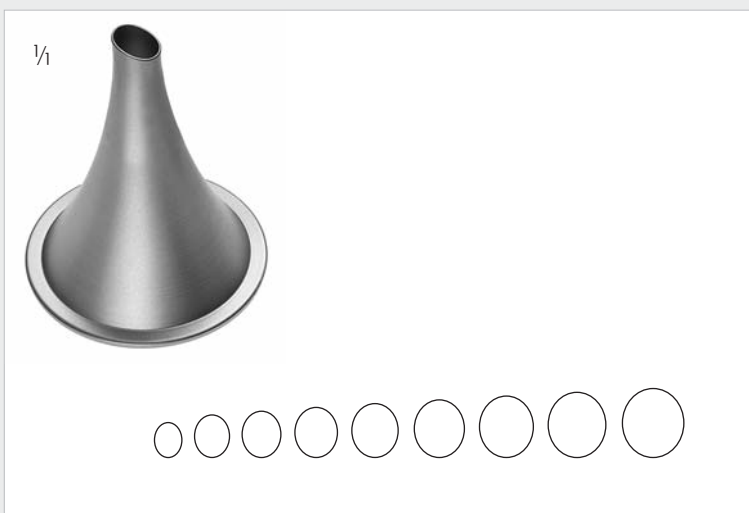
	Innen/inner Ø	Außen/outer Ø
410-021-001	3x4mm	3.8x4.8mm
410-021-002	4x5mm	4.8x5.8mm
410-021-003	4.5x5.5mm	5.3x6.3mm
410-021-004	5x6mm	5.8x6.8mm
410-021-005	5.5x6.5mm	6.3x7.3mm
410-021-006	6x7mm	6.8x7.8mm
410-021-007	6.5x7.5mm	7.3x8.3mm
410-021-008	7x8mm	7.8x8.8mm
410-021-009	7.5x8.5mm	8.3x9.3mm
410-021-000	Satz mit 9 Stück Set of 9 pieces	

**FARRIOR**  
 Ohrspekula oval, gerade, 43mm, rostfrei  
 Aural Speculum oval, straight, 43mm, stainless



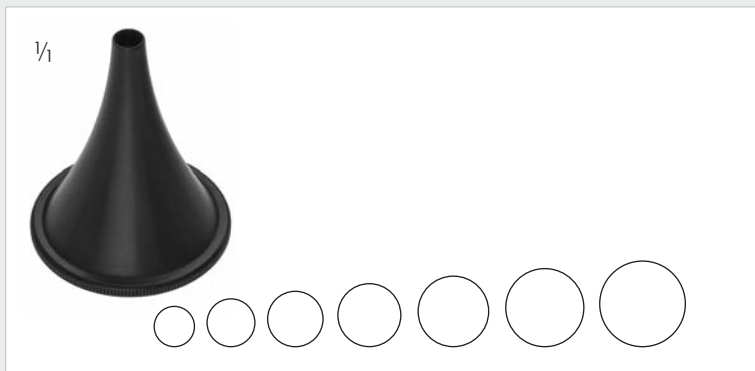
	Innen/inner Ø	Außen/outer Ø
410-022-001	3.3mm	4.1mm
410-022-002	4.3mm	5.1mm
410-022-003	4.8mm,	5.6mm
410-022-004	5.3mm	6.1mm
410-022-005	5.8mm	6.6mm
410-022-006	6.3mm	7.1mm
410-022-007	6.7mm	7.5mm
410-022-008	7.2mm	8.0mm
410-022-009	7.7mm	8.5mm
410-022-000	Satz aus 9 Teilen Set of 9 Pieces	

**FARRIOR**  
 Ohrspekula rund, gerade, 35mm Ø Rändel, 43mm Länge, rostfrei  
 Aural Speculum round, 35mm knurl Ø, straight, 43mm length, stainless



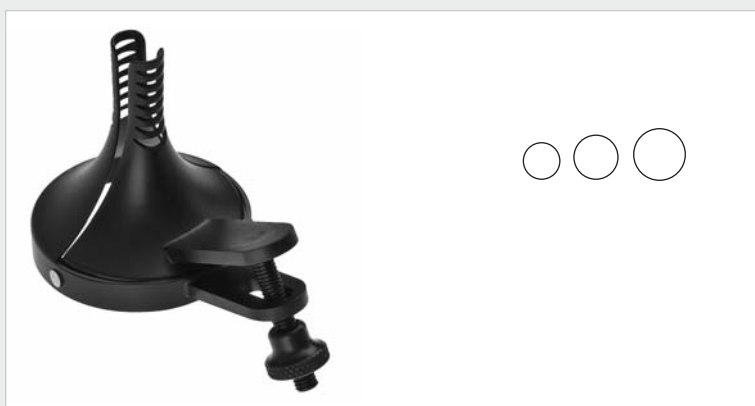
	Innen/inner Ø	Außen/outer Ø
410-023-001	3x4mm	3.8x4.8mm
410-023-002	4x5mm	4.8x5.8mm
410-023-003	4.5x5.5mm	5.3x6.3mm
410-023-004	5x6mm	5.8x6.8mm
410-023-005	5.5x6.5mm	6.3x7.3mm
410-023-006	6x7mm	6.8x7.8mm
410-023-007	6.5x7.5mm	7.3x8.3mm
410-023-008	7x8mm	7.8x8.8mm
410-023-009	7.5x8.5mm	8.3x9.3mm
410-023-000	Satz mit 9 Stück Set of 9 pieces	

**FARRIOR**  
 Ohrspekula oval, 20° abgeschrägt, 43mm, rostfrei  
 Aural Speculum oval, 20° oblique end, 43mm, stainless



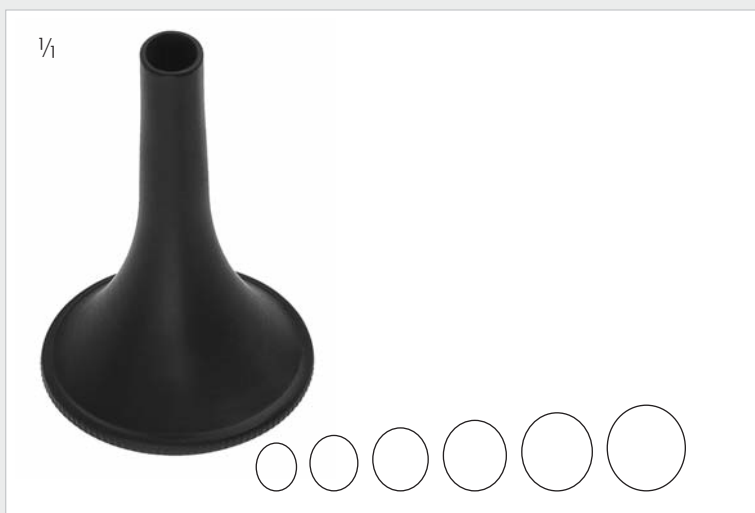
	Innen/inner Ø	Außen/outer Ø
410-024-001	4.5mm	5.5mm
410-024-002	5.5mm	6.5mm
410-024-003	6.5mm	7.5mm
410-024-004	7.5mm	8.5mm
410-024-005	8.5mm	9.5mm
410-024-006	9.5mm	10.5mm
410-024-007	10.5mm	11.5mm

**FARRIOR**  
 Ohrspekula rund, gerade, 36mm, geschwärzt  
 Aural Speculum round, 36mm straight end, black finish



	Innen/inner Ø	Außen/outer Ø
410-032-050	4mm	5mm
410-032-060	5mm	6mm
410-032-070	6mm	7mm

**HOLMGREN**  
 Ohrspekula, selbsthaltend, geschwärzt  
 Aural Speculum, self retaining, black finish



	Innen/inner Ø	Außen/outer Ø
410-132-001	4.5x5.5mm	5.5x6.5mm
410-132-002	5.5x6.5mm	6.5x7.5mm
410-132-003	6.5x7.5mm	7.5x8.5mm
410-132-004	7.5x8.5mm	8.5x9.5mm
410-132-005	8.5x9.5mm	9.5x10.5mm
410-132-006	9.5x10.5mm	10.5x11.5mm

**ZOELLNER**  
 Ohrspekula oval, gerade, geschwärtzes Aluminium, 38mm Länge  
 Aural Speculum oval, straight, black finished aluminium, 38mm length



170-786-030	30mm Blatt/blade
170-786-050	50mm Blatt/blade
170-786-075	75mm Blatt/blade

**SCHWABER**  
 Gelenk Spekula, 165mm  
 Specula with hinge, 6 1/2 inch



410-150-000 Satz à 4 Stück / Set of 4 sizes

410-150-003 410-150-004 410-150-005



Ø 7,5 mm



Ø 8,0 mm



Ø 9,0 mm

410-150-006



Ø 12,0 mm

**BRUENINGS**

Anastigmatische Ohrlupe, komplett mit: 1 Lupenkörper voll 410-150-007, 4 Ohrspekula, 1 Saugball mit Gummischlauch und Steckkonus 410-150-008

Aural magnifier, anastigmatic, complete with: 1 diagnostic head 410-150-007, 4 Ear specula, 1 rubber bulb with rubber tube and connection cone 410-150-008



410-150-100 Satz à 6 Stück / Set of 6 sizes

410-150-001 410-150-002 410-150-003



Ø 5,3 mm



Ø 6,5 mm



Ø 7,5 mm

410-150-004 410-150-005 410-150-006



Ø 8,0 mm



Ø 9,0 mm



Ø 12,0 mm

**BRUENINGS**

Anastigmatische Ohrlupe, komplett mit: 1 Lupenkörper voll 410-150-007, 1 Lupenkörper mit Segment-Ausschnitt, 6 Ohrspekula, 1 Saugball mit Gummischlauch und Steckkonus 410-150-008

Aural magnifier, anastigmatic, complete with: 1 diagnostic head 410-150-007, 1 operating head, 6 ear specula, 1 rubber tube and connection cone 410-150-008



250-066-275

**LEYLA**

Ohrspekulahalter komplett, einstellbar zum Befestigen an Kopfbügel oder Stange des OP-Tisches. Der Arm wird durch den Spannhebel über einen Exzenter gespannt und in fixe Stellung gebracht.  
Aural specula holder, flexible, for attaching to head bow or to the railing of operating table. The flexible part can be put in any fixed position by means of the wing-screw attached to an eccentric.



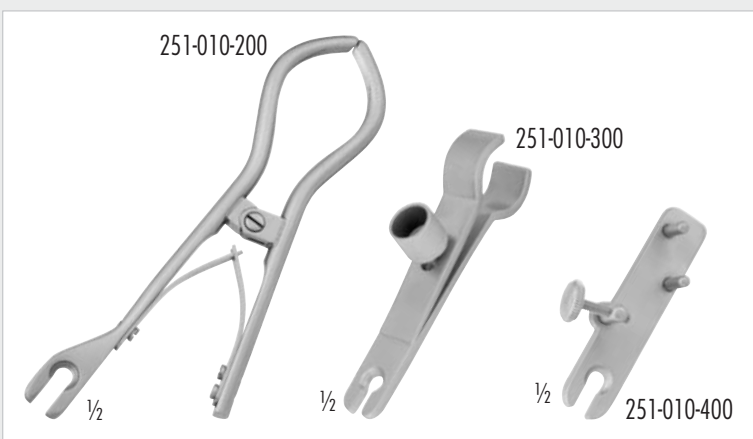
251-010-000

**RZ**

Flexibler Arm komplett mit Haltestange ohne Gelenkkloben  
Flexible Arm complete with holding rod without Rotating Clamp

251-010-100

Gelenkkloben für flexiblen Spannarm zur Befestigung am OP-Tisch  
Rotating clamp for flexible tension arm attachable to operating table



251-010-200

Ohrspekula Halter für flexiblen Spannarm  
Aural specula holder for flexible arm

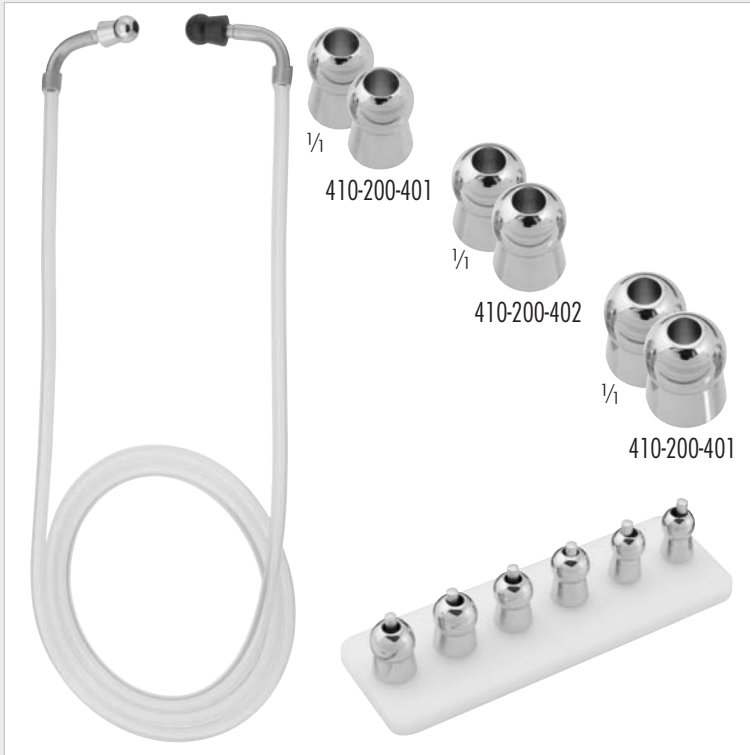
251-010-300

Endoskop Halterung für flexiblen Spannarm  
Endoscope clamp for flexible arm

251-010-400

Nasenspekula Halterung für flexiblen Spannarm  
Nasal specula clamp for flexible arm





#### 410-200-400

Hörschlauch mit 6 Oliven in 3 Größen auf weißer Kunststoffplatte,  
Schlauch mit Winkelstück, Arztolive schwarz

2 Oliven Gr.1	410-200-401
2 Oliven Gr.2	410-200-402
2 Oliven Gr.3	410-200-403
1 Olive schwarz	410-200-404
1 Kunststoffplatte	410-200-405
1 Schlauch	410-200-406
2 Winkelstücke	410-200-407

Auditory tube, complete with:

6 aural pieces in 3 sizes on plastic baseplate, tube with metal elbow,  
physician ear piece black

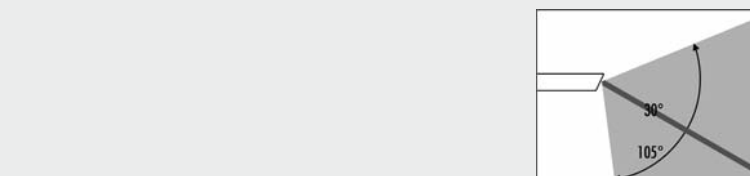
2 aural pieces, size 1	410-200-401
2 aural pieces, size 2	410-200-402
2 aural pieces, size 3	410-200-403
1 aural piece, black	410-200-404
1 plastic base-plate	410-200-405
1 rubber tube	410-200-406
1 metal elbows	410-200-407



#### 410-004-000

Otoskop, 0°, Ø 4 mm, Arbeitslänge 50 mm

Otoscope, 0°, Ø 4 mm, working length 2 inch



#### 410-004-030

Otoskop , 30°, Ø 4 mm, Arbeitslänge 50 mm

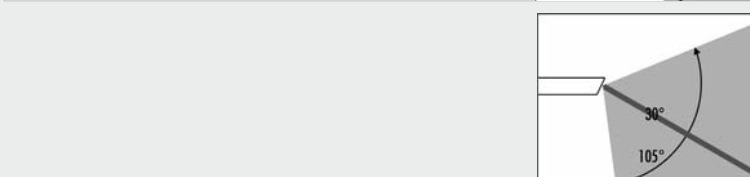
Otoscope , 30°, Ø 4 mm, working length 2 inch



#### 410-027-000

Otoskop, 0°, Ø 2,7 mm, Arbeitslänge 41 mm

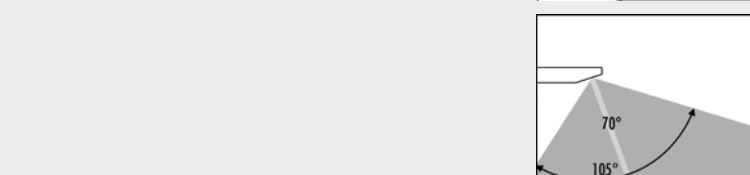
Otoscope, 0°, Ø 2.7 mm, working length 1 1/2 inch



#### 410-027-030

Otoskop , 30°, Ø 2,7 mm, Arbeitslänge 41 mm

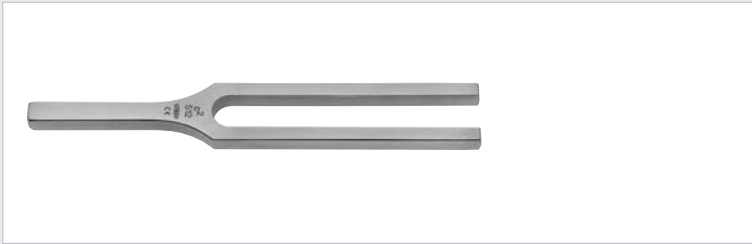
Otoscope , 30°, Ø 2.7 mm, working length 1 1/2 inch



#### 410-027-070

Otoskop , 70°, Ø 2,7 mm, Arbeitslänge 110 mm

Otoscope , 70°, Ø 2.7 mm, working length 4 1/3 inch



410-185-010 = c 128    410-185-110 = c1 256  
 410-185-210 = c2 512    410-185-310 = c3 1024  
 410-185-410 = c4 2048    410-185-510 = c5 4096

**HARTMANN**

Stimmgabel  
 Tuning fork



410-174-128 = c 128    410-174-256 = c1 256  
 410-174-512 = c2 512    410-174-102 = c3 1024  
 410-174-204 = c4 2048

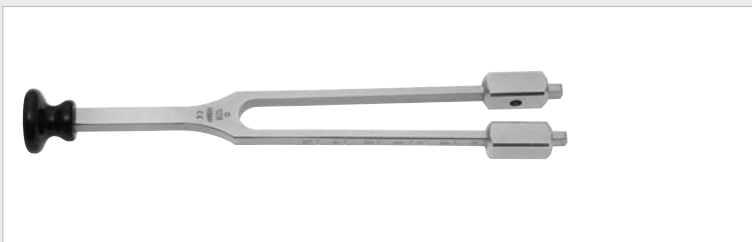
**LUCAE**

Stimmgabel mit Fuß  
 Tuning fork with platform



410-190-440 = c1 440

Stimmgabel mit Fuß  
 Tuning fork with platform



410-175-128 = c 128

**LUCAE**

Stimmgabel für den Neurologen, mit Fuß und Dämpfer  
 Tuning fork ( for neurologists), with platform and clamps



410-195-010 = c 128

410-195-110 = c1 256

**HARTMANN**

Stimmgabel mit Dämpfer  
 Tuning fork with clamps



410-180-125 = c 64    oder/or c 128

**RYDEL-SEIFFER**

Stimmgabel mit Fuß, mit Dämpfer c 64,  
 ohne Dämpfer c 128, abnehmbar  
 Tuning fork with platform, with clamp c 64,  
 without clamp c 128, detachable



410-180-010 = c 128    410-180-020 = c1 256

410-180-030 = c2 512    410-180-040 = c3 1024

Stimmgabel aus einer Aluminium-Speziallegierung

Tuning fork, aluminum-alloy



410-185-200

**HARTMANN**

Stimmgabelsatz in Etui, enthaltend:

Tuning fork set in case containing:

410-195-010	= c	128
410-195-110	= c1	256
410-185-210	= c2	512
410-185-310	= c3	1024
410-185-410	= c4	2048
410-185-510	= c5	4096



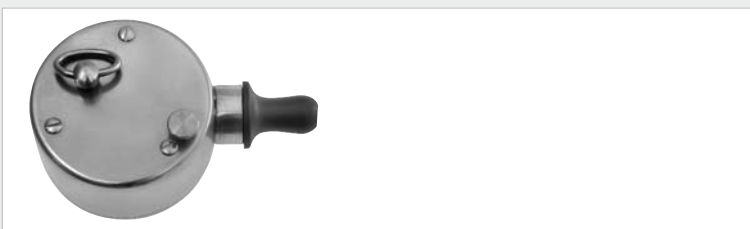
410-195-000

**HARTMANN**

Stimmgabelsatz in Etui, enthaltend:

Tuning fork set containing:

410-195-010	= c	128
410-195-110	= c1	256
410-185-210	= c2	512
410-185-310	= c3	1024
410-185-410	= c4	2048



410-227-000

**BARANY**

Lärmtrommel mit Ohrolive

Noise instrument apparatus, with aural piece



410-227-100

**BARANY**

Lärmtrommel mit Konus

Noise instrument apparatus, with cone



410-797-050 50 ml  
410-797-100 100 ml

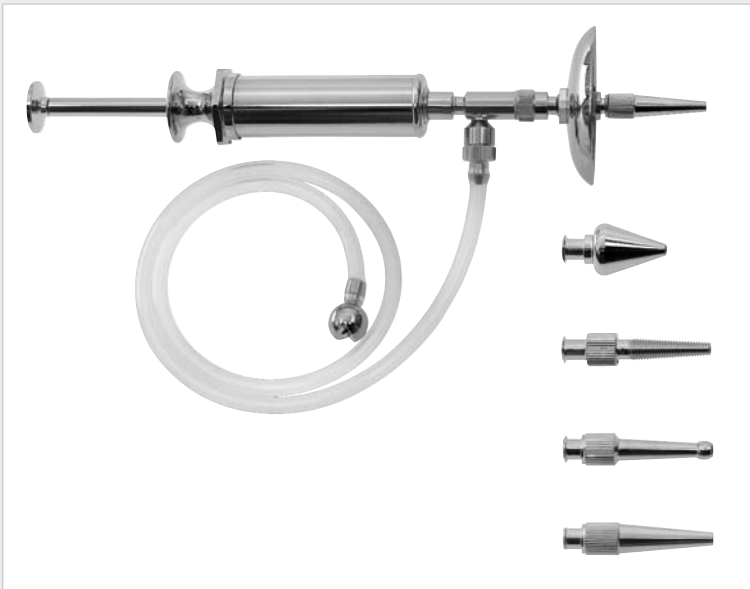
**SYRINGE**

Ohrspritze komplett, Ganzmetallausführung mit konischem und abgerundetem Aufsatz  
Aural syringe, all metal, complete with conical and bulbous pipe

410-798-100 110ccm

**SYRINGE**

Ohrspritze komplett, **Glasausführung** mit konischem und abgerundetem Aufsatz  
Aural syringe, **Glas edition**, complete with conical and bulbous pipe



410-800-000

Ohrspritze komplett, 10 ml selbstfüllend, Ganzmetallausführung, verchromt, mit Luer-Lock-Ansatz bestehend aus:  
Aural syringe, 10 ml, all metal chromium plated, for easy continuous one hand filling and emptying. Luer-Lock attachment, consisting of:

410-800-100 Spritze, Ventilaufsatz, Saugfuß, Schutzteller  
Syringe, valve attachment, metal sinker, Protection shield

410-800-020 Plasticschlauch, 600 mm, Außen-Ø 5 mm, Innen-Ø 2 mm  
Plastic tube, 600 mm long, outside 5 mm, inside 2 mm

410-800-050 Set mit 4 Aufsätzen  
Set with 4 tips



410-800-040

Schutzteller  
Protection shield



410-800-030

Saugfuß  
Metal sinker



410-800-010

Ventilaufsatz  
Valve attachment



410-810-000

**RZ**  
Spülbehälter, Kunststoff, 145 mm  
Aural cleaning tube, plastic, 5 ¾ inch



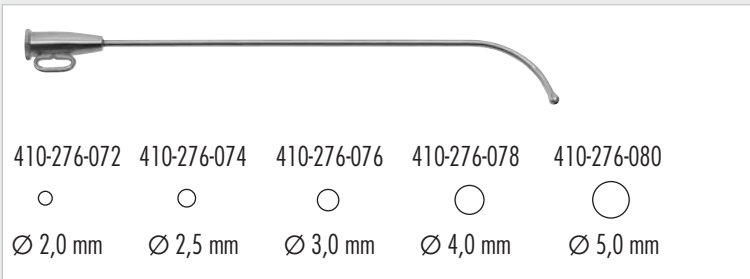
410-200-000  
**POLITZER**  
 Luftdusche mit Metallkonus  
 Air douche, with metal cone



410-200-018 Ø 18 mm  
 410-200-021 Ø 21 mm  
 410-200-023 Ø 23 mm  
 Nasenlivens aus Metall  
 Nasal tips, metal



410-200-010  
 Adapter für Tubenkatheter-Aufsatz zur Politzer Luftdusche 410-200-000  
 Metal adapter to connect eustachian catheter to Politzer air douche



410-276-072 Ø 2,0 mm  
 410-276-074 Ø 2,5 mm  
 410-276-076 Ø 3,0 mm  
 410-276-078 Ø 4,0 mm  
 410-276-080 Ø 5,0 mm  
**HARTMANN**  
 Tubenkatheter  
 Eustachian catheter



410-205-000  
**KABIJSKE**  
 Pulverbläser komplett mit 3 Aufsätzen und Gummiball  
 Atomizer, complete with 3 metal tips and rubber bulb

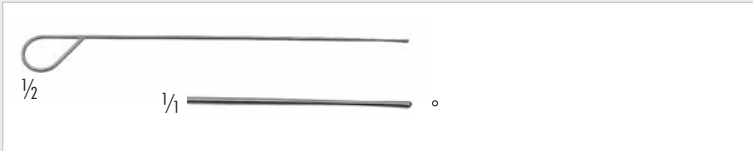
410-205-100 Gummiball allein  
 Rubber bulb only

410-205-001 Aural Kanüle, gerade, 110 mm  
 Aural cannula, straight tip, 4 inch

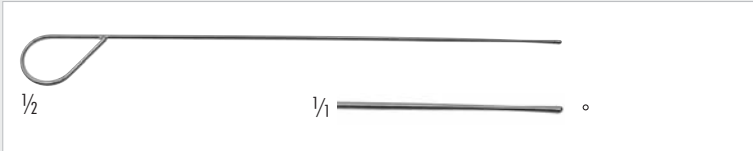
410-205-002 Aural Kanüle, gebogen, 130 mm  
 Aural cannula, curved tip, 5 inch

410-205-200 Metallkonus, allein  
 Metal cone, only

410-205-300 Ersatzflasche, 30 ccm  
 Spare bottle, 30 ccm



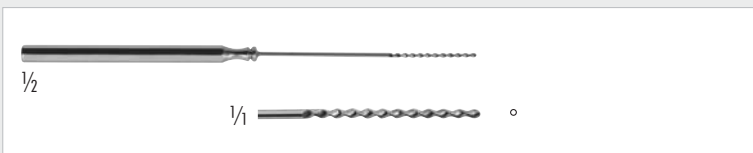
160-131-105  
**STACKE** Ø 0,8 mm  
Ohrsonde, 100 mm  
Aural probe, 4 inch



160-131-140  
**CAWTHORNE**  
Ohrsonde, mit Ringgriff und abgeflachter Spitze, 140 mm  
Probe, ring handled and flattened end, 5 1/2 inch



160-132-150  
**TUMARKIN**  
Ohrsonde, 150 mm  
Aural probe, 6 inch  
Bestelleinheit: PA= Packung á 50 Stück  
Sales unit: PA= Package of 50 pieces



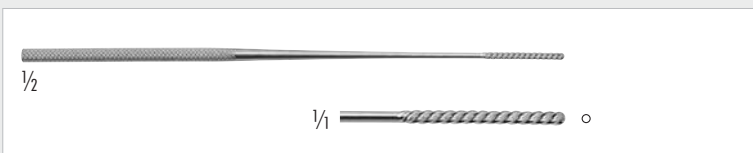
160-410-120  
**BUCK** Ø 0,9 mm  
Ohrwatteträger, Arbeitsende spiralförmig, 120 mm  
Cotton Applicator, rough spiral serrated end, 4 3/4 inch



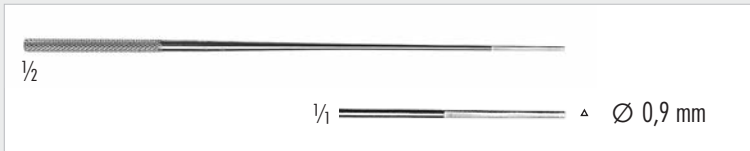
160-420-110  
**MODELL PICCOLO** Ø 0,7 mm  
Ohrwatteträger, Arbeitsende rund gerieft, 110 mm  
Cotton applicator, slender, round serrated end, 4 1/2 inch



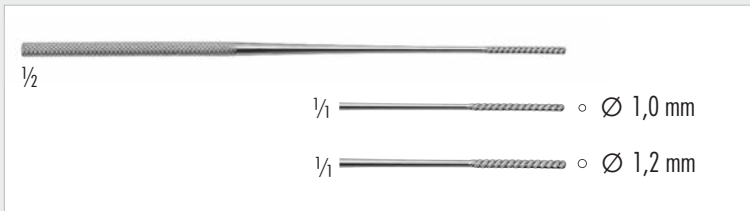
160-421-110  
**MODELL PICCOLO** Ø 0,7 mm  
Ohrwatteträger, Arbeitsende dreikant gerieft, 110 mm  
Cotton applicator, slender, triangular serrated end, 4 1/2 inch



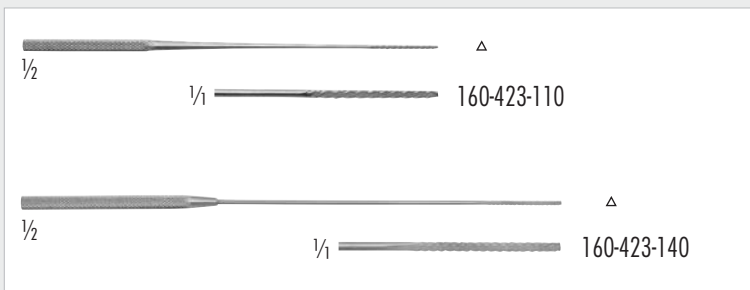
160-422-110 110 mm/4 1/2 inch  
160-422-140 140 mm/5 1/2 inch  
**FARRELL** Ø 1,2 mm  
Ohrwatteträger, Arbeitsende rund gerieft  
Cotton applicator, round serrated end



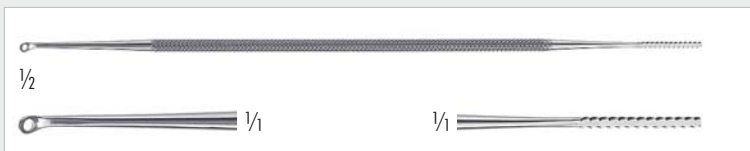
160-426-120 120mm, 4 3/4 inch  
 160-426-140 140mm, 5 1/2 inch  
 Ohrwatteträger, Arbeitsende dreikant gerieft, Ø 0,9 mm  
 Cotton applicator, triangular serrated end, Ø 0.9 mm



160-010-140 Ø 1,0 mm  
 160-012-140 Ø 1,2 mm  
 Ohrwatteträger, Arbeitsende spiralförmig, 140 mm  
 Cotton applicator, spiral serrated end, 5 1/2 inch



160-423-110 110 mm, 4 1/2 inch  
 160-423-140 140mm, 5 1/2 inch  
**LATHBURY-FARRELL**  
 Ohrwatteträger, Arbeitsende dreikant gerieft, Ø 1,4 mm  
 Cotton applicator, triangular serrated end, Ø 1.4 mm



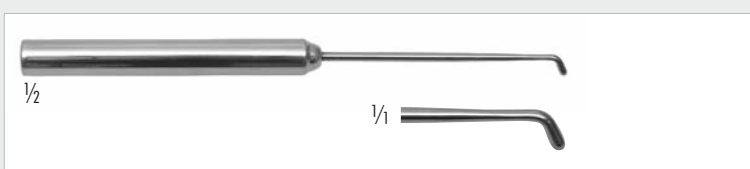
160-255-140 140 mm, 5 1/2 inch  
 160-255-180 180 mm, 7 inch  
**JOBSON HORNE**  
 Ohrsonde  
 Aural probe



410-145-175 spitz/pointed  
 410-146-175 stumpf/blunt  
**FORMBY**  
 Zerumenlöffel und -häkchen, 130 mm  
 Cerumen scoop and hook, 5 1/8 inch



410-147-175 spitz/pointed  
 410-148-175 stumpf/blunt  
**FORMBY**  
 Zerumenschlinge und -häkchen, 120 mm  
 Cerumen loop and hook, 4 3/4 inch



410-147-145  
**CAWTHORNE**  
 Zerumenhäkchen, 145 mm  
 Cerumen hook, 5 1/2 inch



410-581-160

**ALLPORT**

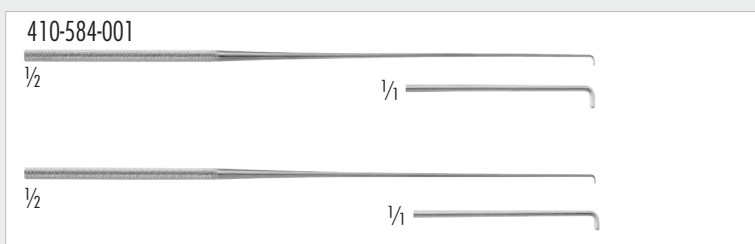
Ohrhäkchen, stumpf, 160 mm  
Aural hook, blunt, 6 1/4 inch



410-583-150

**ZAUFAL-JANSEN**

Ohrhebel, geknöpft, 45° abgewinkelt, 150 mm  
Aural hook, probe ended, 45° angled, 6 inch

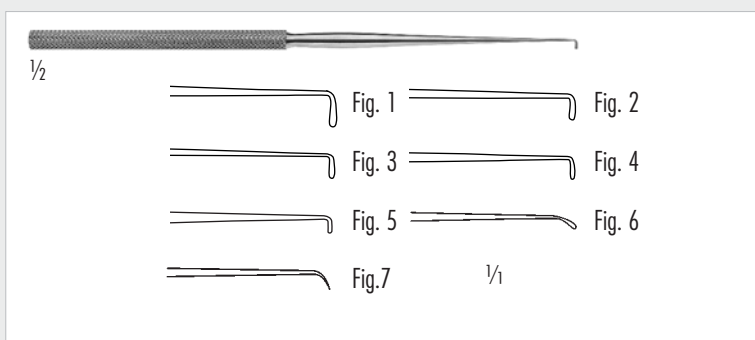


410-584-001 Fig. 1

410-584-002 Fig. 2

**DAY**

Ohrhäkchen, 160 mm  
Aural hook, 6 1/2 inch



410-585-001 Fig. 1

410-585-002 Fig. 2

410-585-003 Fig. 3

410-585-004 Fig. 4

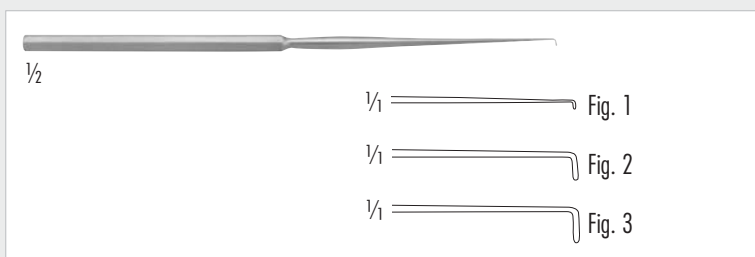
410-585-005 Fig. 5

410-585-006 Fig. 6

410-585-007 Fig. 7

**WAGENER**

Ohrhebel, 140 mm  
Aural hook, 5 1/2 inch



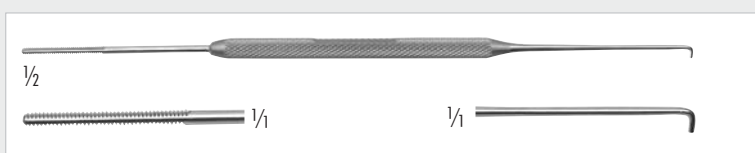
410-586-141 Fig. 1

410-586-142 Fig. 2

410-586-143 Fig. 3

**LUCAE**

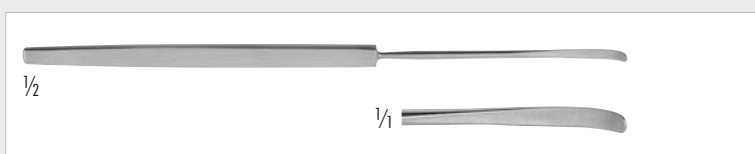
Ohrhebel, geknöpft, 140 mm  
Aural hook, probe ended, 5 1/2 inch



410-584-180

**MUSGROVE**

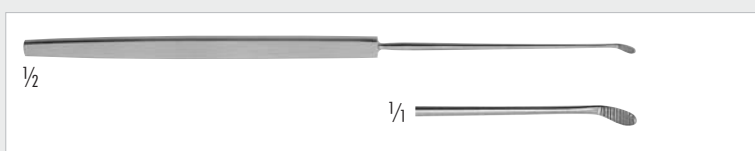
Zerumennadel und Watteträger, 180 mm  
Cerumen pick and cotton applicator, 7 inch



410-583-160

**ZAUFAL**

Ohrhebel, stumpf, 160 mm  
Aural elevator, blunt, 6 1/4 inch

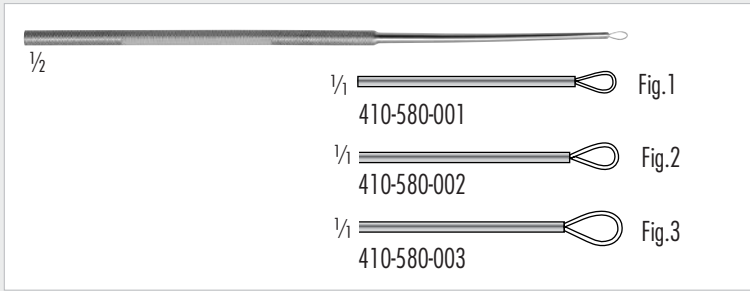


410-584-160

**MOLDENHAUER**

Fremdkörperhebel, 160 mm  
Foreign body elevator, 6 1/4 inch

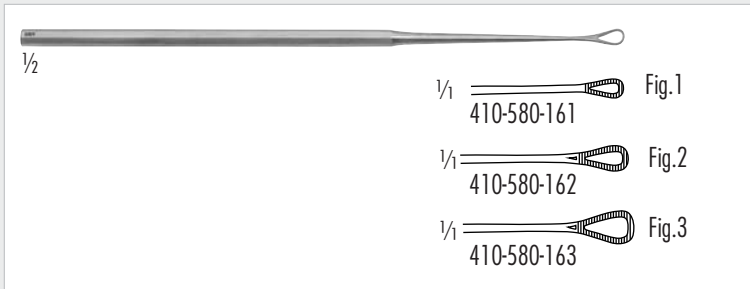




410-580-001 Fig.1  
410-580-002 Fig.2  
410-580-003 Fig.3

**BILLEAU**

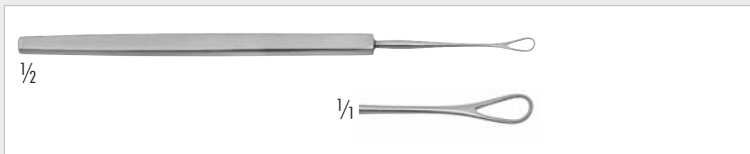
Ohrschlinge, gerade, 160 mm  
Aural loop, straight, 6 1/4 inch



410-580-161 Fig.1  
410-580-162 Fig.2  
410-580-163 Fig.3

**SNELLEN (WEBER-LOCH)**

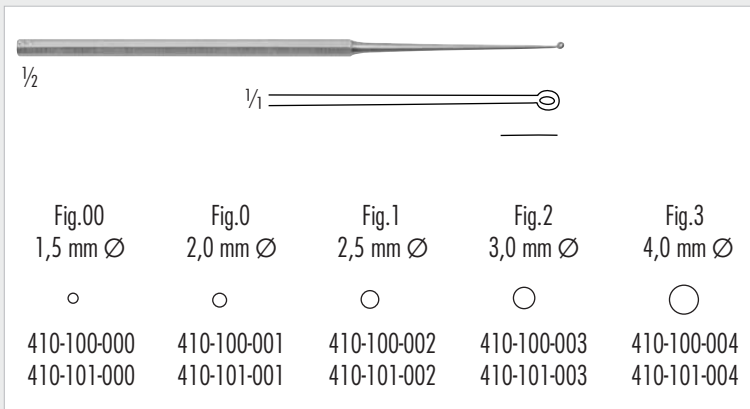
Ohrschlinge, gebogen, gerieft, 160 mm  
Aural loop, curved, serrated, 6 1/4 inch



410-580-130

**LANGENBECK**

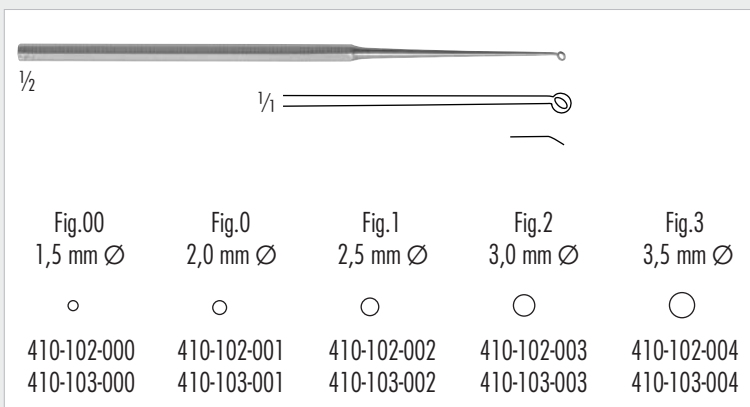
Ohrschlinge, stumpf, leicht gebogen, 130 mm  
Aural loop, blunt, slightly curved, 5 inch



stumpf/blunt	scharf/ sharp
410-100-000	410-101-000
410-100-001	410-101-001
410-100-002	410-101-002
410-100-003	410-101-003
410-100-004	410-101-004

**BUCK**

Ohrkürette, gerade, 150 mm  
Aural curette, straight, 6 inch



stumpf/blunt	scharf/ sharp
410-102-000	410-103-000
410-102-001	410-103-001
410-102-002	410-103-002
410-102-003	410-103-003
410-102-004	410-103-004

**BUCK**

Ohrkürette, gebogen, 150 mm  
Aural curette, curved, 6 inch



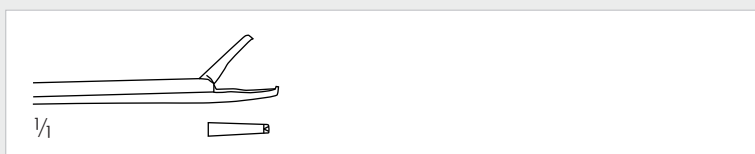
Fremdkörper- Ohrzängchen zur Untersuchung, **Zeigefingerringteil** beweglich, mit Schiebeschaft  
Aural foreign body forceps for examination, opening and closing of the jaws by means of **finger ring-handle**, sliding shaft



410-210-085 1 x 8 mm, gerieftes Maulteil/serrated jaws  
410-215-085 1 x 8 mm, glattes Maulteil/smooth jaws

**HARTMANN**

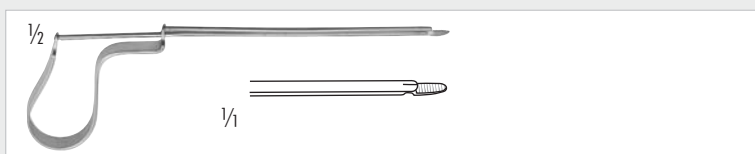
Faßzängchen, gerade  
Aural forceps, straight



410-211-085 2 x 6 mm

**HARTMANN**

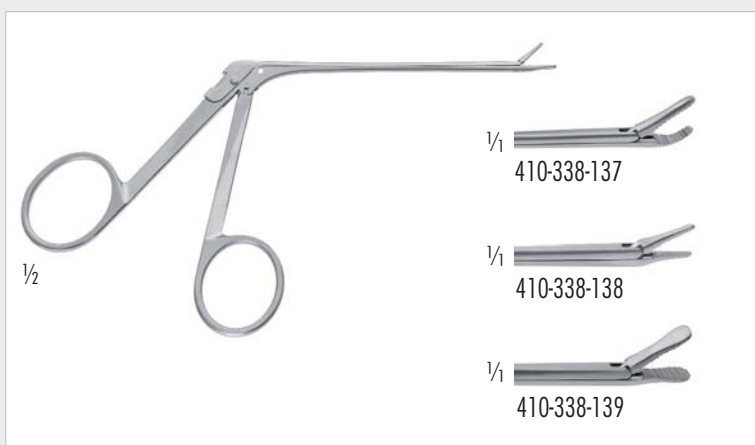
Faßzängchen, gerade, 1 x 2 Zähne  
Aural forceps, straight, 1 x 2 teeth



410-330-090

**QUIRE**

Fremdkörperinstrument, 90 mm  
Aural forceps for removal of foreign bodies, 3 1/2 inch

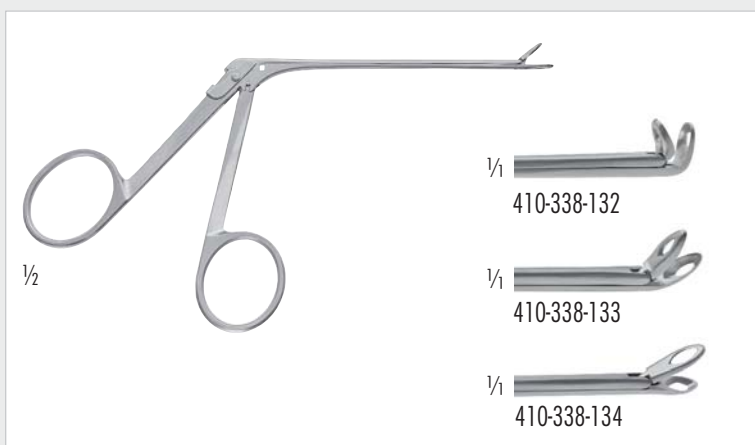


410-338-137 **WEINGARTNER**, 7 mm Maullänge/7 mm jaws links gebogen/left curved

410-338-138 **HOUSE** 8 mm gerieft/8 mm serrated

410-338-139 **DUCKBILL** 8 mm gerieft/8 mm serrated

Ohrzängchen, Arbeitslänge: 87 mm  
Ear Forceps, Working length: 3 1/8 inch



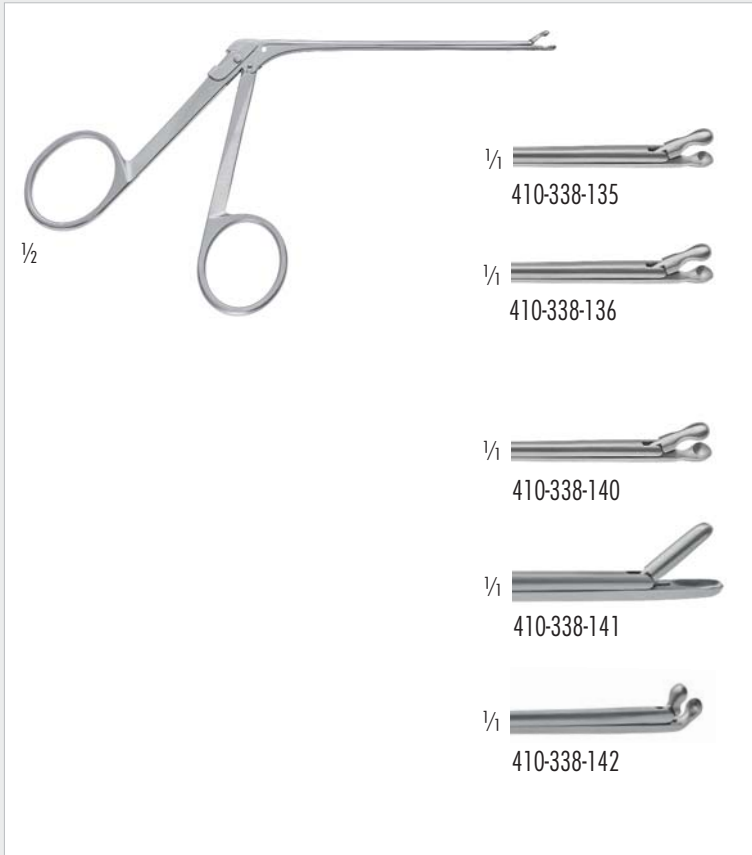
410-338-132 90° aufwärts/90° upwards, 2.5 x 6.0 mm

410-338-133 45° aufwärts/45° upwards, 2.5 x 6.5 mm

410-338-134 gerade/straight, 2.5 x 7.0 mm

**STRUEMPEL**

Ohrzängchen, Arbeitslänge: 87 mm  
Ear Forceps, Working length: 3 1/8 inch



**HARTMANN-HERZFELD**

Ohrzängchen, Arbeitslänge: 87 mm

Ear Forceps, Working length: 3 1/8 inch

410-338-135 2 mm Löffel/2 mm spoon

410-338-136 2,5 mm Löffel/2.5 mm spoon

410-338-140 3 mm Löffel/3 mm spoon

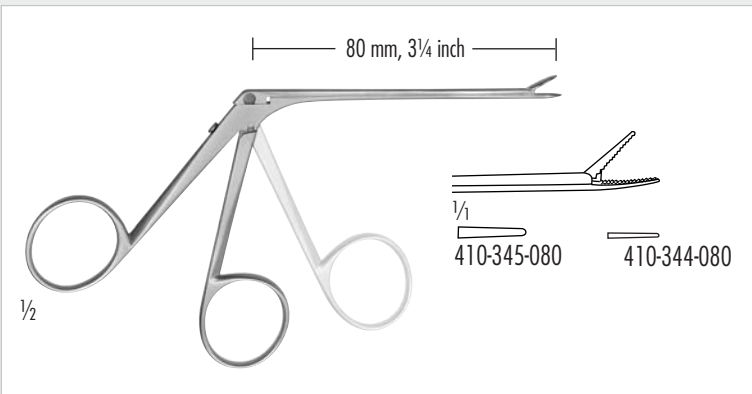
410-338-141 2x6 mm Löffel/2x6 mm spoon

410-338-142 2 mm Löffel, aufgebogen

2 mm spoon, curved upwards

Ohrzängchen, Arbeitslänge: 87 mm

Ear Forceps, Working length: 3 1/8 inch



Fremdkörper-Ohrzängchen zur Untersuchung, feine Ausführung,

**Zeigefingerringteil** beweglich, mit Schiebeschäft

Aural foreign body forceps for examination, extra fine pattern, opening and closing of the jaws by means of **finger ring-handle**, sliding shaft

410-345-080 0,8 x 6 mm

**HARTMANN-WULLSTEIN**

Faßzängchen, gerade

Aural forceps, straight

410-344-080 0,8 x 4 mm

**HARTMANN-WULLSTEIN**

Faßzängchen, gerade

Aural forceps, serrated jaws, straight

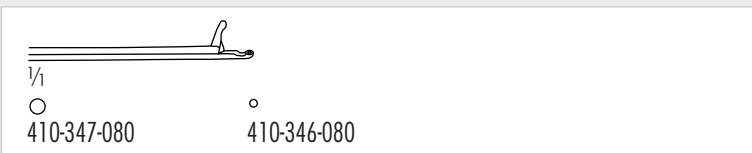
410-346-080 1 mm

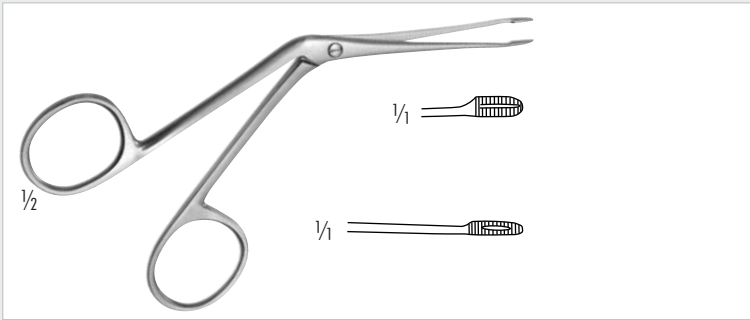
410-347-080 2 mm

**HARTMANN-WULLSTEIN**

Löffelzängchen, gerade, runder Löffel

Aural forceps, cup-shaped, straight, round cup





410-230-140

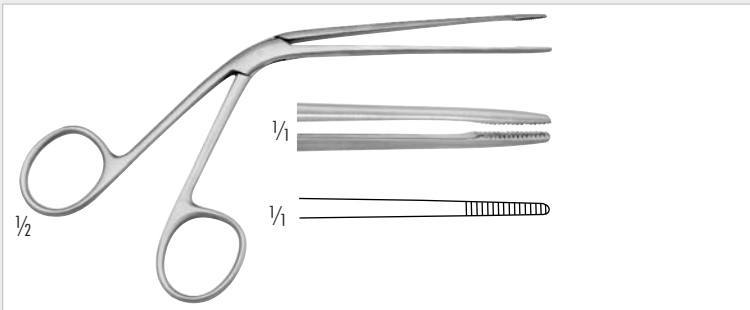
**HARTMANN**

Ohrtamponzange, kräftiges Modell, 120 mm  
Aural tampon forceps, strong pattern, 4 ¾ inch

410-230-120

**HARTMANN**

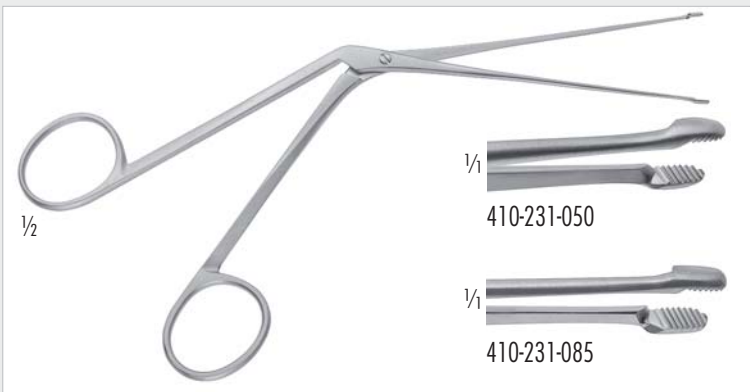
Ohrtamponzange, feines Modell, 135 mm  
Aural tampon forceps, delicate pattern, 5 inch



410-231-140

**TILLEY**

Ohrtamponzange, extra feines Modell, 140 mm  
Aural tampon forceps, extra fine pattern, 5 ½ inch



410-231-050

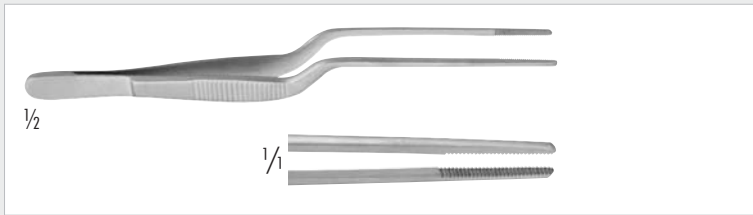
**TOBEY**

Ohrzängchen, 4mm Maullänge, 50mm Länge von der  
Schraube bis zur Maulspitze  
Ear Forceps, 4mm long jaws, 50mm length from  
screw till jaw tip

410-231-085

**CORGILL**

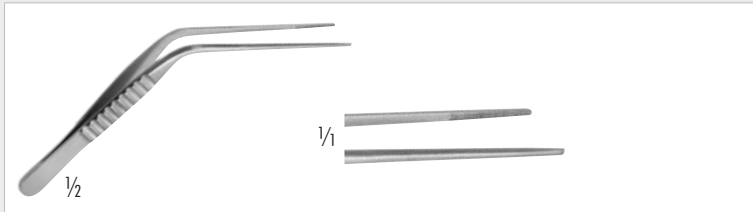
Ohrzängchen, 4mm Maullänge, 85mm Länge von der  
Schraube bis zur Maulspitze  
Ear Forceps, 4mm long jaws, 85mm length from screw till jaw tip



410-391-140

**LUCAE**

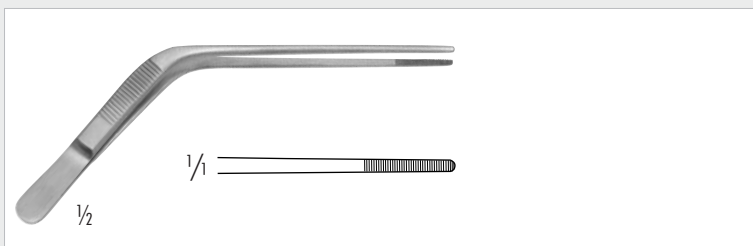
Ohrpinzette, anatomisch, bajonettförmig, 140 mm  
Aural dressing forceps, bayonet shaped, 5 1/2 inch



410-375-100

**TROELTSCH**

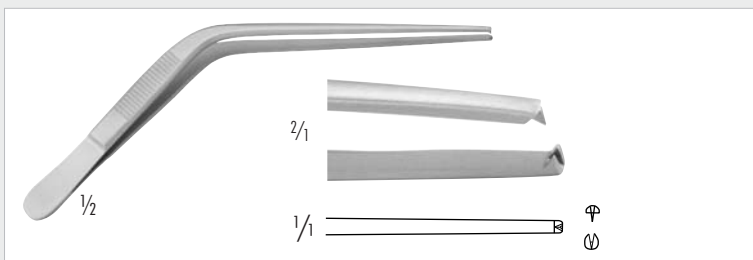
Ohrpinzette, fein und klein, gerieft, 45 mm Nutzlänge  
Aural dressing forceps, delicate and small, serrated,  
45 mm working length



410-375-120

**TROELTSCH**

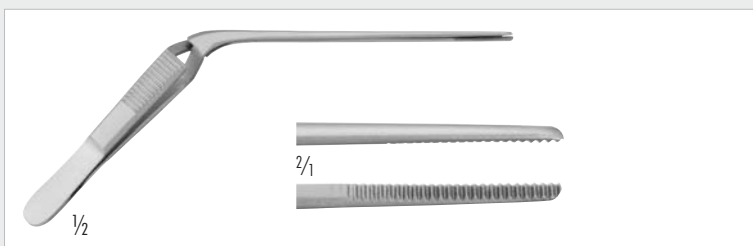
Ohrpinzette, anatomisch, kniegebogen, 1,8 mm breit, 115 mm  
Aural dressing forceps, angled, tip 1,8 mm, serrated, 4 1/2 inch



410-377-120

**TROELTSCH**

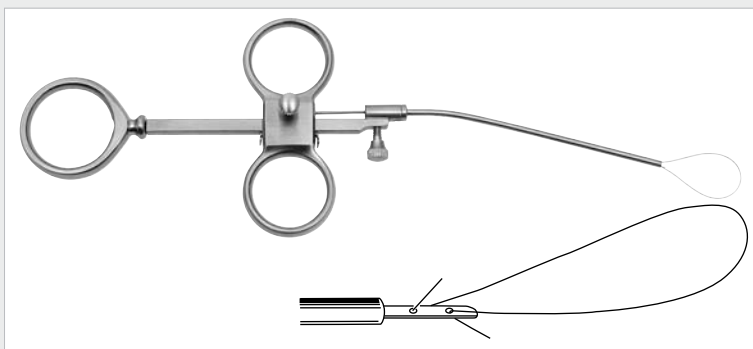
Ohrpinzette, chirurgisch, 1 x 2 Zähne, kniegebogen, 125 mm  
Aural tissue forceps, 1 x 2 teeth, knee bent, 5 inch



410-381-130

**TROELTSCH**

Ohrpinzette, anatomisch, selbst schließend, kniegebogen, 130 mm  
Aural dressing forceps, knee bent, cross action, serrated, 4 1/8 inch



410-410-160

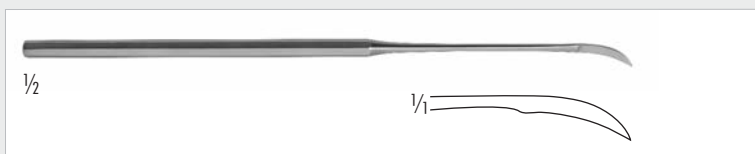
**KRAUSE**

Ohrpolypenschnürer, 165 mm  
Aural snare, 6 1/2 inch



410-411-100 Ø 0,2 mm

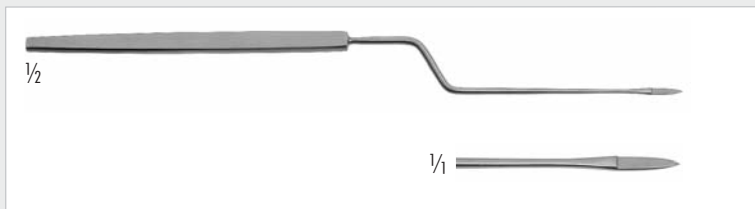
Ohrpolypen-Schlingendraht  
Bestelleinheit: PH=Packung á 100 Stück  
Aural snare wire  
Sales unit: PH=Package of 100 pieces



410-350-150

**POLITZER**

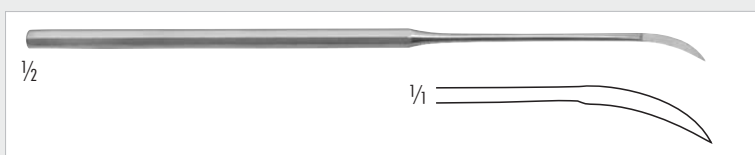
Ohr-Furunkelmesser, 160 mm  
Aural Sickle knife, 6 1/4 inch



410-352-170

**SEXTON**

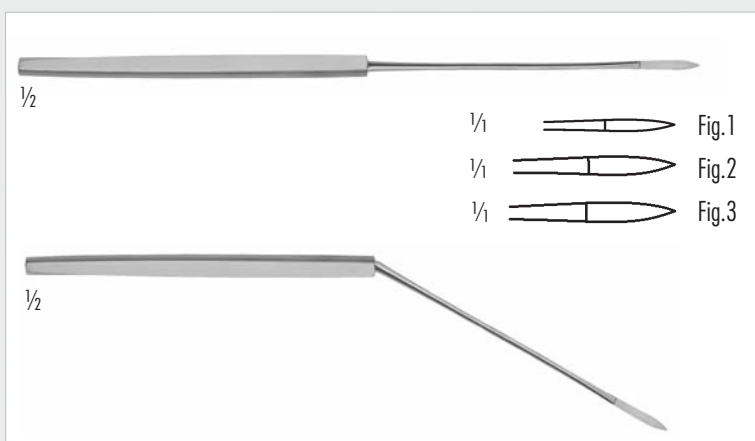
Ohr-Furunkelmesser, bajonettförmig, 170 mm  
Aural Sickle knife, bayonet-shaped, 6 3/4 inch



410-353-180

**SEXTON**

Ohr-Furunkelmesser, 180 mm  
Aural Sickle knife, 7 1/8 inch



410-354-180

Fig.1 gerade/straight

410-355-180

Fig.2 gerade/straight

410-356-180

Fig.3 gerade/straight

410-357-180

Fig.1 kniegebogen/knee bent

410-358-180

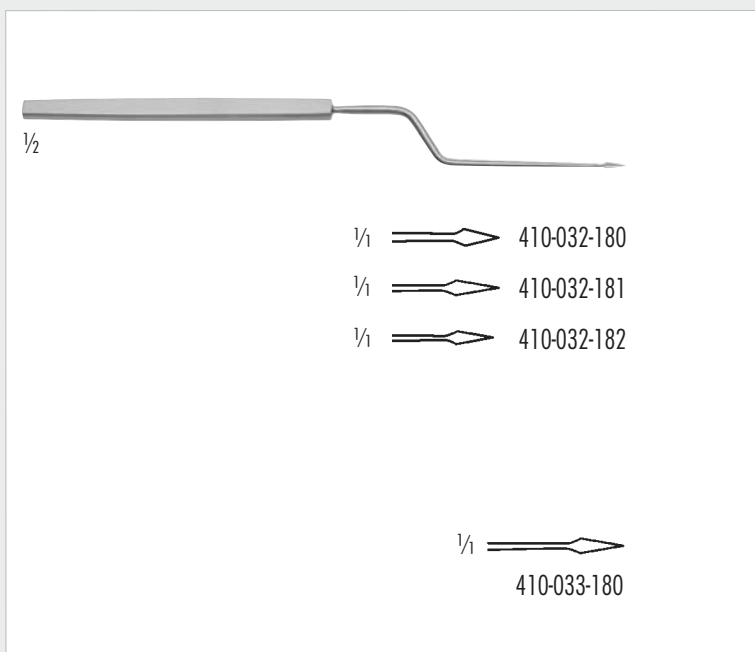
Fig.2 kniegebogen/knee bent

410-359-180

Fig.3 kniegebogen/knee bent

**SEXTON**

Trommelfellmesser, 180 mm  
Ear drum knife, 7 inch



410-031-180

**LUCAE**

Paracentese-Nadel, bajonettförmig, für Kinder, 160 mm  
Tympanum perforator, bayonet-shaped, for children, 6 1/4 inch

410-032-180

Spitze/tip 2.0 mm

410-032-181

Spitze/tip 1.8 mm

410-032-182

Spitze/tip 1.5 mm

**LUCAE**

Paracentese-Nadel, bajonettförmig, für Erwachsene, senkrecht, 190 mm  
Tympanum perforator, bayonet-shaped, for adults, vertical, 7 1/2 inch

410-033-180

**LUCAE**

Paracentese-Nadel, bajonettförmig, für Erwachsene, waagrecht, 180 mm  
Tympanum perforator, bayonet-shaped, for adults, horizontal, 7 inch



410-030-160

**POLITZER**

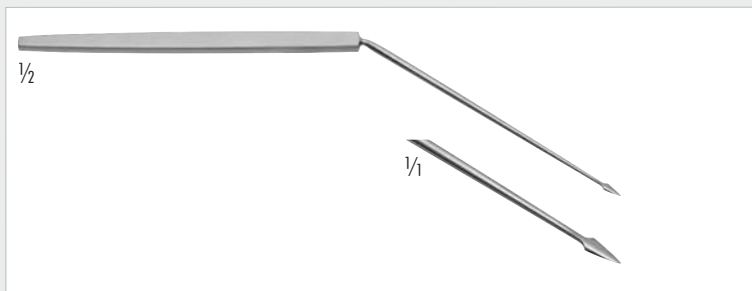
Paracentese-Nadel, gerade, 160 mm  
 Tympanum perforator, straight, 6 1/4 inch



410-031-140

**JACOBSON**

Ohrhäkchen, 140mm  
 Ear hook, 5 1/2 inch



410-032-160

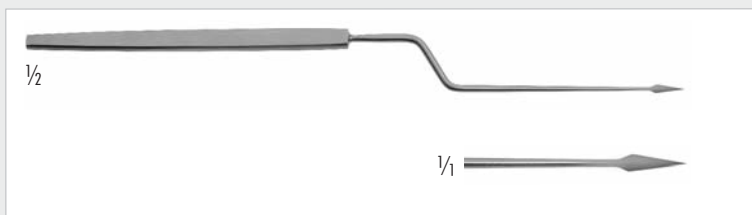
**POLITZER**

Paracentese-Nadel, kniegebogen, senkrecht, 160 mm  
 Tympanum perforator, knee bent, vertical, 6 1/4 inch

410-033-160

**POLITZER**

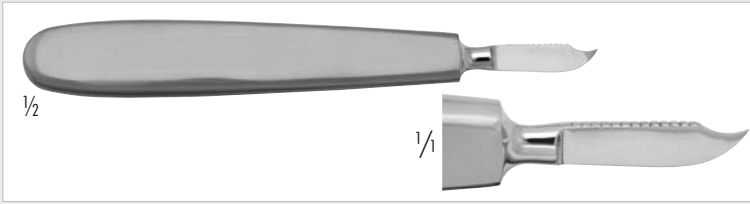
Paracentese-Nadel, waagrecht, kniegebogen, 160 mm  
 Tympanum perforator, knee bent, horizontal, 6 1/4 inch



410-032-175

**AGNEW (POLITZER)**

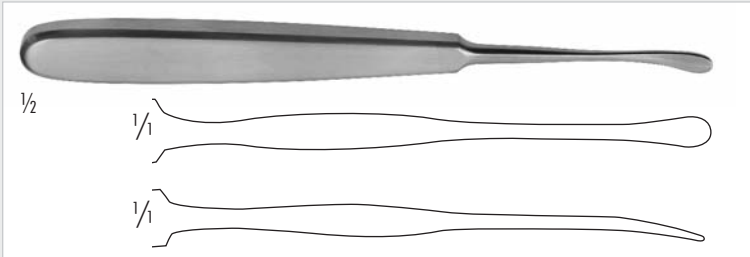
Paracentesis Nadel, bajonettförmig, 180 mm  
 Paracentesis needle, angled, 7 inch



210-394-150  
**MUCK**  
Periostmesser, 150 mm  
Periosteal knife, 6 inch



210-395-130  
**POLITZER**  
Mastoidmesser, 130 mm  
Mastoid knife, 5 1/8 inch

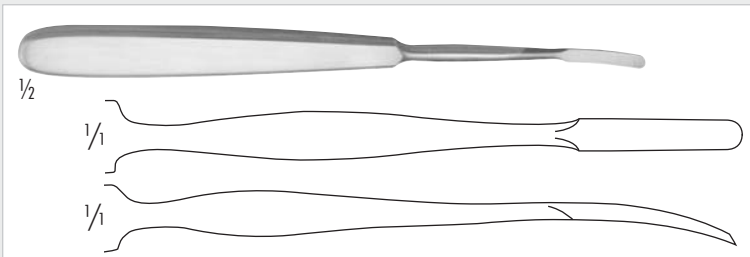


210-395-175  
**SEBILEAU**  
Elevatorium, 5 mm breit, 175 mm  
Elevator, 5 mm wide, 7 inch

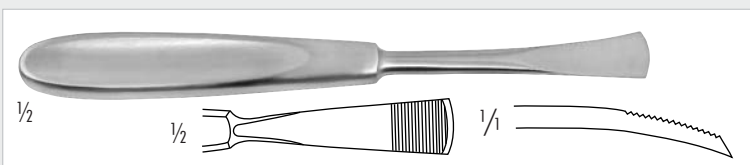


431-630-007	7mm	431-630-006	6mm
431-630-009	9mm	431-630-011	11mm

**OBWEGESER**  
Raspatorium, 9 mm breit, 175 mm  
Periosteal Elevator, 9 mm wide, 7 inch



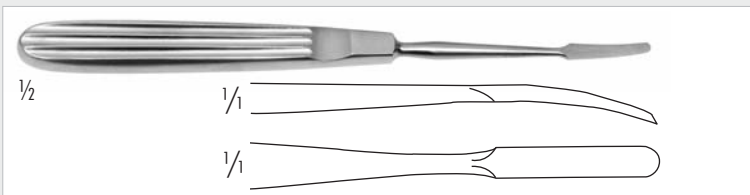
210-396-160  
**JOSEPH**  
Raspatorium, leicht gebogen, 160 mm  
Periosteal Elevator, slightly curved, 6 1/4 inch



210-303-165  
**JANSEN**  
Raspatorium, gebogen, 15 mm breit, 165 mm  
Periosteal Elevator, curved, 15 mm wide, 6 1/2 inch

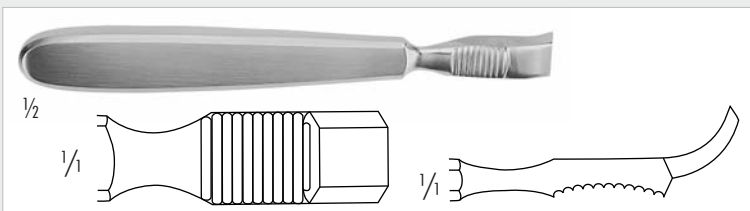


210-397-185  
**LEMPERT**  
Raspatorium, halbscharf, 185 mm  
Periosteal Elevator, semi sharp, 7 1/4 inch



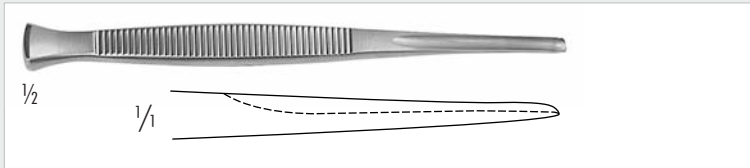
420-530-165	2mm
420-531-165	3mm
420-532-165	4mm

**JOSEPH**  
Septum Raspatorium, leicht gebogen, 160 mm  
Septum Raspatory, slightly curved, 6 1/4 inch



210-311-150  
**FARABEUF**  
Raspatorium, gebogen, 140 mm  
Periosteal Elevator, curved cutting edge, 5 1/2 inch



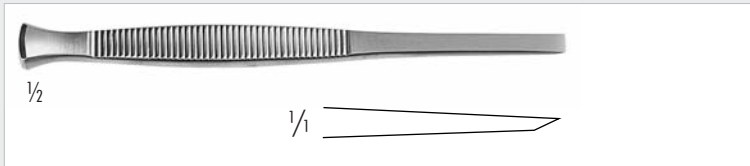


210-109-002 3 mm  
 210-109-005 5 mm  
 210-109-007 7 mm

210-109-004 4 mm  
 210-109-006 6 mm

**PARTSCH**

Hohlmeissel, gerade, 140 mm  
 Gouge, straight, 5 1/2 inch



210-303-135 3 mm  
 210-305-135 5 mm  
 210-307-135 7 mm

210-304-135 4 mm  
 210-306-135 6 mm

**PARTSCH**

Flachmeissel, gerade, 140 mm  
 Chisel, straight, 5 1/2 inch



210-160-004 4 mm  
 210-160-006 6 mm

**BRUENINGS**

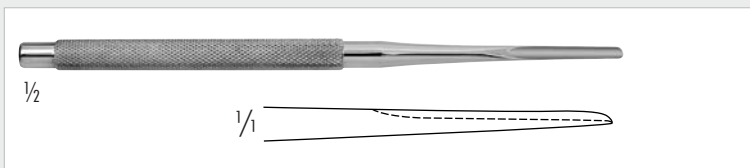
Hohlmeissel, 160 mm  
 Gouge, 6 1/4 inch



210-160-104 4 mm  
 210-160-106 6 mm

**BRUENINGS**

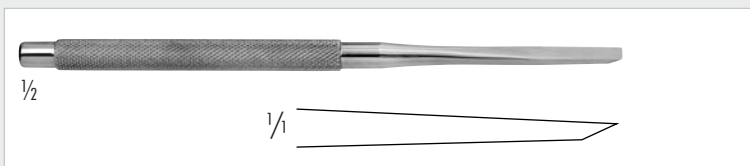
Flachmeissel, gerade, 160 mm  
 Chisel, straight, 6 1/4 inch



210-103-160 3 mm  
 210-105-160 5 mm

**LUCAS**

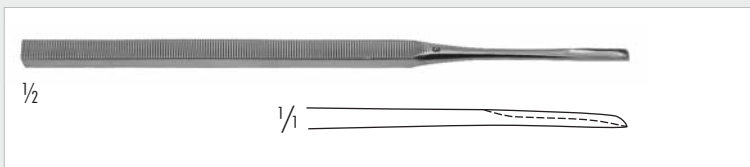
Hohlmeissel, gerade, 160 mm  
 Gouge, straight, 6 1/4 inch



210-204-160 4 mm  
 210-206-160 6 mm

**LUCAS**

Flachmeissel, gerade, 160 mm  
 Chisel, straight, 6 1/4 inch



210-100-162 2 mm  
 210-100-163 3 mm  
 210-100-164 4 mm

**THIES**

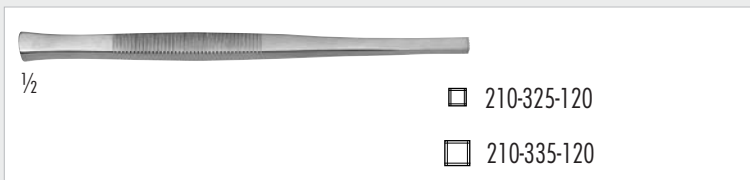
Hohlmeissel, gerade, 160 mm  
 Gouge, straight, 6 1/4 inch



210-102-162 2 mm  
 210-102-163 3 mm  
 210-102-164 4 mm

**THIES**

Flachmeissel, gerade, 160 mm  
 Chisel, straight, 6 1/4 inch



210-325-120 2,5 mm  
 210-335-120 3,5 mm

**PASSOW**

Blutstillungsmeissel, 120 mm  
 Hemostatic chisel, 4 3/4 inch



210-244-220 130 g

**HAEK**

Hammer, 220 mm

Mallet, 8 3/4 inch



210-224-180 155 g

**PARTSCH**

Hammer, Kopf mit Bleifüllung, 190 mm

Mallet, lead filled head, 7 1/2 inch

1/2



210-240-180 235 g

**COTTLE**

Hammer, 1 Seite flach, 1 Seite convex, 185 mm

Mallet, 1 side plain, 1 side convex, 7 1/4 inch

1/2



210-264-140 135 g

Hammer, mit austauschbaren Kunststoffbacken, 185 mm

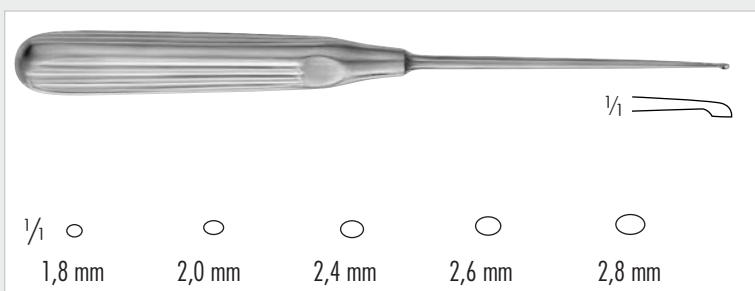
Mallet, head with interchangeable plastic discs, 7 1/4 inch

1/2

210-265-000

Ersatzbackenpaar für Hammer 210-264-140

Pair of interchangeable discs for mallet 210-264-140



210-348-001 1,8 mm

210-348-300 2,0 mm

210-348-200 2,4 mm

210-348-000 2,6 mm

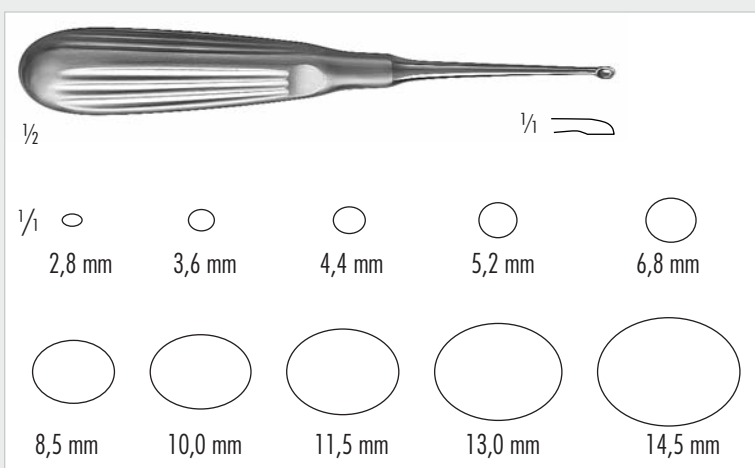
210-348-010 2,8 mm

**LEMPERT**

Scharfer Löffel, 215 mm

Endaural curette, 8 1/5 inch

1/1 0 1,8 mm 2,0 mm 2,4 mm 2,6 mm 2,8 mm



210-304-400 2,8 mm

210-304-300 3,6 mm

210-304-200 4,4 mm

210-304-100 5,2 mm

210-304-010 6,8 mm

210-304-020 8,5 mm

210-304-030 10,0 mm

210-304-040 11,5 mm

210-304-050 13,0 mm

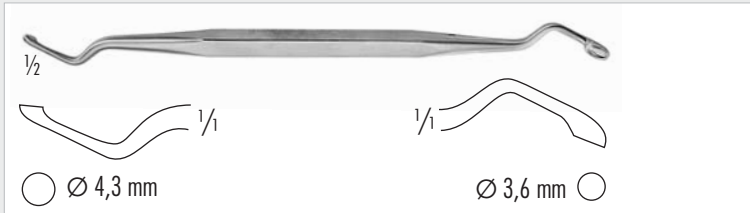
210-304-060 14,5 mm

**VOLKMANN**

Scharfer Löffel, 170 mm

Endaural curette, 6 3/4 inch

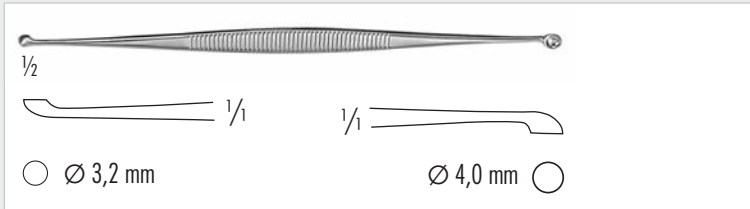
1/2 1/1 0 2,8 mm 3,6 mm 4,4 mm 5,2 mm 6,8 mm 8,5 mm 10,0 mm 11,5 mm 13,0 mm 14,5 mm



210-216-150

**JANSEN**

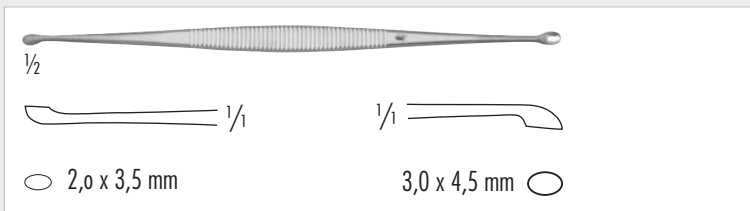
Scharfer Doppellöffel, runde Löffel, 160 mm  
Aural curette, sharp, double-ended, round cups, 6 1/4 inch



210-218-012

**MARTINI**

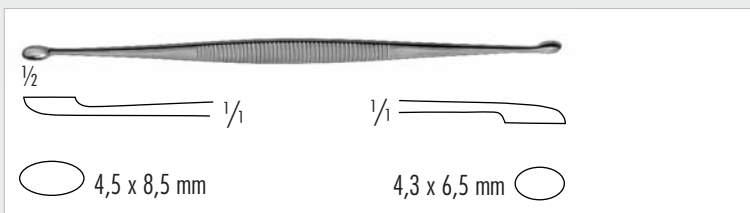
Scharfer Doppellöffel, runde Löffel, 140 mm  
Aural curette, sharp, double-ended, round cups, 5 1/2 inch



210-216-001

**WILLIGER**

Scharfer Doppellöffel, ovale Löffel, 145 mm  
Aural curette, sharp, double-ended, oval cups, 5 3/4 inch



210-213-140

**JACOBSON**

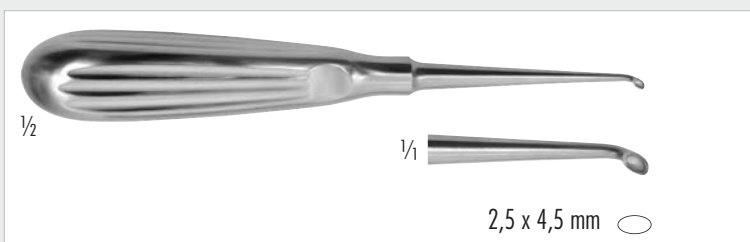
Scharfer Doppellöffel, ovale Löffel, 140 mm  
Aural curette, sharp, double-ended, oval cups, 5 1/2 inch



410-216-180

**MILLER**

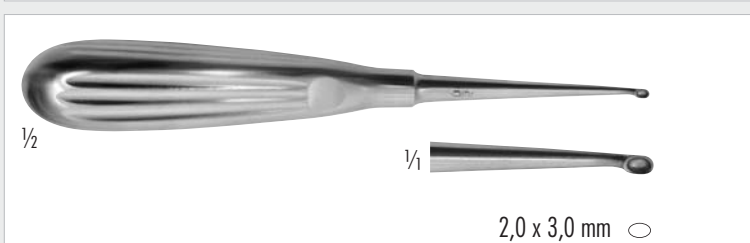
Doppel-Kürette, 180 mm  
Aural curette, double-ended, 7 inch



210-305-400 Fig. 0000

**VOLKMANN**

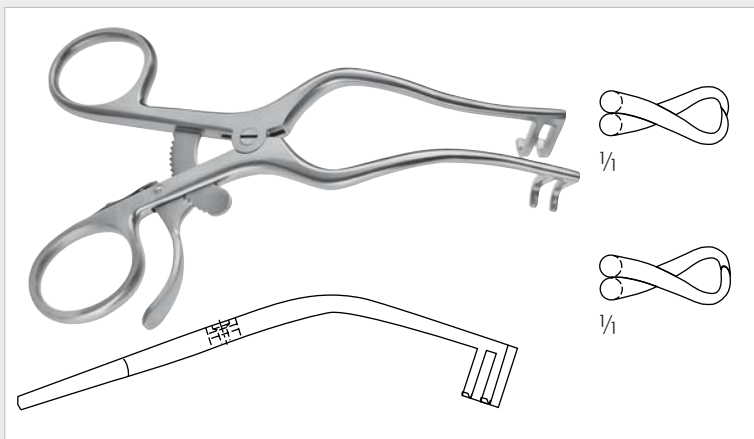
Mikro Ohrlöffel, abgewinkelt, ovaler Löffel  
Micro aural curette, angled, oval cup



210-304-500 Fig. 00000

**VOLKMANN**

Mikro Ohrlöffel, gerade, ovaler Löffel  
Micro aural curette, straight, oval cup



170-763-130

**PLESTER**

Wundspreizer, 2 x 2 Zähne, scharf, 130 mm  
Retractor, self-retaining, 2 x 2 prongs, sharp, 5 1/8 inch

170-762-130

**PLESTER**

Wundspreizer, 2 x 2 Zähne, stumpf, 130 mm  
Retractor, self-retaining, 2 x 2 prongs, blunt, 5 1/8 inch



170-760-110

**PLESTER**

Wundspreizer, stumpf, rechts volles Blatt, 110 mm  
Retractor, self-retaining, blunt, solid blade on right, 4 3/8 inch

170-761-110

**PLESTER**

Wundspreizer, stumpf, links volles Blatt, 110 mm  
Retractor, self-retaining, blunt, solid blade on left, 4 3/8 inch



170-754-110

volles Blatt links mit scharfen Zähnen,  
2 Zähne rechts  
full blade left side with sharp teeth,  
2 prongs right

170-755-110

volles Blatt rechts mit scharfen Zähnen,  
2 Zähne links  
full blade right side with sharp teeth,  
2 prongs left

**PERKINS**

Wundsperrerr, 110mm  
Retractor, 4 1/3 inch



170-766-130

Zähne links/left side teeth

170-765-130

Zähne rechts/right side teeth

**PERKINS**

Wundsperrerr, spitz, 130mm  
Retractor, sharp serration, 5"



170-757-110

links gerieftes Blatt, 2 Zähne rechts  
left serrated blade, 2 teeth right

170-758-110

rechts gerieftes Blatt, 2 Zähne links  
right serrated blade, 2 teeth left

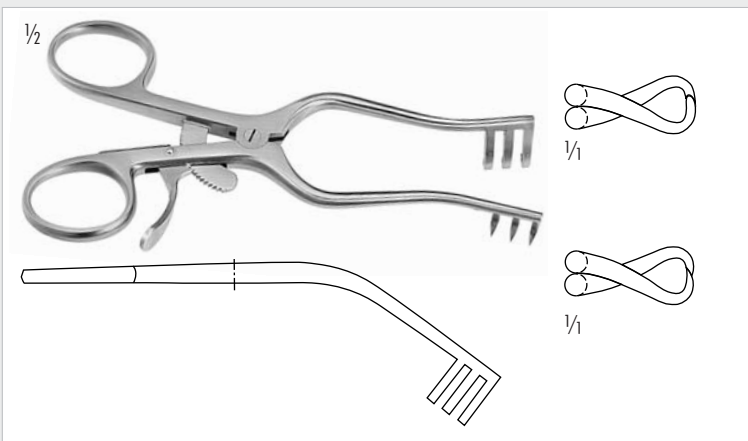
**WIEGAND**

Wundsperrerr, 110mm  
Retractor, 4 1/3 inch



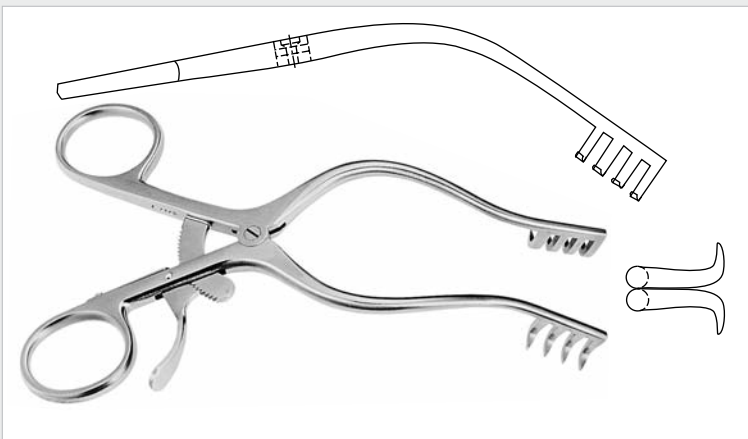
- 170-735-110 linkes Blatt scharf, 3 Zähne rechts, 110mm  
left blade sharp, 3 teeth right, 4<sup>1</sup>/<sub>3</sub> inch
- 170-735-130 linkes Blatt scharf, 3 Zähne rechts, 130mm  
left blade sharp, 3 teeth right, 5<sup>1</sup>/<sub>8</sub> inch
- 170-736-110 rechtes Blatt scharf, 3 Zähne links, 110mm  
right blade sharp, 3 teeth left, 4<sup>1</sup>/<sub>3</sub> inch
- 170-736-130 rechtes Blatt scharf, 3 Zähne links, 130mm  
right blade sharp, 3 teeth left, 5<sup>1</sup>/<sub>8</sub> inch

**WIEGAND**  
Wundsperrrer  
Retractor



170-752-130  
**WULLSTEIN**  
Wundspreizer, 3 x 3 Zähne, scharf, 130 mm  
Retractor, self-retaining, 3 x 3 prongs, sharp, 5 1/8 inch

170-753-130  
**WULLSTEIN**  
Wundspreizer, 3 x 3 Zähne, stumpf, 130 mm  
Retractor, self-retaining, 3 x 3 prongs, blunt, 5 1/8 inch



170-754-155  
**MOLLISON**  
Wundspreizer, 4 x 4 Zähne, scharf, 155 mm  
Retractor, self-retaining, 4 x 4 prongs, sharp, 6 inch



170-780-170  
**RZ**  
Gelenkwundsperrrer 3 x 3 Zähne, 170 mm  
Retractor, self-retaining, articulating joints, 3 x 3 prongs, 6 1/2 inch



- 170-780-165 linkes Blatt voll, rechts 3 Zähne  
left blade full, right side 3 prongs
- 170-781-165 rechtes Blatt voll, links 3 Zähne  
right blade full, left side 3 prongs

**RZ**

Wundsperrerr mit Gelenk, 165mm  
Retractor with hinge, 6<sup>1/2</sup>inch



- 170-783-165 links volles Blatt, rechts 3 Zähne  
left side full blade, right 3 prongs
- 170-784-165 rechts volles Blatt, links 3 Zähne  
right side full blade, left 3 prongs

**HOUSE**

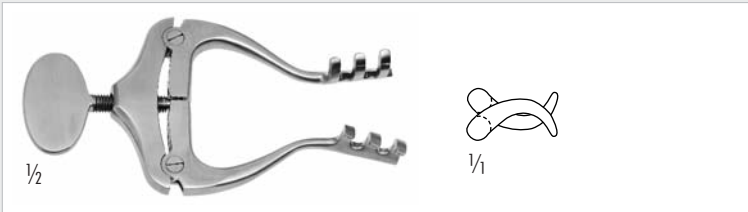
Wundsperrerr mit Gelenk, 165mm  
Retractor with hinge, 6<sup>1/2</sup>inch



- 170-785-165 6x6 halbscharfe Zähne  
6 x 6 semi-sharp teeth

**HOUSE**

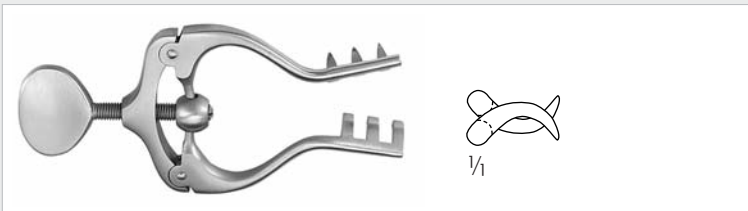
Wundsperrerr mit Gelenk, 165mm  
Retractor with hinge, 6<sup>1/2</sup>inch



170-723-100

**JANSEN**

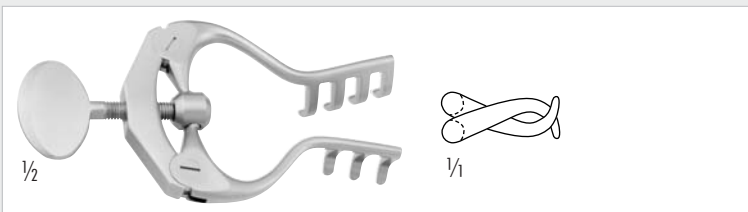
Wundsperrer, stumpf, 3 x 3 Zähne, 100 mm  
Mastoid retractor, blunt, 3 x 3 prongs, 4 inch



170-720-100

**JANSEN**

Wundsperrer, scharf, 3 x 3 Zähne, 100 mm  
Mastoid retractor, sharp 3 x 3 prongs, 4 inch



170-723-105

**JANSEN**

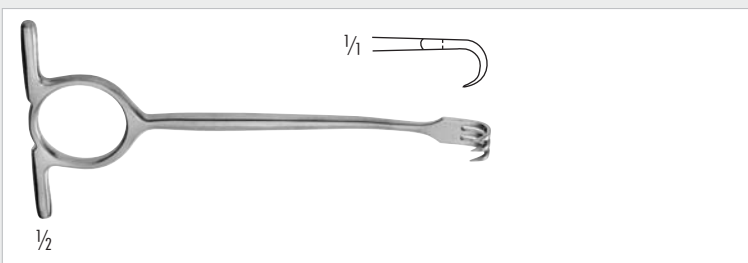
Wundsperrer, stumpf, 3 x 4 Zähne, 100 mm  
Mastoid retractor, blunt 3 x 4 prongs, 4 inch



170-719-095

**ALLPORT**

Wundsperrer, scharf, 4 x 4 Zähne, 95 mm  
Mastoid retractor, sharp 4 x 4 prongs, 3 3/4 inch



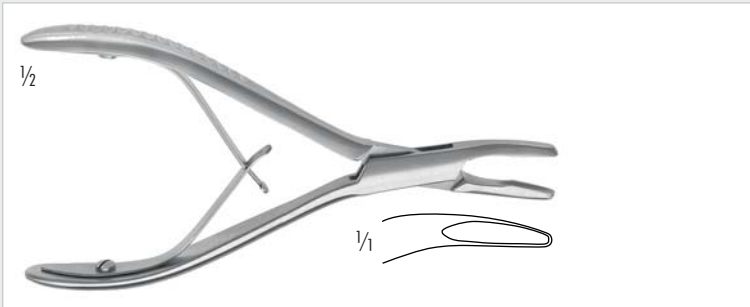
170-234-120 gerade / straight

170-235-120 links gebogen / left curved

170-236-120 rechts gebogen / right curved

**WILLIGER**

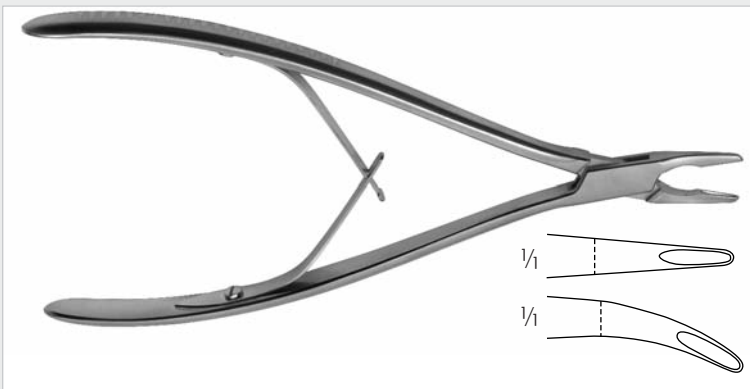
Wundhaken, scharf, 120 mm  
Wound retractor, sharp, 4 3/4 inch



210-640-140

**LUER-FRIEDMANN**

Hohlmeisselzange, leicht gebogen, 145 mm  
Bone Rongeur, slightly curved, 5 3/4 inch



210-832-185

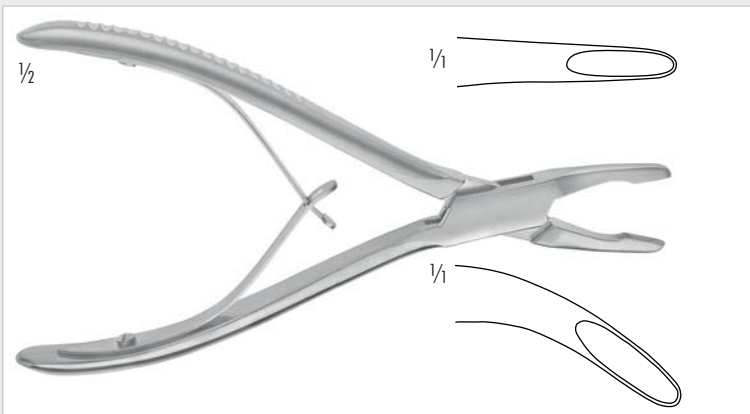
**LEMPERT**

Hohlmeisselzange, gerade, 200 mm  
Bone Rongeur, straight, 8 inch

210-833-185

**LEMPERT**

Hohlmeisselzange, gebogen, 200 mm  
Bone Rongeur, curved, 8 inch



210-826-180

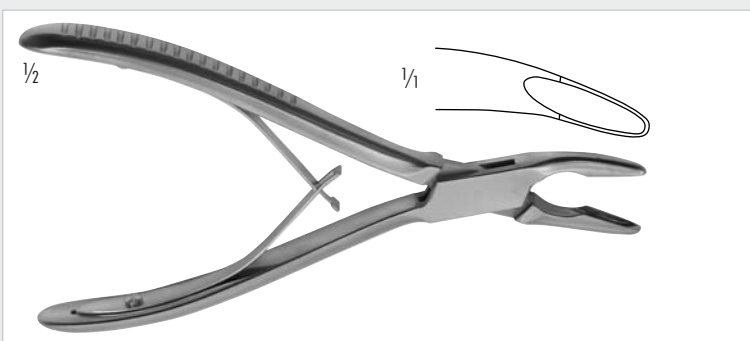
**JANSEN**

Hohlmeisselzange, gerade, 175 mm  
Bone Rongeur, straight, 7 inch

210-829-180

**JANSEN**

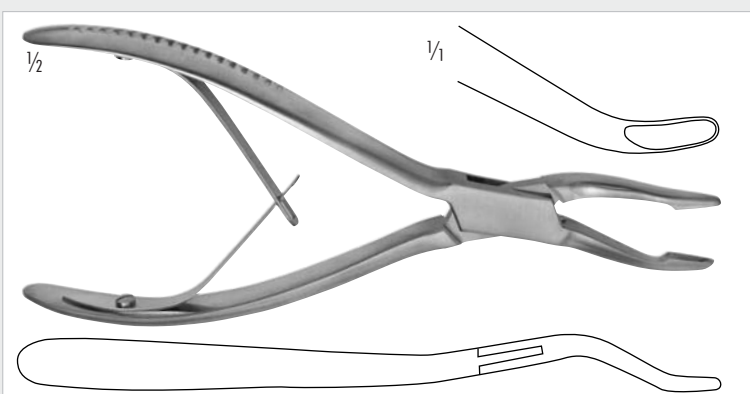
Hohlmeisselzange, gebogen, 175 mm  
Bone Rongeur, curved, 7 inch



210-815-165

**MEAD (BANE)**

Hohlmeisselzange, gebogen, 165 mm  
Bone Rongeur, curved, 6 1/2 inch



210-829-170

**JANSEN**

Hohlmeisselzange, s-förmig gebogen, 190 mm  
Bone Rongeur, s-shaped, 7 1/2 inch





210-789-150

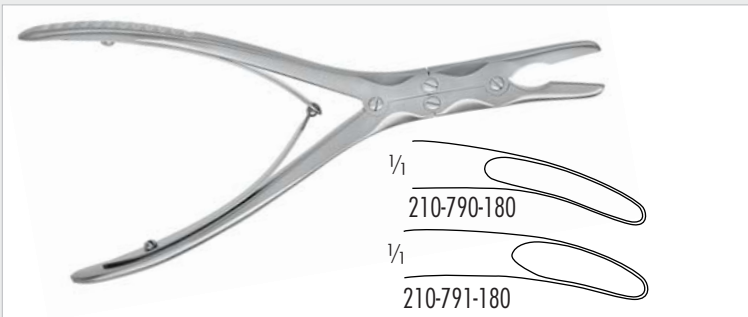
**BOEHLER**

Hohlmeisselzange, gebogen, übersetzt, 3 mm Maul, 155 mm  
Bone Rongeur, curved, double action, 3 mm jaw, 6 inch

210-790-150

**BOEHLER**

Hohlmeisselzange, gebogen, übersetzt, 155 mm  
Bone Rongeur, curved, double action, 6 inch



210-790-180

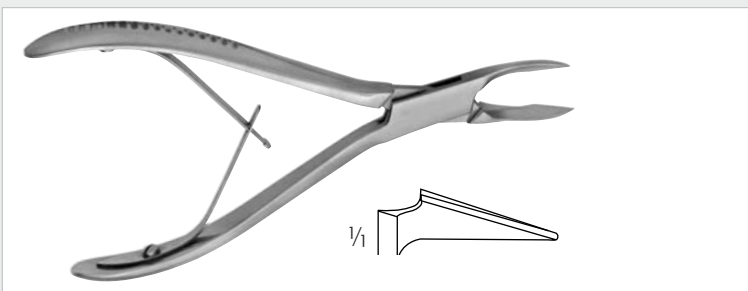
**BEYER**

Hohlmeisselzange, gebogen, übersetzt, 180 mm  
Bone Rongeur, curved, double action, 7 inch

210-791-180

**ZAUFAL-JANSEN**

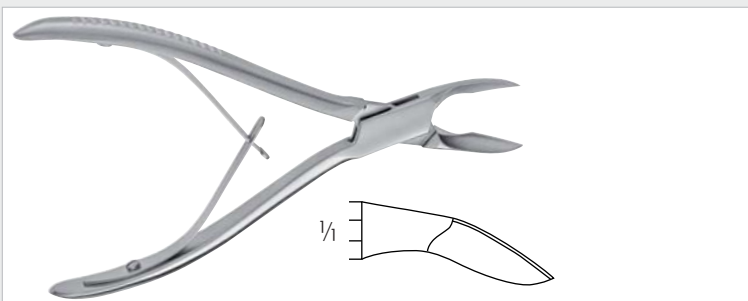
Hohlmeisselzange, gebogen, übersetzt, 180 mm  
Bone Rongeur, curved, double action, 7 inch



210-846-150

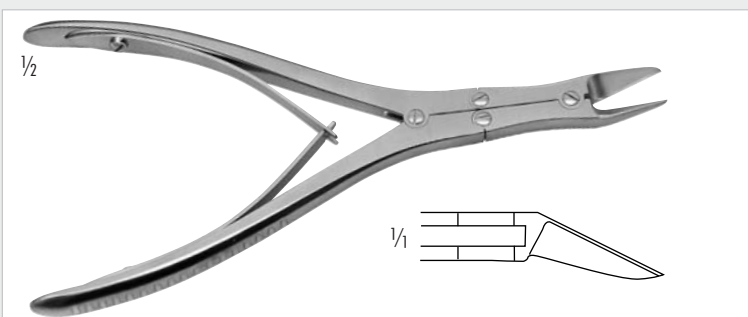
**STAMM**

Knochensplitterzange, 150 mm  
Bone cutting forceps, 6 inch



210-845-170

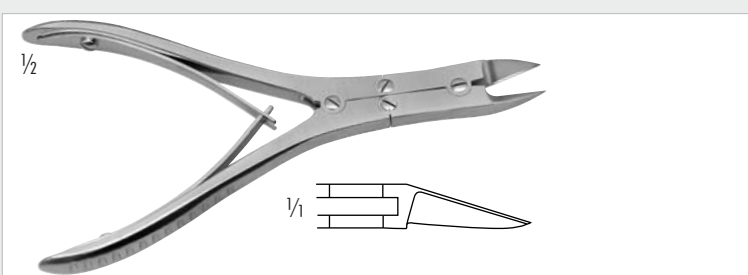
Knochenschneidezange, aufgebogen, 170 mm  
Bone cutting forceps, curved on flat, 6 3/4 inch



210-880-175

**MC INDOE**

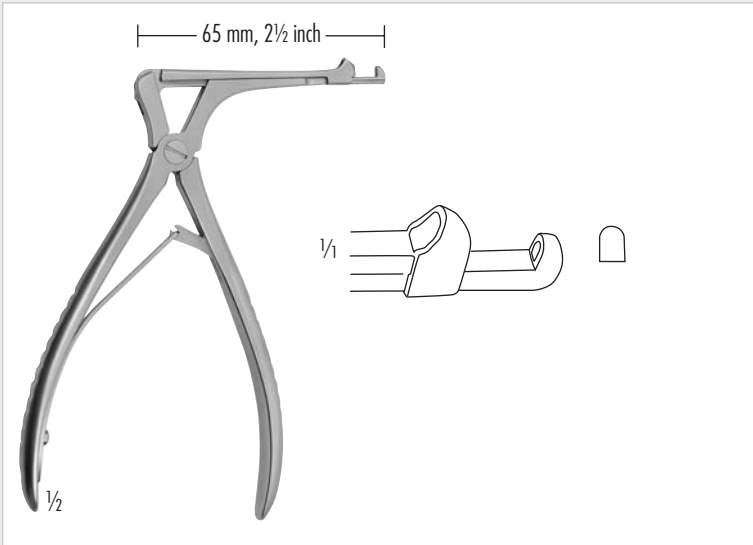
Knochensplitterzange, abgewinkelt, übersetzt, 175 mm  
Bone cutting forceps, angled on flat, double action, 7 inch



210-890-150

**BOEHLER**

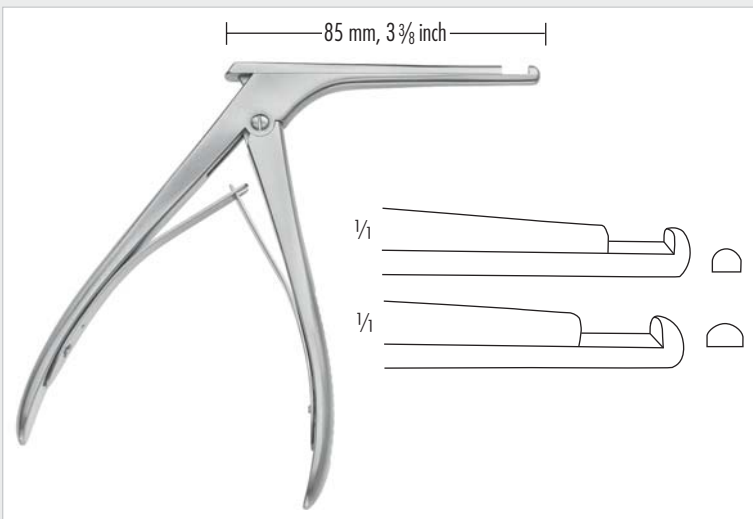
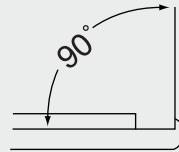
Knochenschneidezange, abgewinkelt, übersetzt, 145 mm  
Bone cutting forceps, angled on flat, double action, 5 3/4 inch



410-241-035

**CITELLI**

Knochenstanze, durchschneidend, 3,5 mm  
Bone Punch, through cutting, 3.5 mm

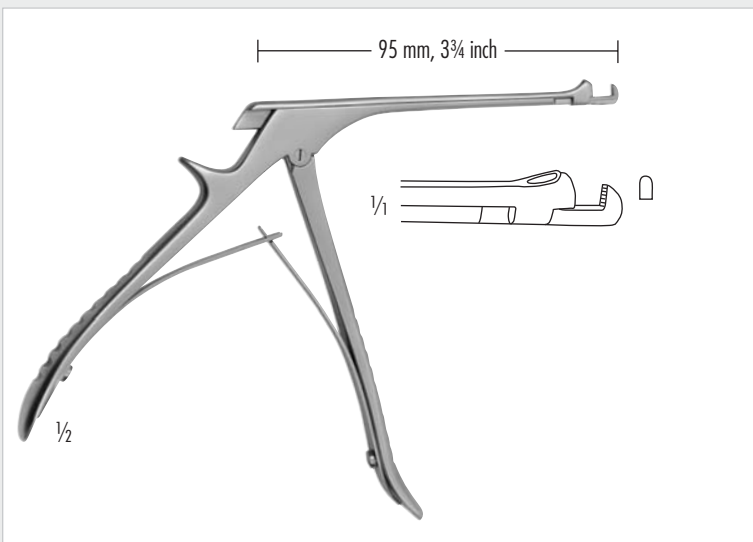
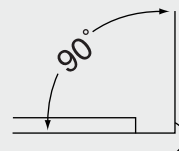


410-245-001 4 mm

410-245-002 5 mm

**KERRISON**

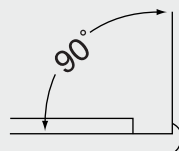
Knochenstanze  
Bone Punch

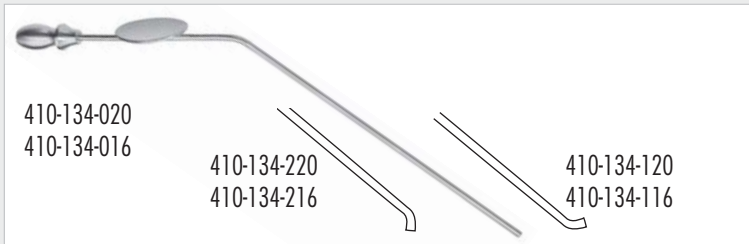


410-242-018 1,8 mm

**CITELLI-BEYER**

Knochenstanze  
Bone Punch





#### VERHOEVEN

410-134-320 Saugrohr, 2,0 mm, gerade  
Suction tube, 2.0 mm, straight

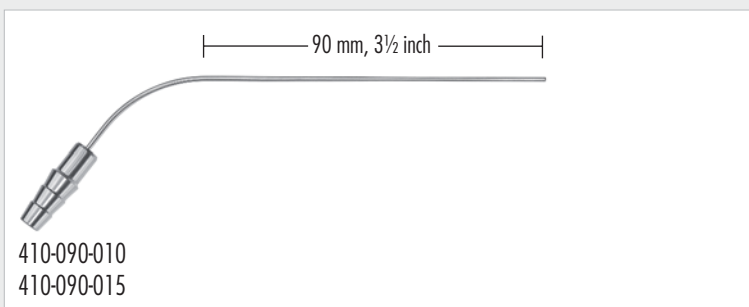
410-134-120 dito, nach oben  
same, curved up

410-134-220 dito, nach unten  
same, curved down

410-134-316 Saugrohr, 1,5 mm, gerade  
Suction tube, 1.5 mm, straight

410-134-116 dito, nach oben  
same, curved up

410-134-216 dito, nach unten  
same, curved down



410-090-010 Saugrohr, kniegebogen, zylindr., Luer, 1,0 mm  
Suction tube, knee bent, cylindr., Luer, 1.0 mm

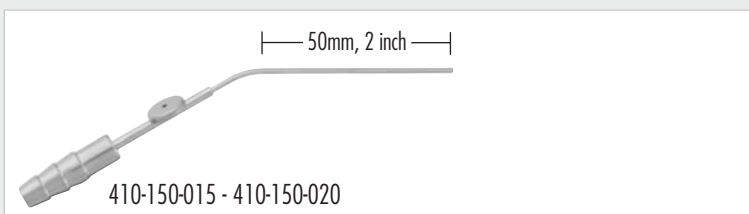
410-090-015 dito, 1,5 mm  
same, 1.5 mm

410-090-020 dito, 2,0 mm  
same, 2.0 mm

410-090-030 dito, 3,0 mm  
same, 3.0 mm

410-090-040 dito, 4,0 mm  
same, 4.0 mm

410-090-050 dito, 5,0 mm  
same, 5.0 mm

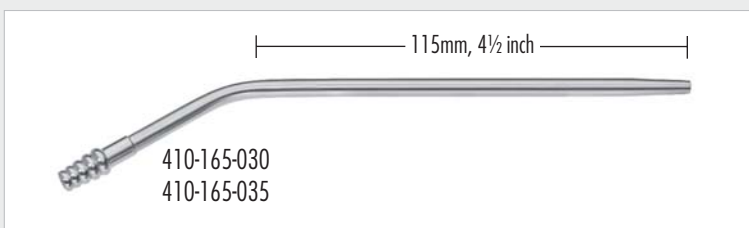


#### BARNES

410-150-015 Saugrohr, Luer, 1,5 mm  
Suction tube, Luer, 1.5 mm

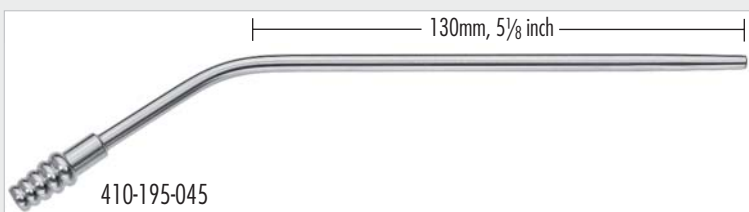
410-150-017 dito, 1,7 mm  
same, 1.7 mm

410-150-020 dito, 2,0 mm  
same, 2.0 mm

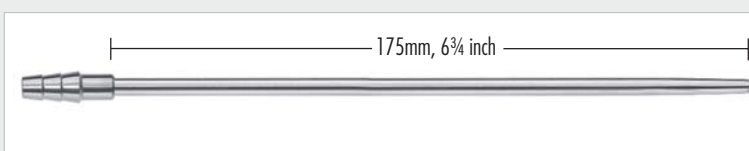


410-165-030 Saugrohr, konisch, 165 mm, Luer, 3,0 mm  
Suction tube, conical, 165 mm, Luer, 3.0 mm

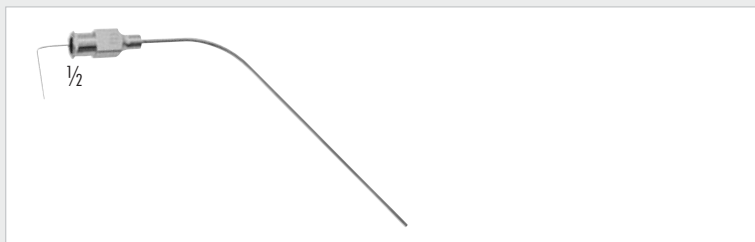
410-165-035 dito, 3,5 mm  
same, 3.5 mm



410-195-045 Saugrohr, 195 mm lang, 4,5 mm,  
Suction tube, 195 mm long, 4.5 mm,



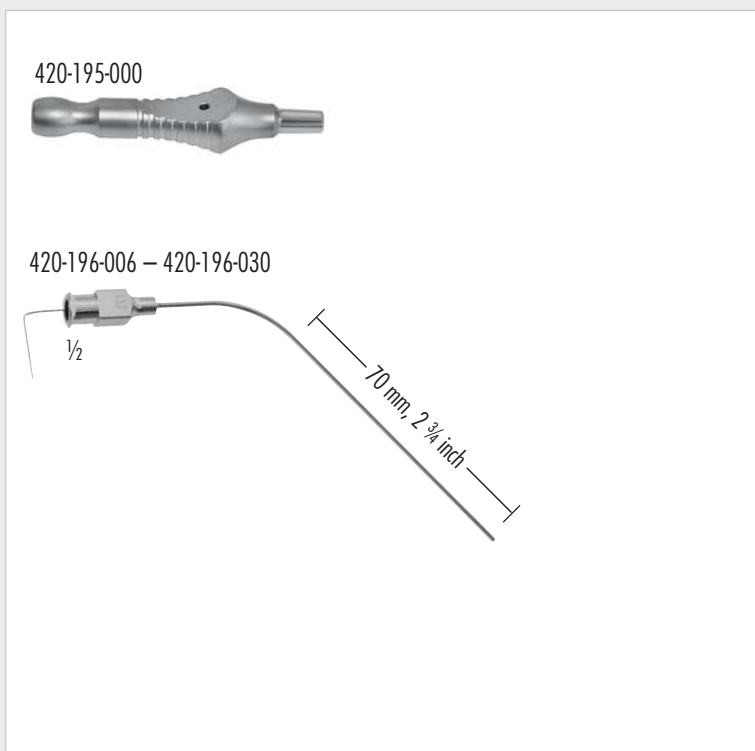
410-225-003 Saugrohr, biegsam, 225 mm, Ø 3mm, Luer  
Suction tube, malleable, 225 mm, Ø 3mm, Luer



- 410-134-016    Ø 16 swg., Ø 1,6 mm
- 410-134-012    Ø 18 swg., Ø 1,2 mm
- 410-134-009    Ø 20 swg., Ø 0,9 mm
- 410-134-007    Ø 22 swg., Ø 0,7 mm
- 410-134-006    Ø 24 swg., Ø 0,6 mm

**VERHOEVEN-ROSEN**

Saugkanüle, mit LUER-Lock, 100 mm  
Suction cannula, with LUER-Lock, 4 inch



**420-195-000**

**HOUSE**

Saugadapter, 55 mm, Saugunterbrecher Durchmesser Olive: 7 mm  
Suction adapter, 2 1/8", finger cut-off, Diameter olive: 7 mm

**420-196-000** Saughandgriff mit LUER-Konus, mit Unterbrecher  
Suction handle, with finger cut-off, with LUER cone

**HOUSE**

Saugkanülen mit Luer-lock  
Suction cannulas with Luer-lock

**420-196-006** 1 Saugkanüle, Ø 0,6 mm, mit LUER-Lock  
1 suction cannulae, Ø 0.6 mm, with LUER-Lock

**420-196-008** dito Ø 0,8 mm/same, Ø 0.8 mm

**420-196-010** dito, Ø 1,0 mm/same, Ø 1.0 mm

**420-196-012** dito, Ø 1,2 mm/same, Ø 1.2 mm

**420-196-015** dito, Ø 1,5 mm/same, Ø 1.5 mm

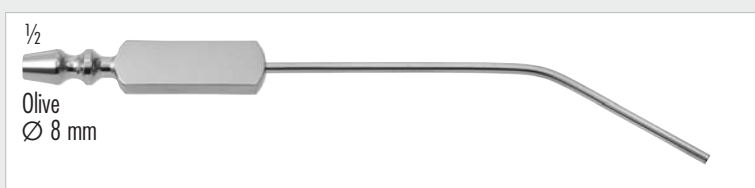
**420-196-018** dito, Ø 1,8 mm/same, Ø 1.8 mm

**420-196-020** dito, Ø 2,0 mm/same, Ø 2.0 mm

**420-196-022** dito, Ø 2,2 mm/same, Ø 2.2 mm

**420-196-025** dito, Ø 2,5 mm/same, Ø 2.5 mm

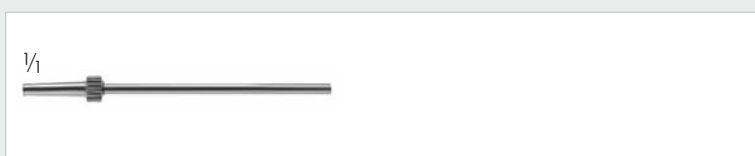
**420-196-030** dito, Ø 3,0 mm/same, Ø 3.0 mm



**410-267-100**

**ZOELLNER**

Saugkanüle, allein  
Suction cannula, only



**410-267-012**    Ø 18 swg., Ø 1,2 mm

**410-267-009**    Ø 20 swg., Ø 0,9 mm

**410-267-007**    Ø 22 swg., Ø 0,7 mm

**410-267-006**    Ø 24 swg., Ø 0,6 mm

**410-267-004**    Ø 26 swg., Ø 0,4 mm

**ZOELLNER**

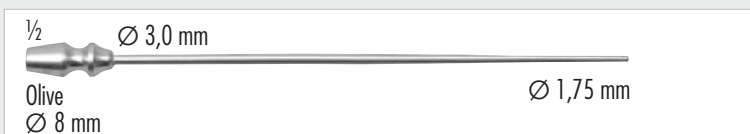
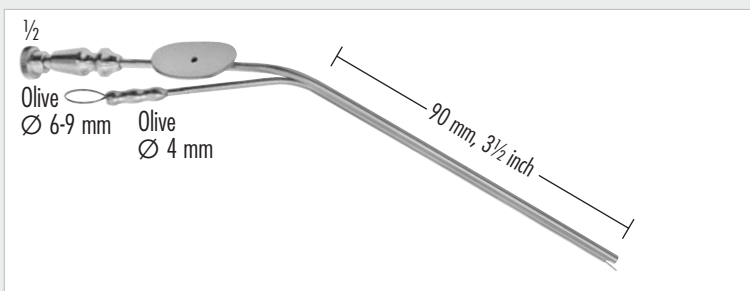
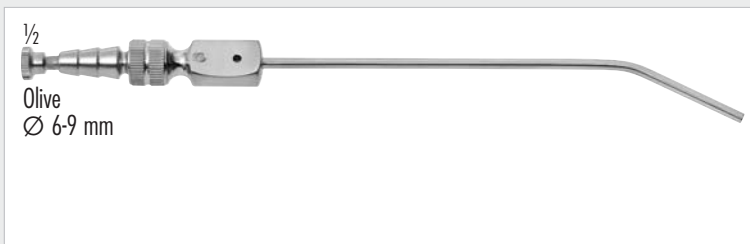
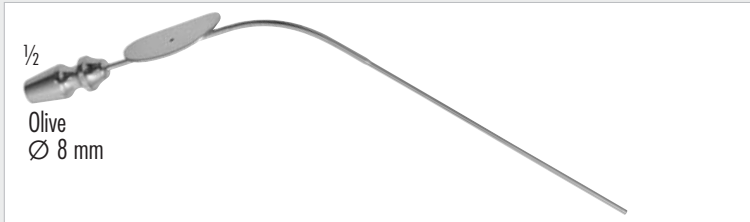
Auswechselbare Spitzen, Bestelleinheit: PZ = Packung á 10 Stück  
Detachable suction tips, Sales unit: PZ = Package of 10 pieces



**410-135-000**

**WULLSTEIN**

Saughandgriff, mit Fingerunterbrecher, 140 mm  
Suction handle, with finger-cut-off, 5 1/2 inch



165-536-010 18 Gauge 165-536-009 20 Gauge  
165-536-007 22 Gauge 165-536-006 24 Gauge

**SCHUKNECHT**

Saugkanüle, 130 mm  
Suction cannula, 5 1/8 inch

	75 mm/3 inch	100 mm/ 4 inch
3Charr./1,0 mm	165-538-003	165-539-003
5Charr./1,8 mm	165-538-005	165-539-005
7Charr./2,3 mm	165-538-007	165-539-007

**BARRON**

Saugkanüle mit Saugunterbrecher und Mandrin  
Suction cannula with finger cut-off and stylet

Ø	130 mm/5 inch	180 mm/7 inch
1,5 mm	165-625-005	165-525-005
2,0 mm	165-625-006	165-525-006
2,5 mm	165-625-008	165-525-008
3,0 mm	165-625-010	165-525-010
4,0 mm	165-625-012	165-525-012
5,0 mm	165-625-015	165-525-015

**FERGUSSON**

Saugkanüle mit Saugunterbrecher und Mandrin,  
Griffplatte 90° zur Biegung, LUER-Bohrung  
Suction cannula with finger cut-off and stylet,  
thumb piece 90° to curve, with LUER hub

165-725-008	Ø 1,5 mm
165-725-010	Ø 2,0 mm
165-725-012	Ø 2,5 mm
165-725-015	Ø 3,0 mm

**PLESTER**

Saugkanüle mit Saugunterbrecher und Mandrin, Griffplatte parallel  
zur Biegung, LUER-Bohrung, 195 mm  
Suction cannula with finger cut-off and stylet, thumb piece parallel  
to curve, with LUER hub, 7 3/4 inch

252-140-003	Saugrohr Ø 0,9 mm, Spühhrohr Ø 0,7 mm suction tube Ø 0.9 mm, irrigation tube Ø 0.7 mm
252-140-004	Saugrohr Ø 1,2 mm, Spühhrohr Ø 0,9 mm suction tube Ø 1.2 mm, irrigation tube Ø 0.9 mm
252-140-005	Saugrohr Ø 1,5 mm, Spühhrohr Ø 1,2 mm suction tube Ø 1.5 mm, irrigation tube Ø 1.2 mm

**HOUSE**

Saugkanüle mit Saugunterbrecher und Mandrin, LUER-Bohrung  
Suction cannula with finger cut-off and stylet, with LUER hub

410-135-160	Ø 1,5 mm
410-132-160	Ø 2,0 mm

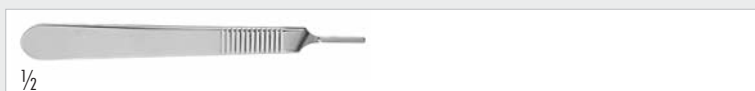
**WULLSTEIN**

Saugrohr, zylindrisch, aus Silber, mit Mandrin, Olive mit LUER Bohrung  
Suction tube, cylindrical, silver plated, with stylet, olive with LUER hub  
160 mm, 6 1/4 inch

410-133-160

**WULLSTEIN**

Saugrohr, konisch, aus Silber, Olive mit LUER-Bohrung, 160 mm  
Suction tube, conical, silver plated, olive with LUER hub, 6 1/4 inch



110-110-003  
Skalpell Griff Nr. 3, 130 mm  
Scalpel Handle No. 3, 5 1/8 inch



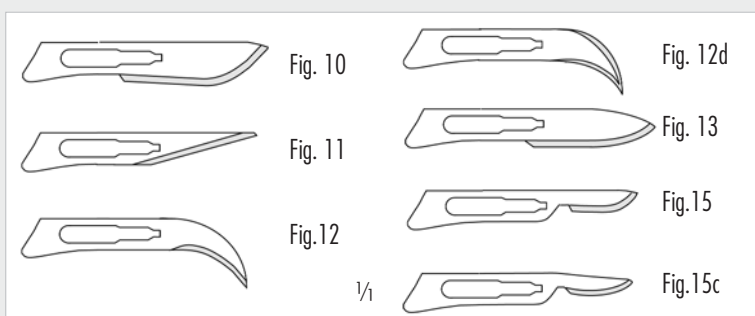
110-114-003  
Skalpell Griff Nr. 3, graduiert, 130 mm  
Scalpel Handle No. 3, graduated, 5 1/8 inch



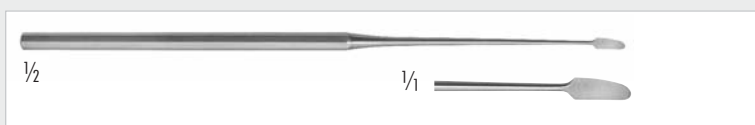
110-130-077  
Skalpell Griff Nr. 7, 165 mm  
Scalpel Handle No. 7, 6 1/2 inch



110-130-007  
Skalpell Griff Nr. 7K, 130 mm  
Scalpel Handle No. 7K, 5 inch



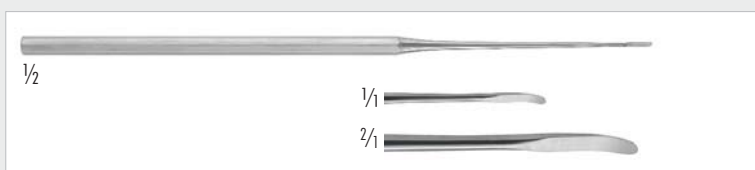
110-201-010 Fig.10  
110-201-011 Fig.11  
110-201-012 Fig.12  
110-201-112 Fig.12d  
110-201-013 Fig.13  
110-201-015 Fig.15  
110-201-115 Fig.15c  
Skalpellklingen Fig. 15, steril, PA à 100 Stück  
Scalpel blades Fig. 15, sterile, PA = 100 pieces



410-329-160  
**WULLSTEIN**  
Raspatorium, gebogen, 160 mm  
Raspatory, rounded blade, curved, 6 1/4 inch



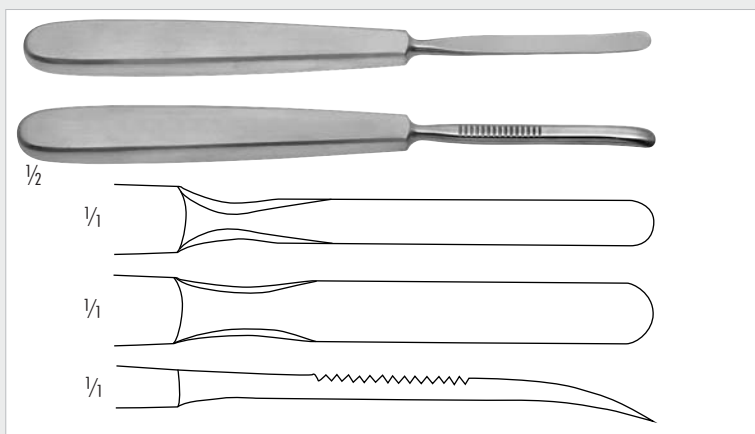
410-328-165  
**BEALES**  
Raspatorium, 165 mm  
Raspatory, 6 1/2 inch



410-327-165  
**BEALES**  
Raspatorium, spatelförmiges Blatt, klein, 165 mm  
Raspatory, spatula end, small, 6 1/2 inch



410-330-160  
**LEMPERT**  
Raspatorium, schmal, gerade, 160 mm  
Raspatory, narrow, straight, 6 1/4 inch



210-439-006 6 mm  
210-439-008 8 mm  
Raspatorium, leicht gebogen, 165 mm  
Raspatory, slightly curved, 6 1/2 inch



120-047-120

**WAGNER**

Zahnfleissschere, gebogen, stumpf, 120 mm  
Gum scissors, curved, blunt, 4 3/4 inch



120-057-140

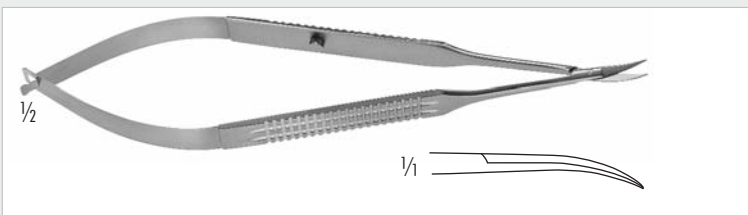
**SANVENERO**

Chirurgische Schere, gebogen, spitz, 140 mm  
Operating scissors, curved, sharp, 5 1/2 inch



120-071-105

Irisschere, gebogen, 105 mm  
Iris scissors, curved, 4 1/4 inch



250-064-021

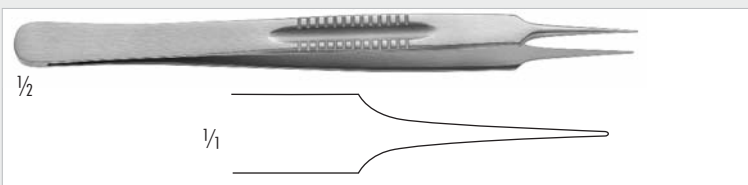
**MILLES**

Mikro Federschere, gebogen, Schneiden gezahnt, 160 mm  
Micro Scissors (Spring Type), toothed blades, curved, 6 1/4 inch



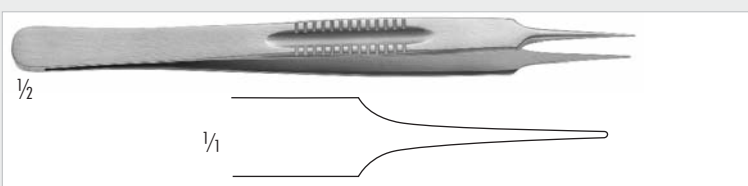
250-064-079

Mikro Nadelhalter, gebogen, mit breitem Griff, 160 mm  
Micro Needle Holder, curved, with wide handle, 6 1/4 inch



250-024-260

Mikro Lazar Pinzette, 0,5 mm Spitzen, 155 mm  
Micro Lazar Forceps, 0.5 mm tips, 6 inch



250-024-261

Mikro Lazar Pinzette, 0,8 mm Spitzen, 155 mm  
Micro Lazar Forceps, 0.8 mm tips, 6 inch



251-613-110

Gefäßdilator, gerade, Flachgriff, 9 mm breit, 110 mm  
Vessel dilator, straight, flat handle, 9 mm wide, 4 3/8 inch



130-145-125

**SEMKEN**

Chirurgische Pinzette, 1 x 2 Zähne, 125 mm  
Tissue forceps, 1 x 2 teeth, 5 inch



130-145-150

**SEMKEN**

Chirurgische Pinzette, 1 x 2 Zähne, 150 mm  
Tissue forceps, 1 x 2 teeth, 6 inch



130-144-150

**SEMKEN**

Anatomische Pinzette, 150 mm  
Dressing forceps, 6 inch



410-383-120

**DERLACKI**

Chirurgische Gehörknöchelchen-Pinzette mit Schließschraube,  
Mehrfachzahnung, 120 mm  
Aural tissue forceps with locking screw, for small aural bones,  
multiple teeth, 4 3/4 inch



130-550-120

Mikro- Adson Pinzette, 1 x 2 Zähne, 120 mm  
Micro- Adson Forceps, 1 x 2 teeth, 4 3/4 inch



130-548-120

Mikro- Adson Pinzette, gerieft, 120 mm  
Micro- Adson dressing forceps, serrated, 4 3/4 inch



130-503-100

**GRAEFE**

Feine chirurgische Pinzette, 1x2 Zähne, gerade, 100 mm  
Delicate tissue forceps, 1x2 teeth, straight, 4 inch



130-504-100

**GRAEFE**

Feine chirurgische Pinzette, 1x2 Zähne, gebogen, 100 mm  
Delicate tissue forceps, 1x2 teeth, curved, 4 inch



130-500-100

**GRAEFE**

Feine anatomische Pinzette, gerade, 100 mm  
Delicate dressing forceps, straight, 4 inch

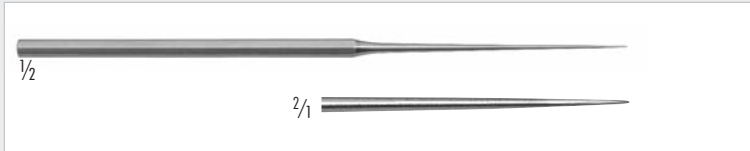


130-501-100

**GRAEFE**

Feine anatomische Pinzette, gebogen, 100 mm  
Delicate dressing forceps, curved, 4 inch

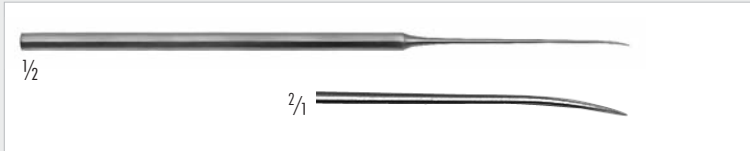




410-110-155 spitz/pointed  
410-110-160 stumpf/blunt

**BARBARA**

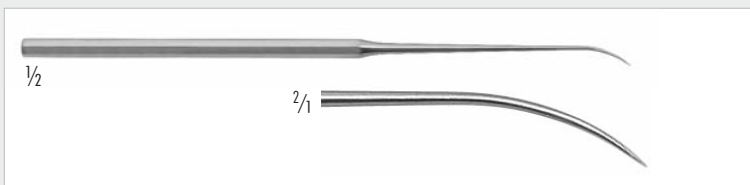
Mikro- Nadel (Perforator), gerade, 160 mm  
Micro Needle (perforator), straight, sharp point, 6 1/4 inch



410-111-155

**WULLSTEIN**

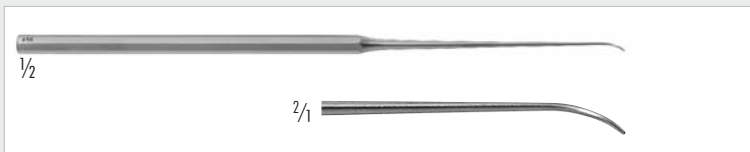
Mikro- Nadel (Perforator), leicht gebogen, 160 mm  
Micro Needle (perforator), slightly curved, sharp point, 6 1/4 inch



410-112-155

**BARBARA**

Mikro-Nadel (Perforator), leicht, lange Biegung, 160 mm  
Micro Needle (perforator), slightly, long curvature, 6 1/4 inch



410-114-155

**BARBARA**

Mikro-Nadel (Perforator), stark gebogen, 160 mm  
Micro Needle (perforator), acute curved, sharp point, 6 1/4 inch



410-116-155

**ROSEN**

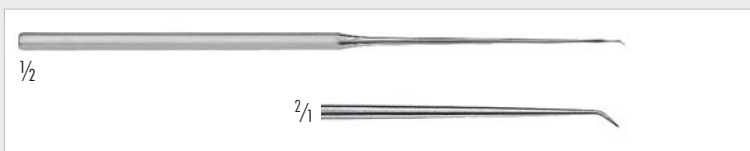
Mikro-Häkchen, stark lang gebogen, 160 mm  
Micro Hook, acute long curvature, 6 1/4 inch



410-115-003 0,3 mm  
410-115-006 0,6 mm  
410-115-010 1,0 mm

**SHAMBOUGH**

Mikro-Häkchen, 25° abgewinkelt, 160 mm  
Micro Hook, 25° angled, 6 1/4 inch



410-117-002 0,2 mm      410-117-003 0,3 mm  
410-117-004 0,4 mm      410-117-006 0,6 mm  
410-117-008 0,8 mm      410-117-010 1,0 mm  
410-117-012 1,2 mm      410-117-015 1,5 mm  
410-117-020 2,0 mm      410-117-025 2,5 mm

**SHAMBOUGH**

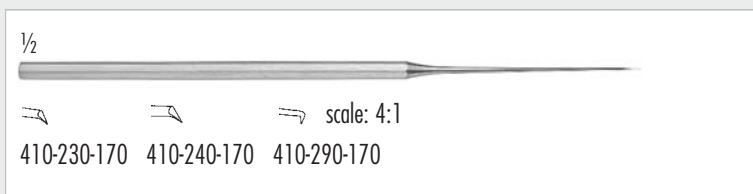
Mikro-Häkchen, 45° abgewinkelt, 160 mm  
Micro Hook, 45° angled, 6 1/4 inch



410-210-002 0,2 mm      410-210-003 0,3 mm  
410-210-004 0,4 mm      410-210-006 0,6 mm  
410-210-008 0,8 mm      410-210-010 1,0 mm  
410-210-012 1,2 mm      410-210-015 1,5 mm  
410-210-020 2,0 mm      410-210-025 2,5 mm

**SHAMBOUGH**

Mikro-Häkchen, 90° abgewinkelt, 160 mm  
Micro Hook, 90° angled, 6 1/4 inch



410-230-170 0.33mm Spitze/tip, 30° gebogen/angled  
410-240-170 0.66mm Spitze/tip, 30° gebogen/angled  
410-290-170 0.33mm Spitze/tip, 90° gebogen/angled

**HOUSE**

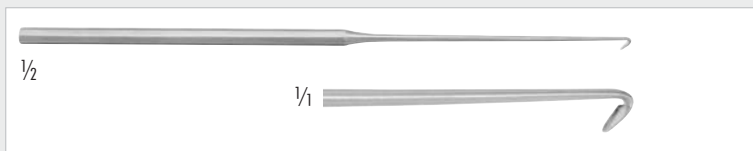
Oval Window Pick, 8-kant Griff, spitz, 17cm  
Oval Window Pick, Octagon handle, pointed, 6<sup>3/4</sup> inch



410-119-010 1,0 mm  
410-119-025 2,5 mm  
Mikro-Häkchen, retrograd gebogen, 160 mm  
Micro hook, reverse curved, 6 1/4 inch



410-119-110  
**BLOCH**  
Ohrstopfer, 110 mm  
Aural plugger, 4 1/3 inch



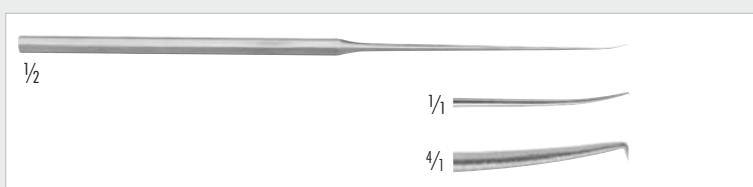
410-120-020 2,0 mm  
**PLESTER**  
Ohrschaber, 60° abgewinkelt, zum Anfrischen der Trommelfellrückseite, 160 mm  
Aural scraper, 60° angled, for roughening of tympanum surface, 6 1/4 inch



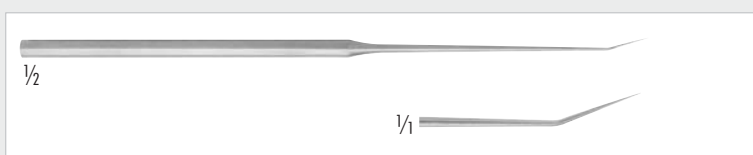
410-216-006 0,6 mm  
**HEERMANN**  
Häkchen, retrograd schneidend, 160 mm  
Hook, reverse cutting, 6 1/4 inch



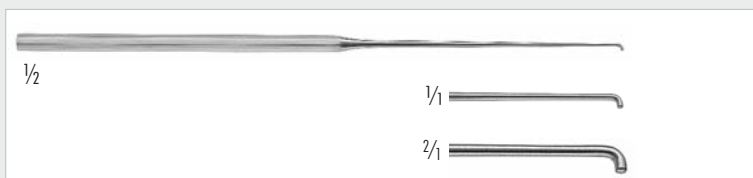
410-216-004 0,4 mm  
**PLESTER**  
Fußplatten-Häkchen, 90° abgewinkelt, oval, stumpf, 160 mm  
Footplate hook, 90° angled, oval, blunt, 6 1/4 inch



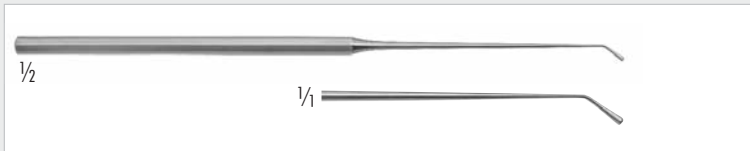
410-216-007  
Mikro-Häkchen, leicht abgewinkelte Spitze, 160 mm  
Mikro Hook, slightly angled at tip, 6 1/4 inch



410-216-008  
**BEALE**  
Mikro-Ohrhäkchen, nach oben abgewinkelt, 160 mm  
Footplate Hook, angled upwards for removal of footplate, 6 1/4 inch



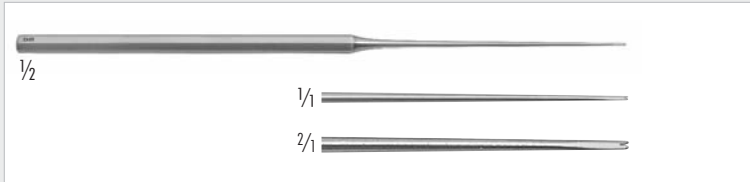
410-216-009  
**PLESTER**  
Antrumhäkchen, 90° abgewinkelt, zylindrisch, 160 mm  
Antrum hook, 90° angled, cylindric, 6 1/4 inch



410-216-045

**PLESTER**

Antrumhäkchen, 45° abgewinkelt, zylindrisch, 160 mm  
Antrum hook, 45° angled, cylindric, 6 1/4 inch



410-216-160

**PLESTER**

Applikationsinstrument (Führungsgabel, Stapesreiter) für Stapesprothesen mit Drahtschlinge, (Arbeitsende flach), 160 mm  
Wire guide and applicator for stapes prosthesis, flat end with V-notch, 6 1/4 inch



410-216-165

**HUGHES**

Steigbügelhäkchen, 165 mm  
Stapes mobiliser, 6 1/2 inch



25° nach hinten gebogen  
/angled backwards

410-210-303 0,3 mm  
410-210-306 0,6 mm  
410-210-310 1,0 mm

**BARBARA** kniegebogen/knee bent  
410-113-155  
gerade/straight

25° nach vorne gebogen  
/angled forwards

410-210-203 0,3 mm  
410-210-206 0,6 mm  
410-210-210 1,0 mm

**ROSEN** kniegebogen/knee bent  
410-115-153  
gebogen/curved

45° nach hinten gebogen  
/angled backwards

410-217-003 0,3 mm  
410-217-006 0,6 mm  
410-217-010 1,0 mm

retrograd nach hinten gebogen  
/retrograde angled backwards  
410-116-205 0,5 mm  
410-116-210 1,0 mm

45° nach vorne gebogen  
/angled forwards

410-217-103 0,3 mm  
410-217-106 0,6 mm  
410-217-110 1,0 mm

retrograd nach vorne gebogen  
/retrograde angled forwards  
410-116-305 0,5 mm  
410-116-310 1,0 mm

90° nach hinten gebogen  
/angled backwards

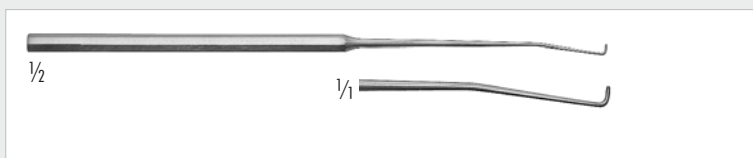
410-216-003 0,3 mm  
410-216-005 0,6 mm  
410-216-010 1,0 mm

90° nach vorne gebogen  
/angled forwards

410-116-103 0,3 mm  
410-116-105 0,6 mm  
410-116-110 1,0 mm

**HOUGH**

Mikro Häkchen, 160 mm  
Micro hook, 6 1/4 inch



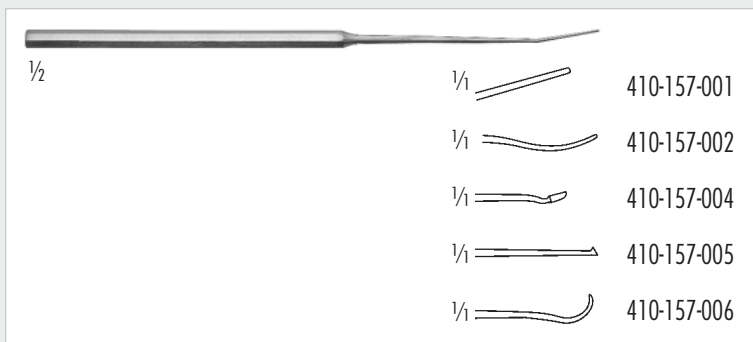
410-157-090 3 mm stumpf/blunt

410-157-095 5mm stumpf/blunt

**AUSTIN**

Attikusdissektor, 90° gebogen, 165 mm

Attic Dissector, 90° angled, 6 1/2 inch



410-157-001 Elevatorium/Elevator 1,0 mm

410-157-002 Raspatorium/Raspatory 1,0 mm

410-157-003 Raspatorium/Raspatory 1,2 mm

410-157-004 Löffel/Spoon

410-157-005 Häkchen retrograd scheidend, 0,6 mm

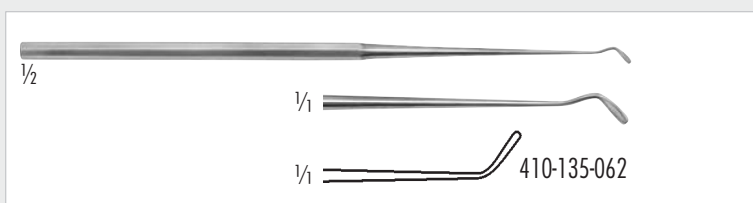
Hook retrograde cutting, 0.6 mm

410-157-006 Raspatorium/Raspatory 1,8 mm

**AUSTIN**

165 mm

6 1/2 inch



410-135-060 doppelt gebogen links

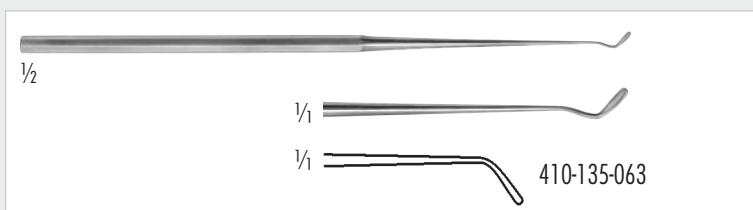
double curved left

410-135-062 einfach gebogen links

single curved left

Trommelfell Exkavator, schmal, 160 mm

Excavator, narrow, 6 1/4 inch



410-135-061 doppelt gebogen rechts

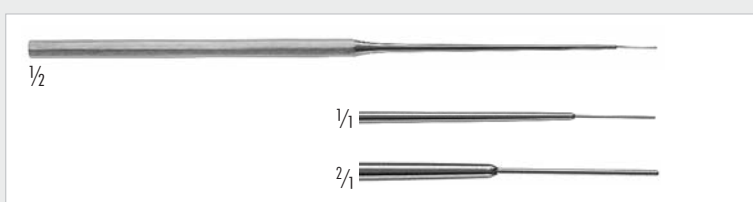
double curved rechts

410-135-063 einfach gebogen rechts

single curved rechts

Trommelfell Exkavator, schmal, 160 mm

Tympanum Excavator, narrow, 6 1/4 inch



410-137-004 0,4 mm

410-137-006 0,6 mm

410-137-008 0,8 mm

Messzylinder, 165 mm

Caliper, 6 1/2 inch



410-137-013 0,3 mm

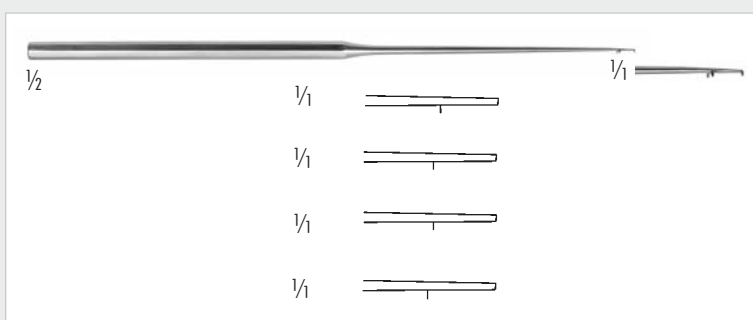
410-137-014 0,4 mm

410-137-015 0,5 mm

410-137-016 0,6 mm

Perforator, 165 mm

Perforator, 6 1/2 inch



410-142-166

Mess-Sonde, Markierungen bei 3,5 - 4 - 4,5 mm zur

Längenbestimmung der Stapesprothese, 160 mm

Measuring probe (caliper) markings at 3.5 - 4 - 4.5 mm,

to determine length of stapes prosthesis, 6 1/4 inch

410-142-135 Markierung 3,5 mm/Mark 3.5 mm

410-142-140 Markierung 4,0 mm/Mark 4.5 mm

410-142-145 Markierung 4,5 mm/Mark 4.5 mm

410-142-150 Markierung 5,0 mm/Mark 5.0 mm



410-144-000  
 Schneidevorrichtung für Prothesen  
 Cutting Jig for Prosthesis



410-143-000 92 x 54 mm  
 Präparierblech aus Metall mit mm Skala  
 Preparation tray with mm scale, stainless steel



410-155-800  
 Universal Titan Prothesen Messgerät, Messbereich von 2.5 bis 9mm  
 Universal Titanium Prosthesis Sizer, measuring from 2.5 till 9mm

### HEERMANN

Instrumentarium zur Ausmeisselung der Stapes-Fussplatte  
Instruments for the removal of the stapedial footplate

410-144-007 0,7 mm

Hohlmeissel, sehr fein  
Gouge, very delicate

410-144-010 1,0 mm

Hohlmeissel für Fensterung  
Gouge for fenestration

410-144-015 1,5 mm

Hohlmeissel für Fensterung  
Gouge for fenestration

410-144-017 0,7 mm

Flachmeissel, sehr fein  
Chisel, very delicate

410-144-030 3,0 mm

Hohlmeissel für Fensterung  
Gouge for fenestration

410-144-100

Handgriff für die Spezialmeissel. Die Meissel können mit der Feststellschraube in jeder Position fixiert werden.  
Handle to hold specially designed chisel and gouges. The knurled screw holds inserts securely in place.

410-144-200

### HEERMANN

Metallhammer, mit Hohlheft, 195 mm  
Mallet, metal, with hollow handle, narrow head, 7 ¾ inch

410-145-000

### SCHUKNECHT

Biegegerät zum Formen von Stapes Drahtprothesen aus rostfreiem Stahl. Biegeplatte mit Millimereinteilung.  
Bending device for stapes. This dye is used to pre-form stainless steel wire prosthesis to produce the appropriate button-hook shape for easy attachment to the incus. Measuring the length of the prosthesis, millimeter scale is centered on the bending dye.





410-046-160 1,5 x 2,5 mm

**SHEA**

Scharfer Löffel für Tympanoplastik, oval, mit kniegebogenem Schaft, 160 mm  
Curette, sharp for tympanoplasty, oval cup, upwards cutting with knee bent shaft, 6 1/4 inch



410-047-160 1,5 x 2,5 mm

**SHEA**

Scharfer Löffel für Tympanoplastik und Myringoplastik, ovaler Löffel, 160 mm  
Curette, sharp for tympanoplasty and myringoplasty, oval cups, 6 1/4 inch



410-044-001 Ø 1,0 + 1,2 mm

410-044-002 Ø 1,5 + 1,8 mm

**HOUSE**

Scharfer Doppel-Löffel für Stapedektomie, ovale Löffel, leicht gebogen, 150 mm  
Curette, sharp, double ended, for stapedectomy, oval cups, slightly curved, 6 inch



410-044-003 Ø 1,0 + 1,2 mm

410-044-004 Ø 1,5 + 1,8 mm

**HOUSE**

Scharfer Doppel-Löffel für Stapedektomie, oval, stark gebogen, 150 mm  
Curette, sharp, double ended, for stapedectomy, oval cups, strongly curved, 6 inch



410-044-150

**HOUSE-STAPES**

Kürette, doppelendig, 2x2,5mm, 2,25x3mm, 35° abgewinkelt, 150mm  
Curette, double ended, 2x2.5mm, 2.25x3mm, 35° angled, 6 inch



410-089-001

**SCHUKNECHT**

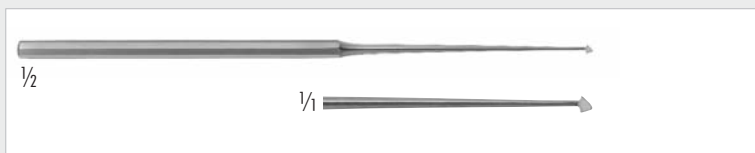
Rollmesser, rechtwinklig zum Schaft, zur Inzision im äusseren Gehörgang, 160 mm  
Roller knife, for incision of the bony external auditory meatus, blade at the right angle to shaft, 6 1/4 inch



410-089-002

**SCHUKNECHT**

Rollmesser, parallel zum Schaft, zur Inzision im äusseren Gehörgang, 160 mm  
Roller knife, for incision of the bony external auditory meatus, but blade in line with shaft, 6 1/4 inch

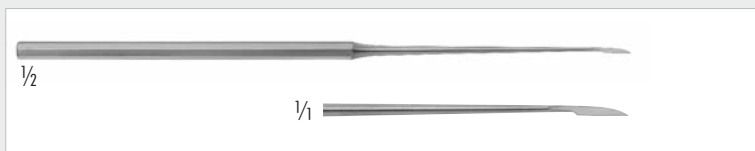


410-093-160

**ROSEN**

Lanzettenmesser, 160 mm

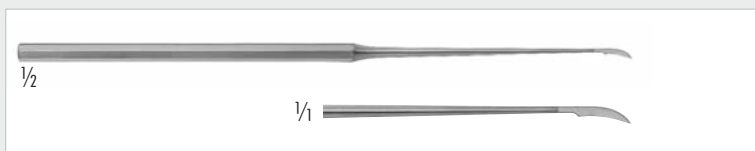
Knife and elevator, spear pointed blade, 6 1/4 inch



410-100-160

Diszisionsmesser, gerades Blatt, 160 mm

Footplate knife, straight blade, 6 1/4 inch

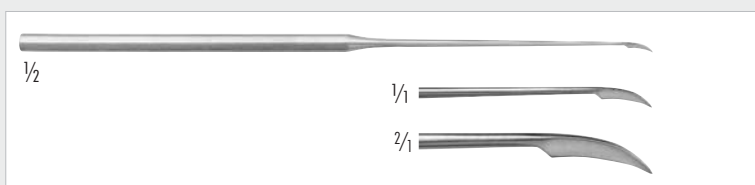


410-101-160

**PLESTER**

Sichelmesser, leicht gebogenes Blatt, 160 mm

Sickle knife, slightly curved blade, 6 1/4 inch

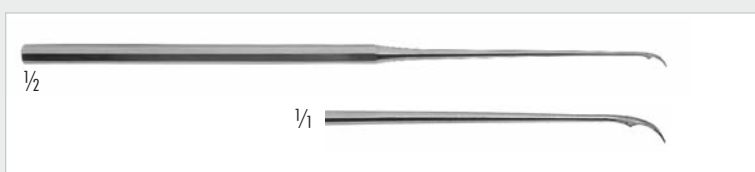


410-103-160

**THORBURN**

Sichelmesser, gebogenes Blatt, 165 mm

Sickle knife, curved blade, 6 1/2 inch

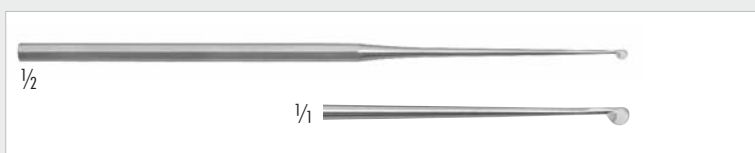


410-109-170

**BEALES**

Sehnenmesser, 170 mm

Tendon knife, 6 3/4 inch

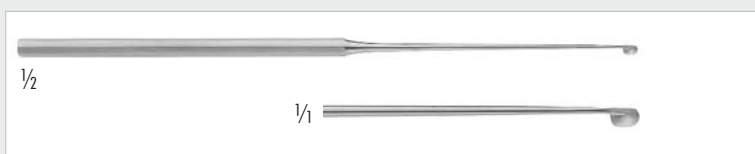


410-124-160 2,4 mm x 3 mm

**PLESTER**

Lappenmesser, rundum schneidend, 160 mm

Flap knife, round cutting, 6 1/4 inch

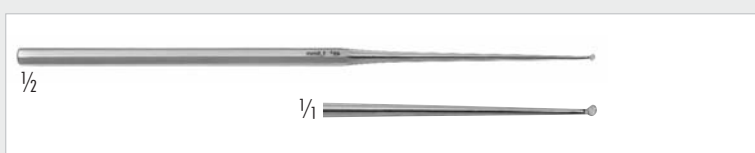


410-092-001 2,4 mm x 3,5 mm

**PLESTER**

Lappenmesser, rundum schneidend, 160 mm

Flap knife, round cutting, 6 1/4 inch



410-118-010 Ø 1,0 mm

410-118-012 Ø 1,2 mm

410-118-015 Ø 1,5 mm

410-118-016 Ø 1,6 mm

410-118-020 Ø 2,0 mm

410-118-023 Ø 2,3 mm

410-118-026 Ø 2,6 mm

410-118-028 Ø 2,8 mm

410-118-030 Ø 3,0 mm

**ROSEN**

Rundschnittmesser, sehr fein, 45° abgewinkelt, 160 mm

Round cutting knife, slender, 45° angled, 6 1/4 inch





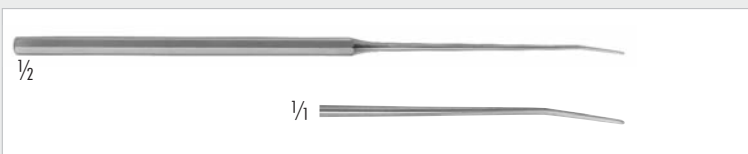
- 410-119-015 Ø 1,5 mm
- 410-119-020 Ø 2,0 mm
- 410-119-025 Ø 2,5 mm
- 410-119-030 Ø 3,0 mm

**ROSEN**

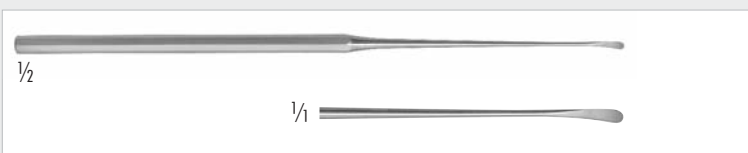
Rundschnittmesser, 90° abgewinkelt, 160 mm  
 Round cutting knife, 90° angled, 6 1/4 inch



- 410-135-048 2 mm breit / wide
- Transplantat-Träger und Raspatorium, 160 mm  
 Graft holder and elevator, for lifting drum forward, 6 1/4 inch



- 410-135-050 1 mm breit / wide
- Stapes-Elevatorium, leicht abgewinkelt, 160 mm  
 Stapes Elevator for lifting drum forward, slightly angled, 6 1/4 inch

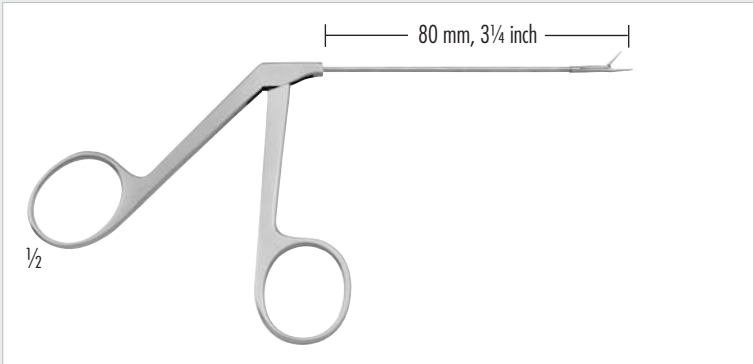


- 410-135-051 1,8 mm breit / wide
- Raspatorium, Spitze rund, zum Ablösen von weichem Gewebe,  
 leicht aufgebogen, 160 mm  
 Elevator, round edge, slightly curved, for dissection of soft  
 tissue, 6 1/4 inch

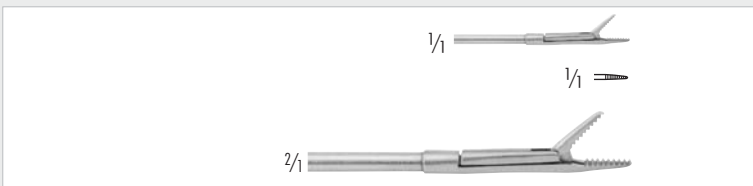


- 410-154-130 12x15mm Blatt, 130 mm  
 12x15mm plates, 5 1/8 inch
- 410-154-180 11x14 mm Blatt, 180 mm  
 11x14 mm plates, 7 inch
- 410-155-180 30x30mm Blatt, 180 mm  
 30x30mm plates, 7 inch
- 410-156-180 22x30mm Blatt, 180 mm  
 22x30mm plates, 7 inch

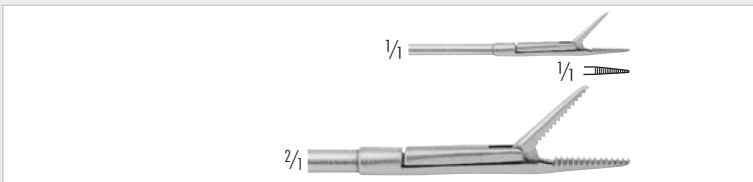
Implantate Presszange, glattes rechteckiges Maul  
 Vein graft, press forceps, smooth square jaws,



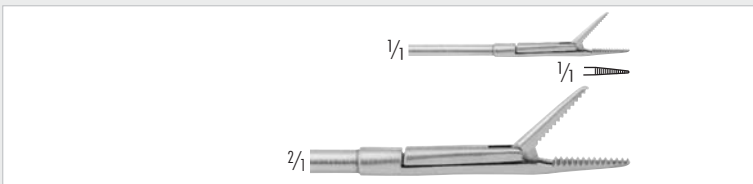
410-330-000 - 410-339-000  
Mikro Faßzängchen, **Rohrschaft**  
Micro aural forceps with **tubular shaft**



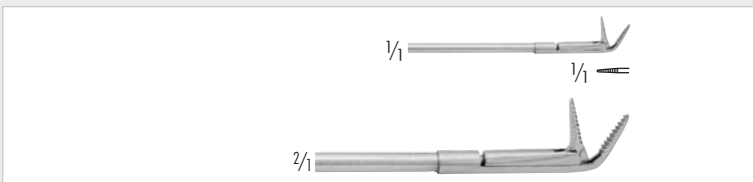
410-330-000 0,8 x 3,5 mm  
gerade  
straight



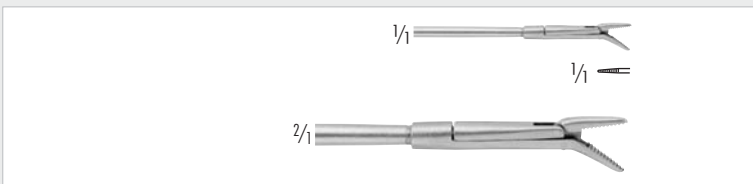
410-335-000 1 x 5 mm  
gerade  
straight



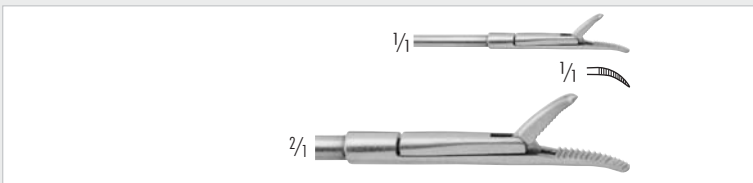
410-321-000 1,5 x 6,0 mm  
gerade  
straight



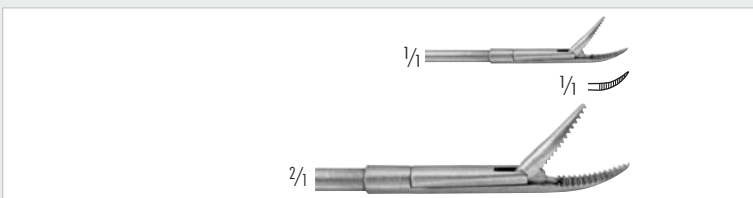
410-330-200 0,8 x 3,5 mm  
65° nach oben gebogen  
curved up 65°



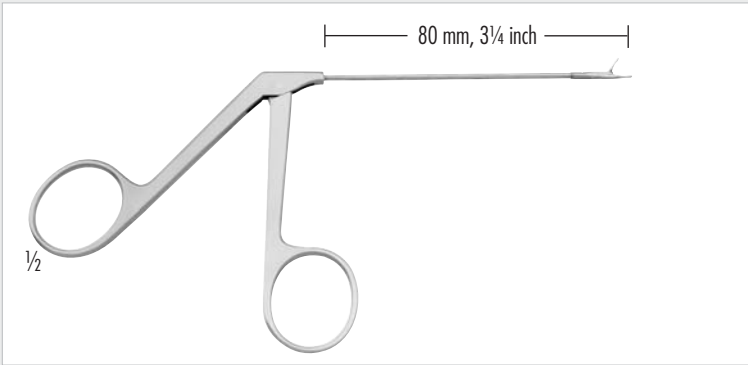
410-332-000 0,8 x 3,5 mm  
45° nach unten gebogen  
curved down 45°



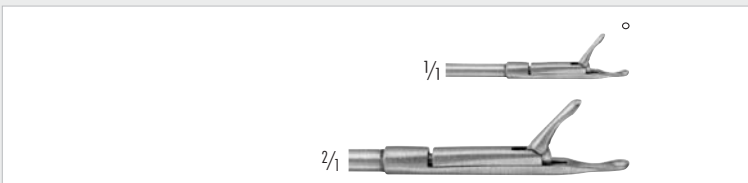
410-339-000 1 x 5 mm  
rechts gebogen  
curved to the right



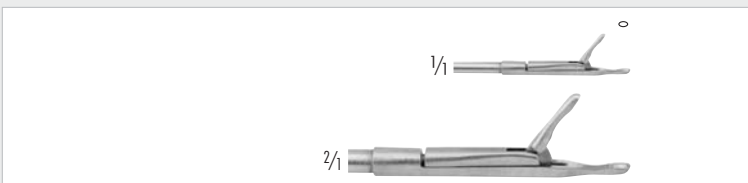
410-338-000 1 x 5 mm  
links gebogen  
curved to the left



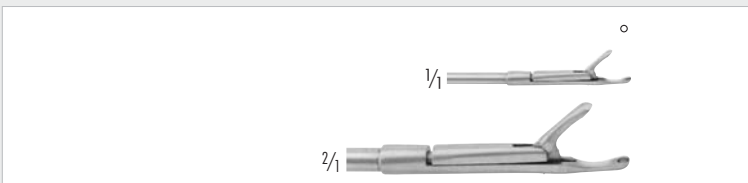
410-341-000 - 410-348-000  
Mikro-Löffelzängchen, **Rohrschaft**  
Micro cupped forceps with **tubular shaft**



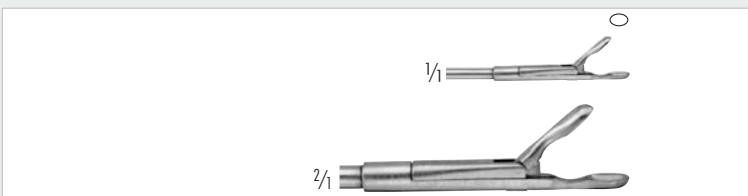
410-341-000 0,9 x 1,0 mm  
gerade, Löffel oval  
straight, oval cup



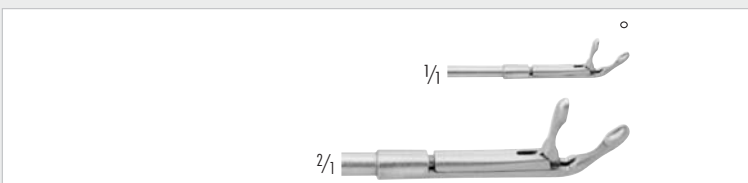
410-345-000 0,8 x 1,3 mm  
**WULLSTEIN**  
gerade, Löffel oval  
straight, oval cup



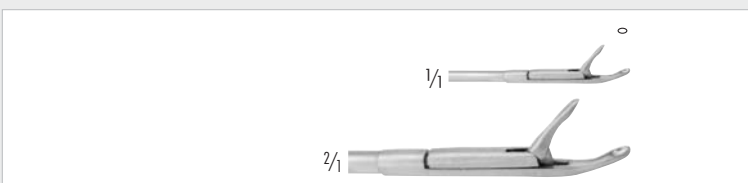
410-346-000 Ø 1,0 mm  
**WULLSTEIN**  
gerade, Löffel rund  
straight, round cup



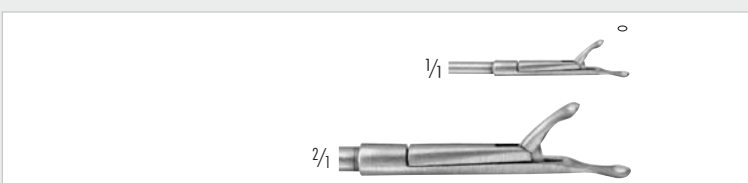
410-348-000 1,7 x 2,5 mm  
**WULLSTEIN**  
gerade, Löffel oval  
straight, oval cup



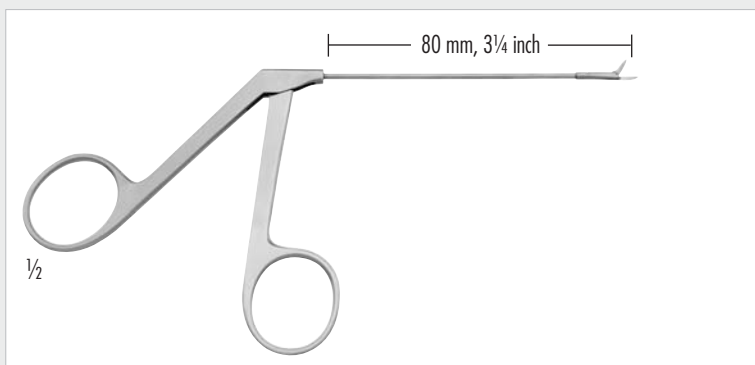
410-342-000 0,9 x 1,0 mm  
gebogen, Löffel oval  
curved up, oval cup



410-343-000 0,8 x 1,3 mm  
**WULLSTEIN**  
links gebogen, Löffel oval  
curved to the left, oval cup

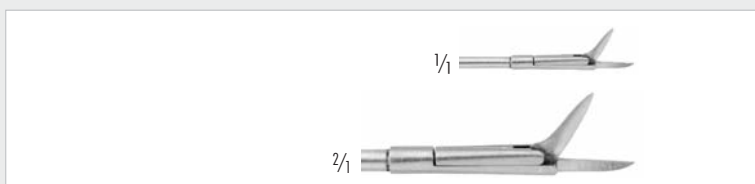


410-344-000 0,8 x 1,3 mm  
**WULLSTEIN**  
rechts gebogen, Löffel oval  
curved to the right, oval cup



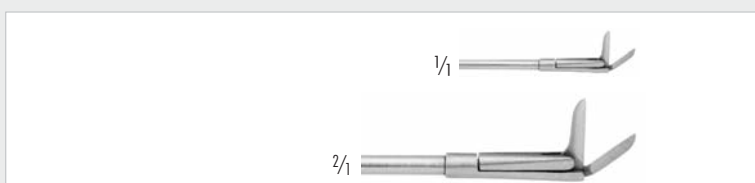
410-350-000 - 410-360-000

Mikro-Scherchen, Mikro-Stanzen,  
Mikro-Drahtbiegezängchen, **Rohrschaft**  
Micro scissors with, micro punches,  
micro wire bending forceps, **tubular shaft**



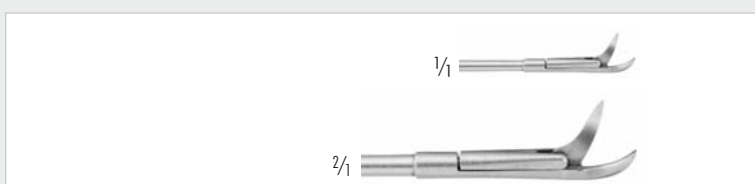
410-350-000 5mm

**BELLUCCI**  
Mikro-Scherchen, gerade, spitz/spitz  
Micro scissors, straight, sharp/sharp



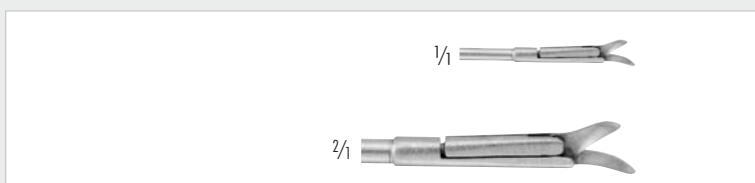
410-351-000 5mm

**BELLUCCI**  
Mikro-Scherchen, nach oben gebogen, stumpf/stumpf  
Micro scissors, curved up, blunt/blunt



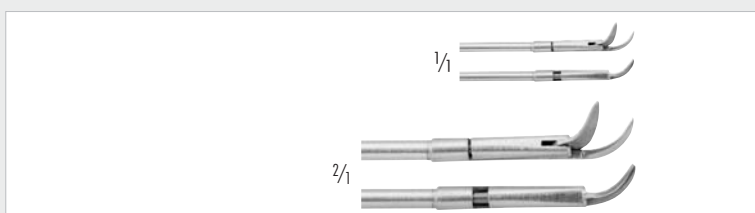
410-352-000 5mm

**BELLUCCI**  
Mikro-Scherchen, nach links gebogen, spitz/spitz  
Micro scissors, curved to the left, sharp/sharp



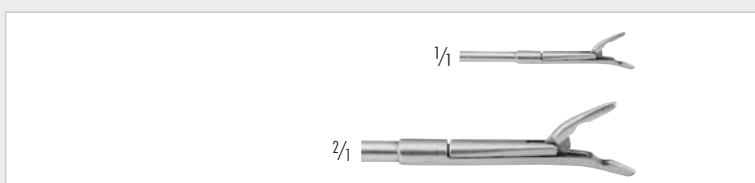
410-353-000 5mm

**BELLUCCI**  
Mikro-Scherchen, nach rechts gebogen, spitz/spitz  
Micro scissors, curved to the right, sharp/sharp



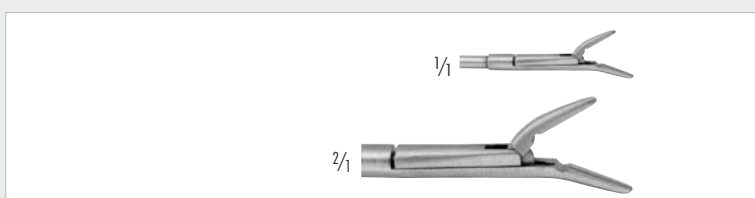
410-355-000

**BELLUCCI**  
Mikro-Scherchen, horizontal schneidend  
Micro scissors, horizontal cutting



410-359-000

**MC GEE**  
Mikro-Drahtbiegezängchen, nach unten gebogen, Maullänge 3,5 mm  
Wire bending forceps, curved down, jaw length 3.5 mm



410-360-000

**MC GEE**  
Mikro-Drahtbiegezängchen, nach unten gebogen, Maullänge 5 mm  
Wire bending forceps, curved down, jaw length 5 mm



410-208-100

**SOFFERMANN**

Nadelhalter mit Sperre, mit Schiebeschäft, kariertes Maul,  
4,5 mm Maullänge, Arbeitslänge: 100 mm  
Needle Holder with ratchet, with sliding shaft, serrated jaws,  
4.5 mm long jaw, Working length: 4 inch



410-370-082 Rechts gebogen/offset right

410-370-081 Links gebogen/offset left

**JUERS**

Ohrzängchen, bajonettförmig, 6 mm Maullänge,  
Arbeitslänge: 80 mm  
Ear Forceps, bayonet shaped, 6 mm long jaws,  
Working length: 3 1/8 inch



410-335-800 4,5 mm langes Maulteil/4.5 mm long jaw

410-330-800 3,0 mm langes Maulteil/3.0 mm long jaw

410-335-700 4,5 mm langes Maulteil/4.5 mm long jaw  
glatt/smooth

Alligator Ohrzängchen, superfein, 0,8 mm breit,  
Arbeitslänge: 80mm

Alligator Ear Forceps, extra fine, 0.8 mm wide,  
Working length: 3 1/8 inch



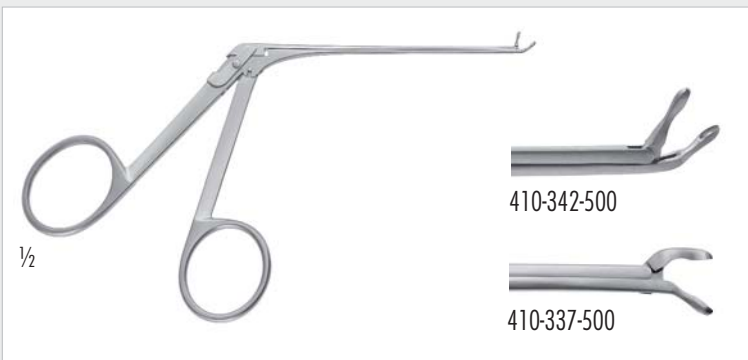
410-341-500 gerade/straight

410-343-500 links/left curved

410-344-500 rechts/right curved

Ohrzängchen ovaler Löffel, 0,9 mm breit  
feines Modell, 4,5 mm Maullänge, Arbeitslänge: 80 mm

Ear Forceps with oval cups, 0.9 mm wide  
fine model, 4.5 mm jaw length, Working length: 3 1/8 inch

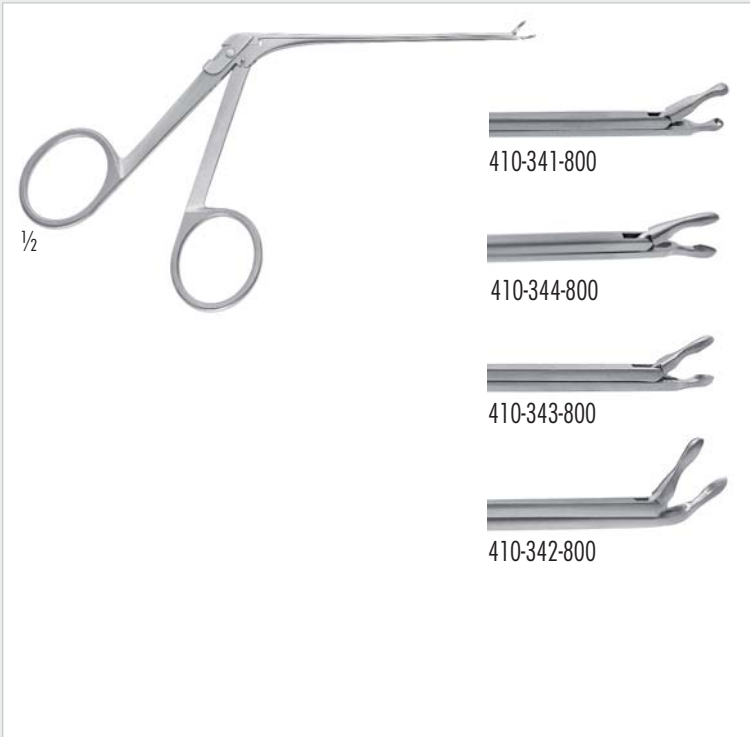


410-342-500 aufwärts/upwards curved

410-347-500 abwärts/down curved

Ohrzängchen ovaler Löffel, 0,9 mm breit,  
feines Modell, 4,5mm Maullänge, Arbeitslänge: 80 mm

Ear Forceps with oval cups, 0.9 mm wide,  
fine model, 4.5mm jaw length, Working length: 3 1/8 inch



- 410-341-800 gerade/straight
- 410-344-800 rechts gebogen/right curved
- 410-343-800 links gebogen/left curved
- 410-342-800 35° aufgebogen/35° upcurved

Löffelzängchen superfein, 0,6 mm Löffel, 4,5 mm langes Maulteil, Arbeitslänge: 80mm  
 Oval Cup Forceps, 0.6 mm wide spoon, 4.5 mm long jaw, Working length: 3 1/8 inch



- 410-365-080 45° links/45° left
- 410-366-080 45° rechts/45° rechts

**HOUGH**

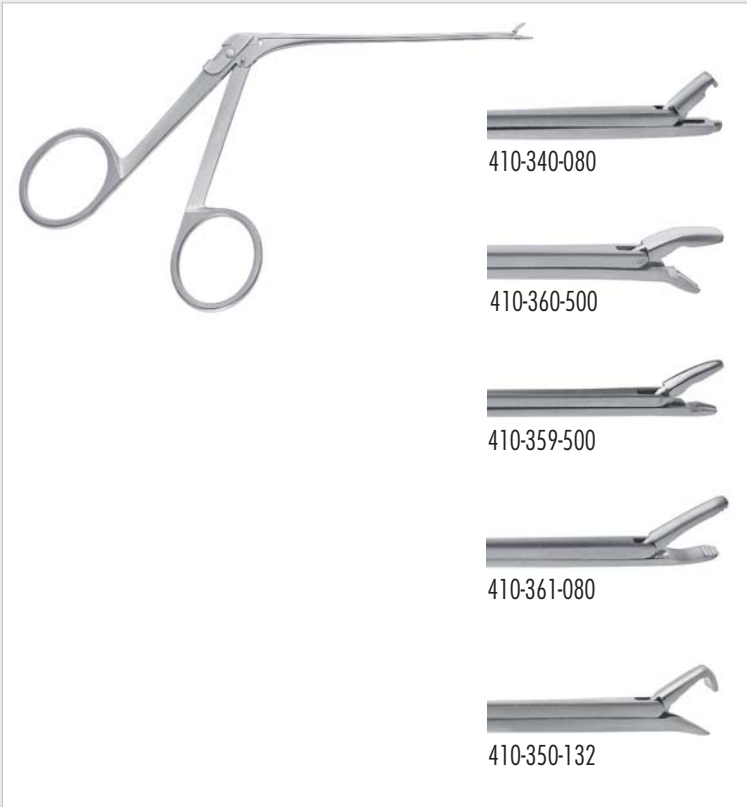
Seitenschneider, gewinkelt, feines Modell, Arbeitslänge: 80 mm  
 Crura Nipper Forceps, angled, fine model, Working length: 3 1/8 inch



- 410-350-700 gerade/straight
- 410-353-700 rechts gebogen/right curved
- 410-352-700 links gebogen/left curved

**HOUSE BELLUCCI**

Ohrscherchen, feines Modell, 4,5 mm Schneide, Arbeitslänge: 80 mm  
 Ear Scissors, fine model, 4.5 mm blade, straight, 3 1/8 inch



410-340-080

**VENT**

Tube Ohrzängchen, feines Modell, Arbeitslänge: 80 mm  
Tube Forceps, fine model, Working length: 3 1/8 inch

410-360-500

**MCGEE**

Drahtschließzängchen, großes Modell, Arbeitslänge: 80 mm  
Malleus Crimper, large model, Working length: 3 1/8 inch

410-359-500

**MCGEE**

Drahtschließzängchen, superfeines Modell, Arbeitslänge: 80 mm  
Malleus Crimper, super-fine model, Working length: 3 1/8 inch

410-361-080

**GREVEN**

Ohrzängchen, feines Modell, Arbeitslänge: 80 mm  
Ear Forceps, fine model, Working length: 3 1/8 inch

410-350-132

**KOS**

Ohrzängchen, feines Modell, Arbeitslänge: 80 mm  
Ear Forceps, fine model, Working length: 3 1/8 inch



410-350-500 gerade/straight

410-352-500 links gebogen/left curved

410-353-500 rechts gebogen/right curved

410-351-500 35° aufgebogen/35° upcurved

**HOUSE BELLUCCI**

Ohrscherchen, mittleres Modell, 5,0 mm Schneide,  
Arbeitslänge: 87 mm

Ear Scissors, middle model, 5.0 mm blade length,  
Working length: 3 1/8 inch



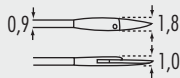
410-223-010

Paukenröhrchen Einführinstrument, 100mm  
Tube insertion instrument, 100mm



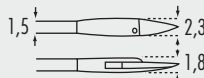
Ohrscheren, **Rohrschaft**  
Aural scissors, **tubular shaft**

Ohrscheren  
Aural scissors



410-352-010

Ohrscheren  
Aural scissors



410-351-010

gerade  
straight

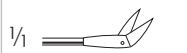


410-352-020



410-351-020

gerade horizontal  
straight horizontal



410-352-030



410-351-030

aufgebogen  
angled up

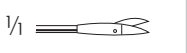


410-352-040

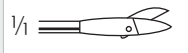


410-351-040

aufgebogen horizontal  
angled up horizontal



410-352-050

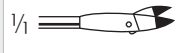


410-351-050

rechts gebogen  
curved right

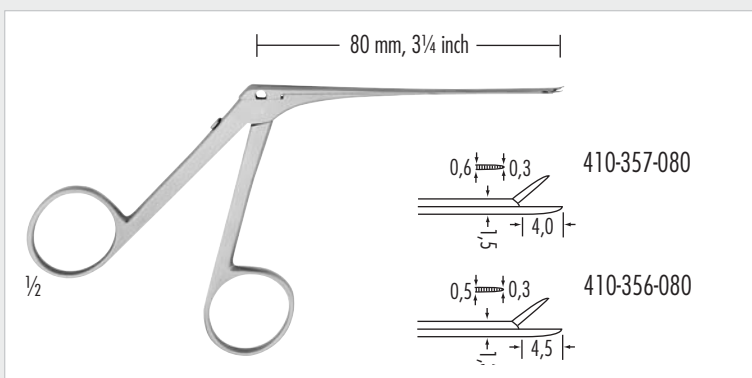


410-352-060



410-351-060

links gebogen  
curved left



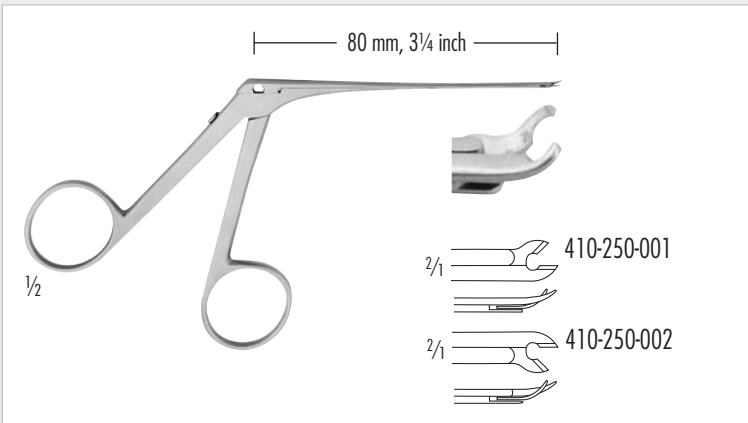
410-357-080 0,6 x 4 mm

410-356-080 0,5 x 4,5 mm, Schafthöhe 1,3 mm  
thickness of shaft 1.3 mm

**FISCH**

Mikro Ohrfasszange, extra zart, gerade, gerieft,  
Schafthöhe 1,5 mm, 80 mm Arbeitslänge,  
Micro aural forceps, very delicate, straight, serrated,  
thickness of shaft 1.5 mm, 3 1/4 inch working length





410-250-001 nach rechts gebogen/curved to right  
 410-250-002 nach links gebogen/curved to left

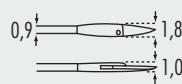
**FISCH**

Crurotomie Scherchen, Arbeitslänge 80 mm  
 Crurotomy scissors, working length 3 1/4 inch



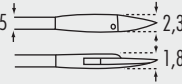
410-302-000  
 Neurektomie Schere, 160 mm  
 Neurectomy scissors, 6 1/4 inch

Neurektomiescheren  
 Neurectomy scissors



410-303-000

Neurektomiescheren  
 Neurectomy scissors



410-302-000

gerade  
 straight

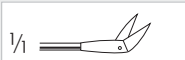


410-303-010



410-302-010

gerade horizontal  
 straight horizontal



410-303-020



410-302-020

aufgebogen  
 angled up

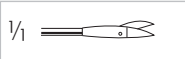


410-303-030



410-302-030

aufgebogen horizontal  
 angled up horizontal



410-303-040



410-302-040

rechts gebogen  
 curved right

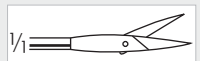


410-303-050



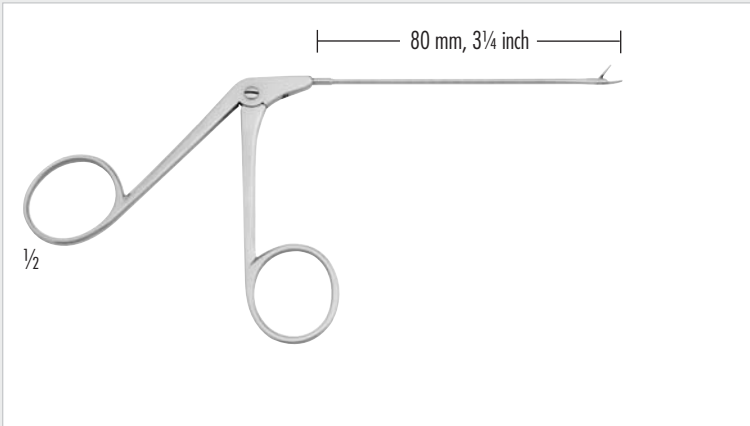
410-302-050

links gebogen  
 curved left



410-302-060

gerade 8,0 mm  
 straight 8.0 mm



Ohrzängchen, **Rohrschaft**, Rohr 0,9 mm, Maul 1,8 mm  
Aural forceps, **tubular shaft**, tube 0.9 mm, jaws 1.8 mm

1 x 2 Zahn  
1 x 2 teeth

gerieftes Maul  
serrated jaws

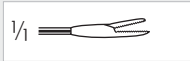
Alligator Maul  
alligator jaws

**Ohrzangen**  
**Aural forceps**

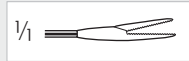
gerade  
straight



410-343-100



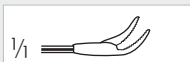
410-341-100



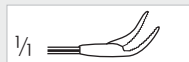
410-340-100



410-343-200



410-341-200

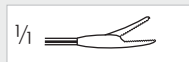


410-340-200

aufgebogen  
angled up



410-341-300

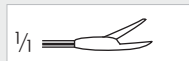


410-340-300

rechts gebogen  
curved right



410-341-400



410-340-400

links gebogen  
curved left

o 1 mm Ø

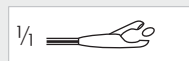
oval  
oval

**Löffelzangen**  
**Cup-shaped forceps**

gerade  
straight

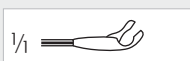


410-340-110



410-340-210

aufgebogen  
angled up

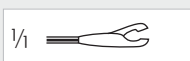


410-340-120

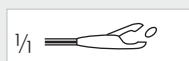


410-340-220

rechts gebogen  
curved right

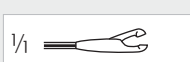


410-340-130

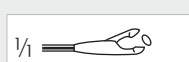


410-340-230

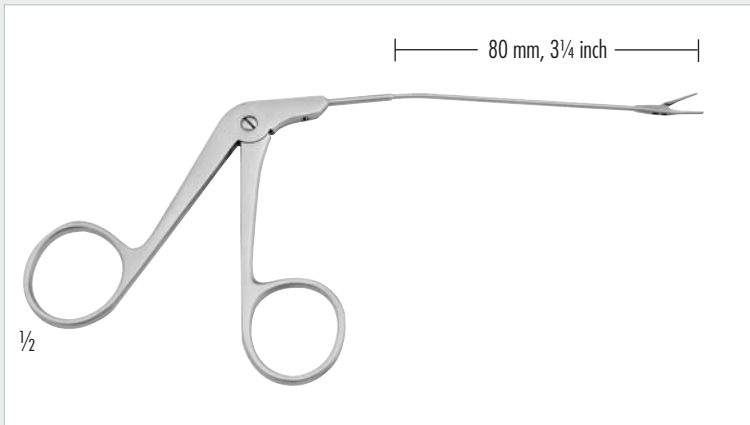
links gebogen  
curved left



410-340-140



410-340-240



Ohrzängchen, **Rohrschaft**, Schaft 1,5 mm, Maul 2,3 mm  
 Aural forceps, **tubular shaft**, shaft 1.5 mm, jaws 2.3 mm

1 x 2 Zahn  
 1 x 2 teeth



410-342-100

gerieftes Maul  
 serrated jaws

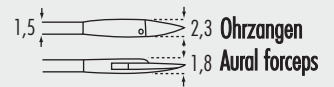


410-342-110

Alligator Maul  
 alligator jaws



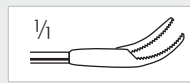
410-342-210



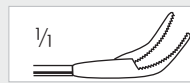
gerade  
 straight



410-342-200



410-342-120



410-342-220

aufgebogen  
 angled up

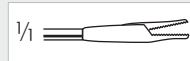


410-342-130



410-342-230

rechts gebogen  
 curved right



410-342-140



410-342-240

links gebogen  
 curved left

◦ 1 mm Ø

◦ 1,5 mm Ø

◦ 2 mm Ø

◦ 2,5 mm Ø

oval = 1,5 x 0,8 mm  
 ovale = 1.5 x 0.8 mm

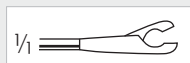
Löffelzangen  
 Cup-shaped forceps



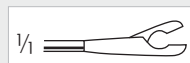
410-343-110



410-343-210



410-343-310



410-343-410



410-343-510

gerade  
 straight



410-343-120



410-343-220



410-343-320



410-343-420

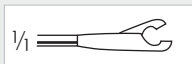


410-343-520

aufgebogen  
 angled up



410-343-130



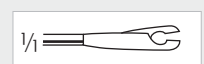
410-343-230



410-343-330



410-343-430

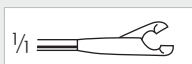


410-343-530

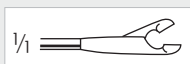
rechts gebogen  
 curved right



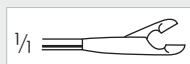
410-343-140



410-343-240



410-343-340



410-343-440



410-343-540

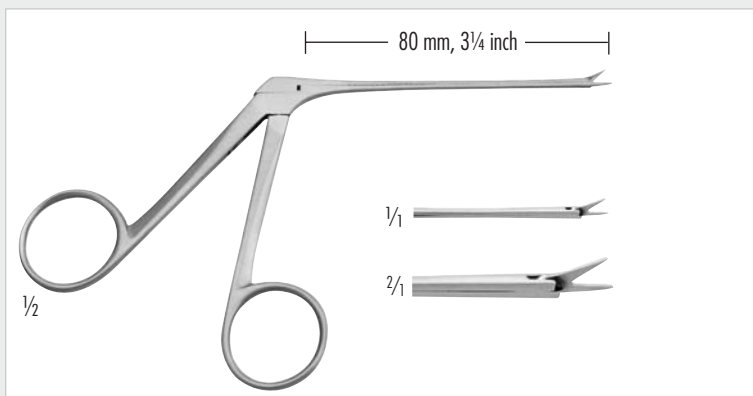
links gebogen  
 curved left

## Schieberschaft Instrumente/Sliding shaft Instruments

410-354-000 4,0 mm x 1,5 mm

### CAWTHORNE

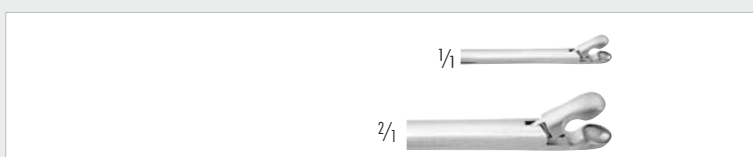
Mikro-Ohrscherchen, gerade, spitz/spitz  
Micro scissors, straight, sharp/sharp



410-423-000 Ø 4 mm

### ORMEROD

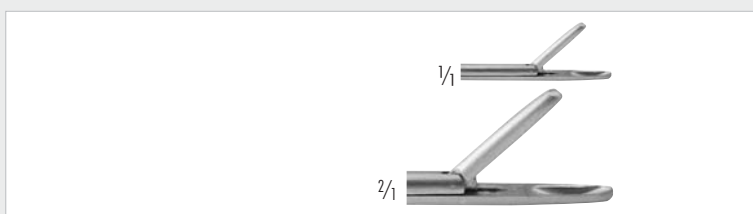
Mikro-Löffelzängchen, gerade, Löffel rund  
Micro cupped forceps, straight, round cup



410-424-000 5 mm x 1 mm

### ORMEROD

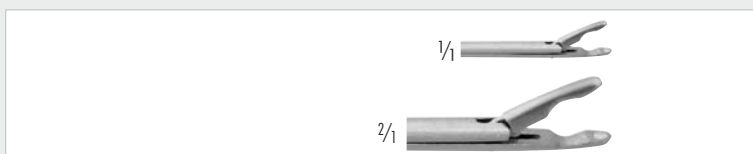
Mikro-Löffelzängchen, gerade, Löffel oval  
Micro cupped forceps, straight, oval cup



410-349-000 4,0 mm x 0,8 mm

### SHEA

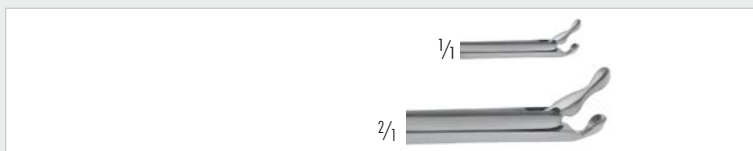
Mikro-Löffelzängchen, gerade, Löffel oval  
Micro cupped forceps, straight, oval cup



410-349-130 0,6 mm x 1,0 mm

### HOUSE

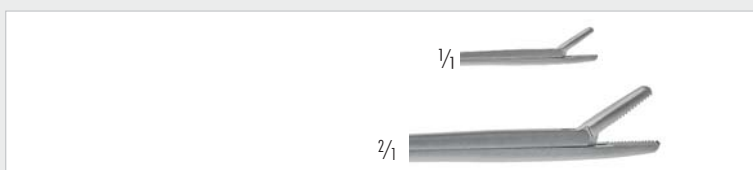
Ohrzängchen, 15° abgewinkelt nach links  
Ear Forceps, 15° angled left



410-329-000 1 mm x 5 mm

### HOUGH

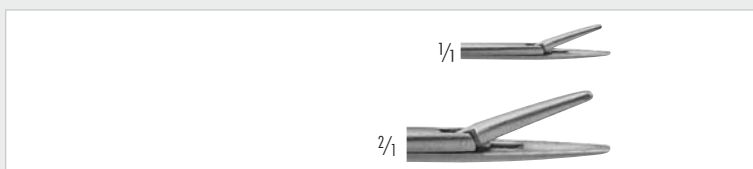
Mikro-Ohrzängchen, gerade, gerieftes Maul  
Micro Alligator forceps, straight, serrated jaws



410-334-000 1,25 mm x 7,0 mm

### CAWTHORNE

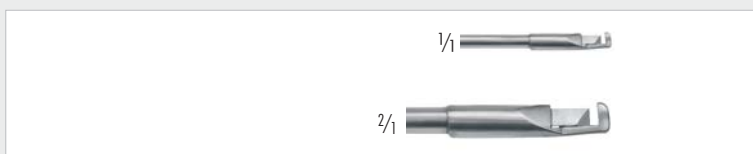
Mikro-Ohrzängchen, gerade, glattes Maul  
Micro Alligator forceps, straight, smooth jaws



410-300-000

### HOUSE-DIETER

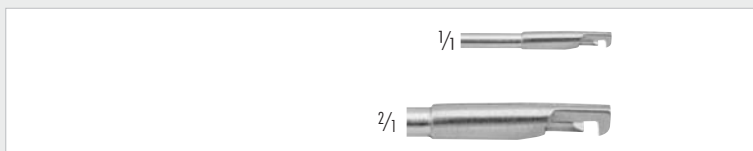
Mikro-Stanze, nach oben schneidend  
Malleus nipper, upwards cutting

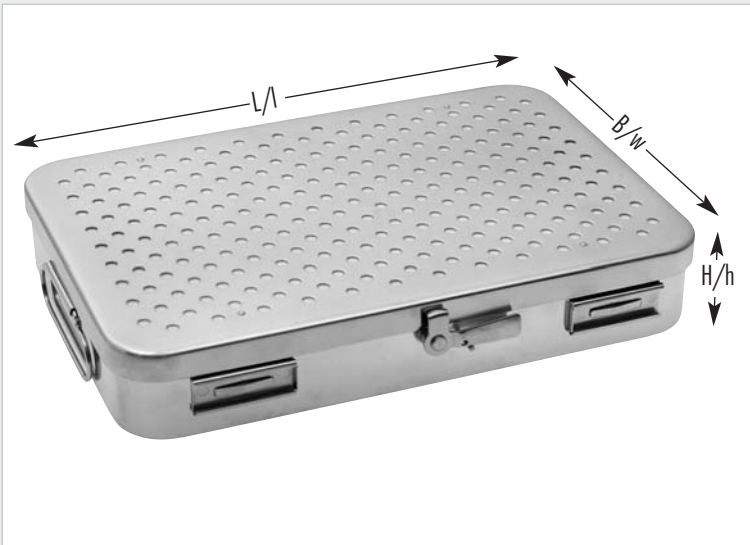


410-301-000

### HOUSE-DIETER

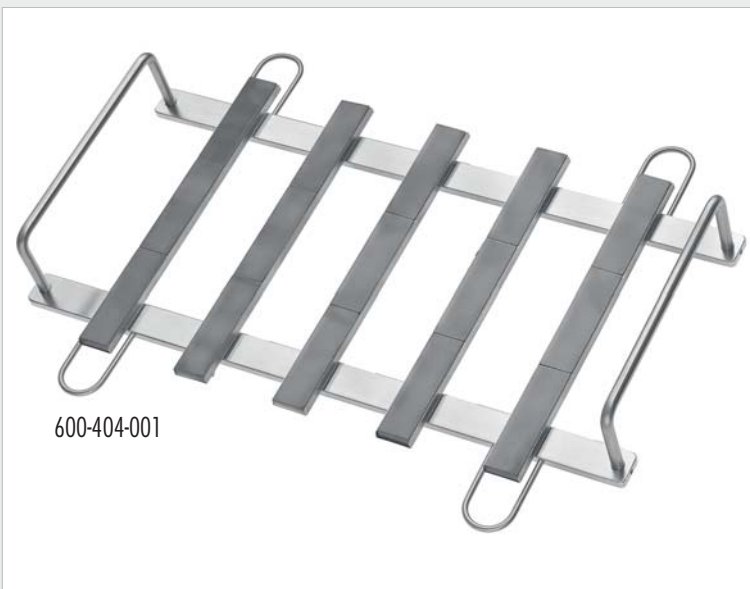
Mikro-Stanze, nach unten schneidend  
Malleus nipper, downwards cutting





600-405-420	420mm x 175mm x 75mm
600-405-300	300mm x 200mm x 75mm
600-400-300	300mm x 200mm x 50mm
600-400-200	200mm x 100mm x 40mm
600-400-270	270mm x 235mm x 50mm
600-400-230	230mm x 130mm x 50mm

Metalletui, gelocht, mit abnehmbarem Deckel, mit Textilfilter, Länge x Breite x Höhe  
 Metall case, detachable lid, with textile filter, length x width x height



600-404-001 280mm x 190mm  
 Magnetrahmen, mit 2 Griffen und 5 Magnetleisten, in Metalletui 600-400-300 + 600-405-300 passend  
 Magnet frame, 2 handles and 5 magnetic bars

600-404-003 220mm x 150mm  
 dito, mit 4 Magnetleisten, ohne Griffen und seitlichen Bügeln  
 same, 4 magnetic bars, without handles and lateral u-bolts

600-406-003 480mm x 240mm  
 dito, ohne Griffen, mit 3 Magnetleisten  
 same, without handles and 3 magnetic bars



	Innenmaße/inner dimension
600-402-140	200 x 140 x 45mm
600-402-195	280 x 195 x 45mm
600-402-255	265 x 255 x 45mm
600-402-260	380 x 260 x 45mm

Mikro Container mit Deckel- und Bodenlochung, mit Textil-Langzeitfilter für Dampfsterilisation, TÜV-geprüft, Einfach Lagerung  
 Micro container with lid and bottom perforation, with textile «Longterm» filter, steam sterilization, TÜV-approved, single bearing system

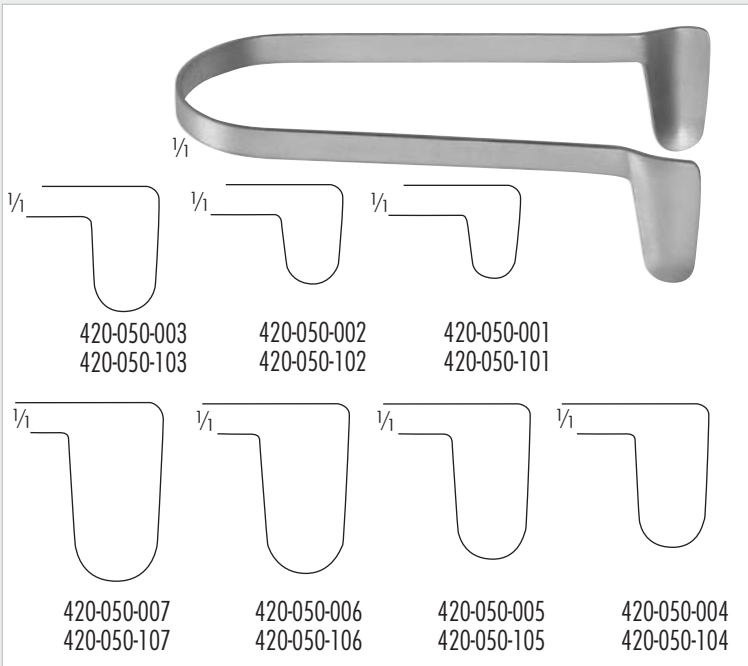




RHINOLOGY

# RHINOLOGY

Instruments and  
Equipment for  
Rhinology



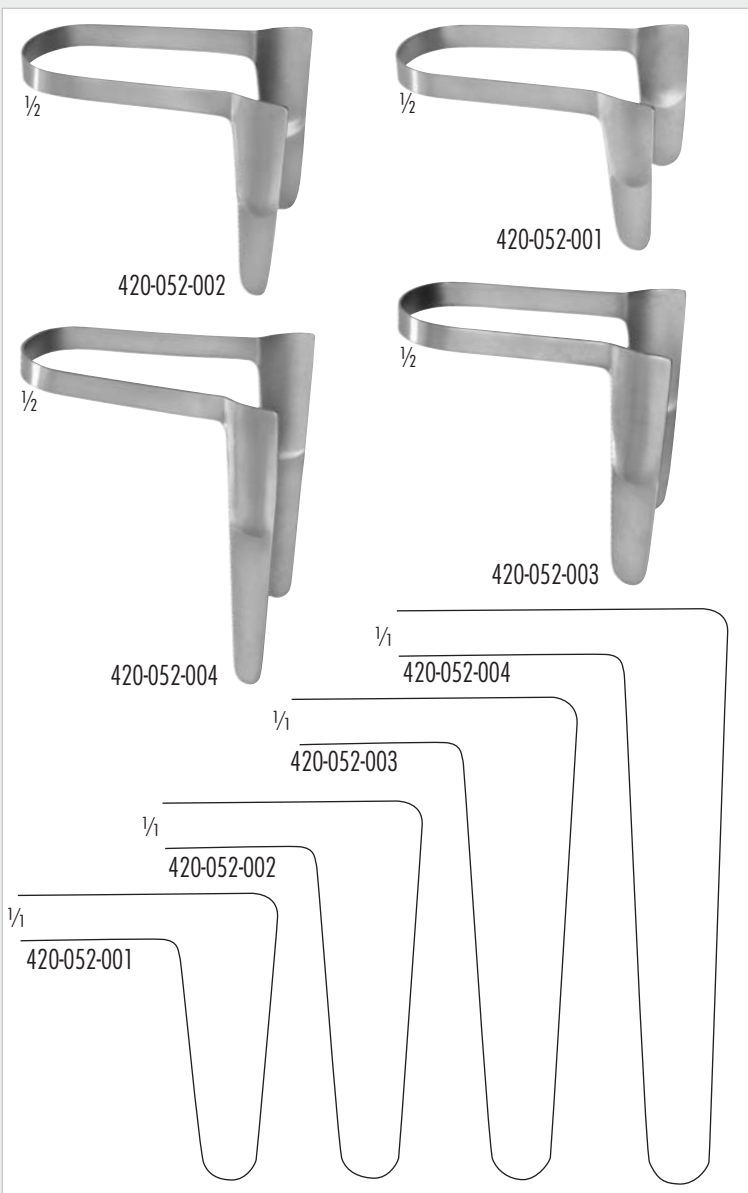
- 420-050-001 8,5 x 6,0 mm
- 420-050-002 9,0 x 7,0 mm
- 420-050-003 12,5 x 8,0 mm
- 420-050-004 15,0 x 8,5 mm
- 420-050-005 16,5 x 9,0 mm
- 420-050-006 18,0 x 10,0 mm
- 420-050-007 19,5 x 10,5 mm

**THUDICHUM (MARK HOVELL)**

Nasenspekulum, 70 mm  
Nasal specula

- 420-050-101 8,5 x 6,0 mm
- 420-050-102 9,0 x 7,0 mm
- 420-050-103 12,5 x 8,0 mm
- 420-050-104 15,0 x 8,5 mm
- 420-050-105 16,5 x 9,0 mm
- 420-050-106 18,0 x 10,0 mm
- 420-050-107 19,5 x 10,5 mm

Nasenspekulum, **isoliert**, 70 mm  
Nasal specula, **insulated**

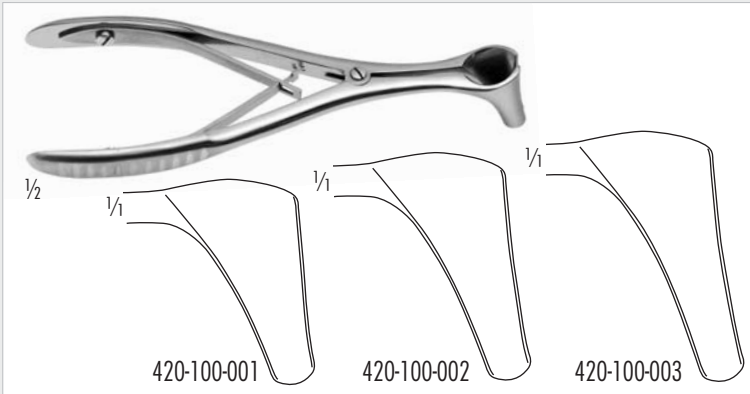


- 420-052-001 38 mm
- 420-052-002 50 mm
- 420-052-003 65 mm
- 420-052-004 75 mm

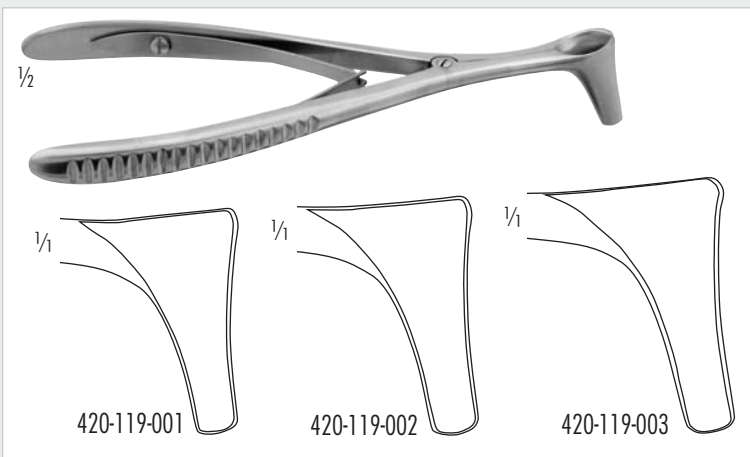
**ST CLAIR THOMPSON**

Nasenspekulum, 73 mm  
Nasal specula, 2 1/2 inch

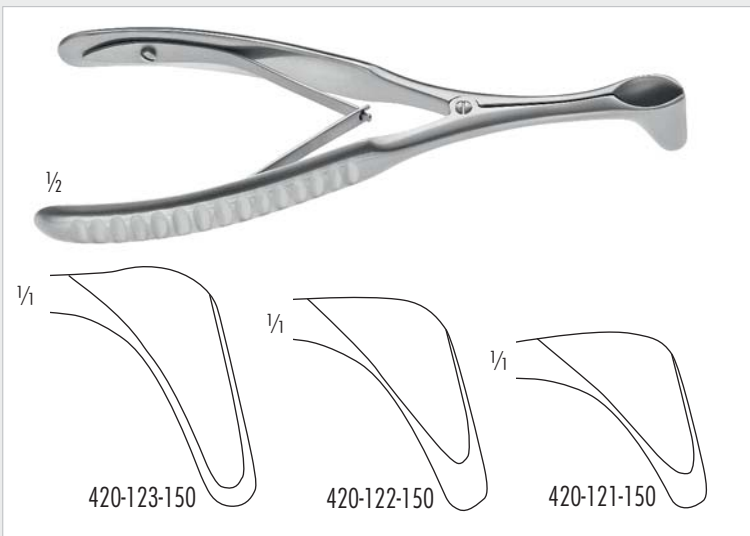




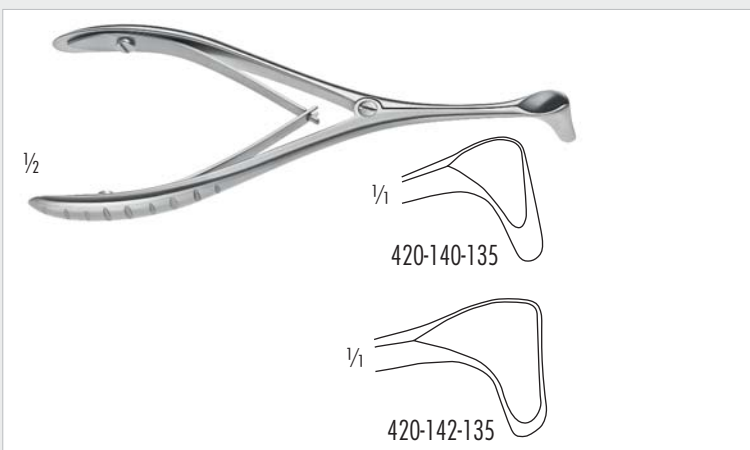
420-100-001 Fig.1 27 x 7 mm  
 420-100-002 Fig.2 30 x 7 mm  
 420-100-003 Fig.3 33 x 7 mm  
 Wiener Modell Nasenspekulum, 130 mm  
 Vienna pattern nasal specula, 5 inch



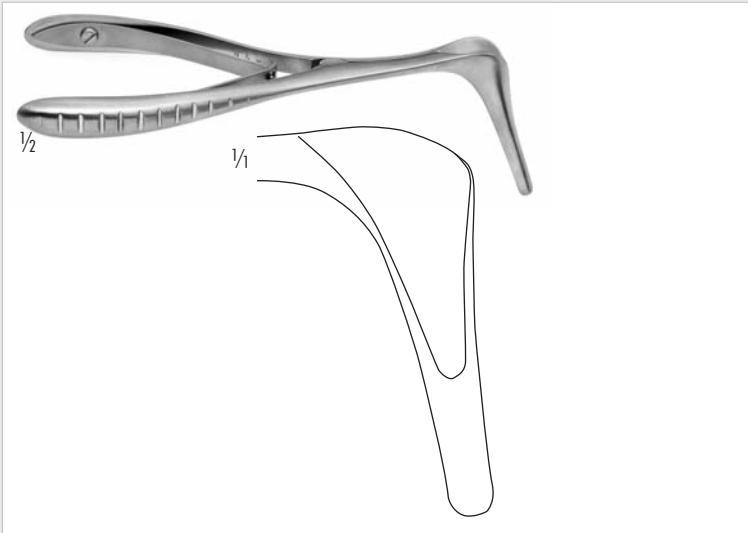
420-119-001 29 x 7 mm  
 420-119-002 33 x 7 mm  
 420-119-003 35 x 7 mm  
**HARTMANN**  
 Nasenspekulum, 160 mm  
 Nasal specula, 6 1/4 inch



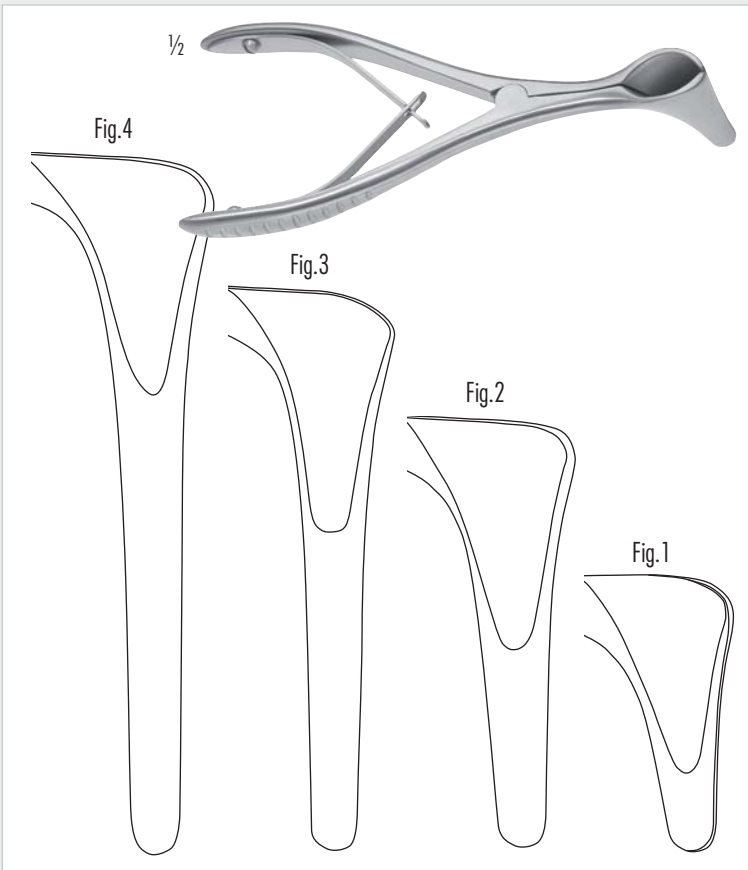
420-121-150 21 mm  
 420-122-150 31 mm  
 420-123-150 35 mm  
**HARTMANN-HALLE**  
 Nasenspekulum, 155 mm  
 Nasal specula, 6 inch



420-140-135 klein/small  
 420-142-135 groß/large  
**TIECK-HALLE**  
 Nasenspekulum, Kindermodelle, 135 mm  
 Nasal specula, pediatric pattern, 5 1/4 inch



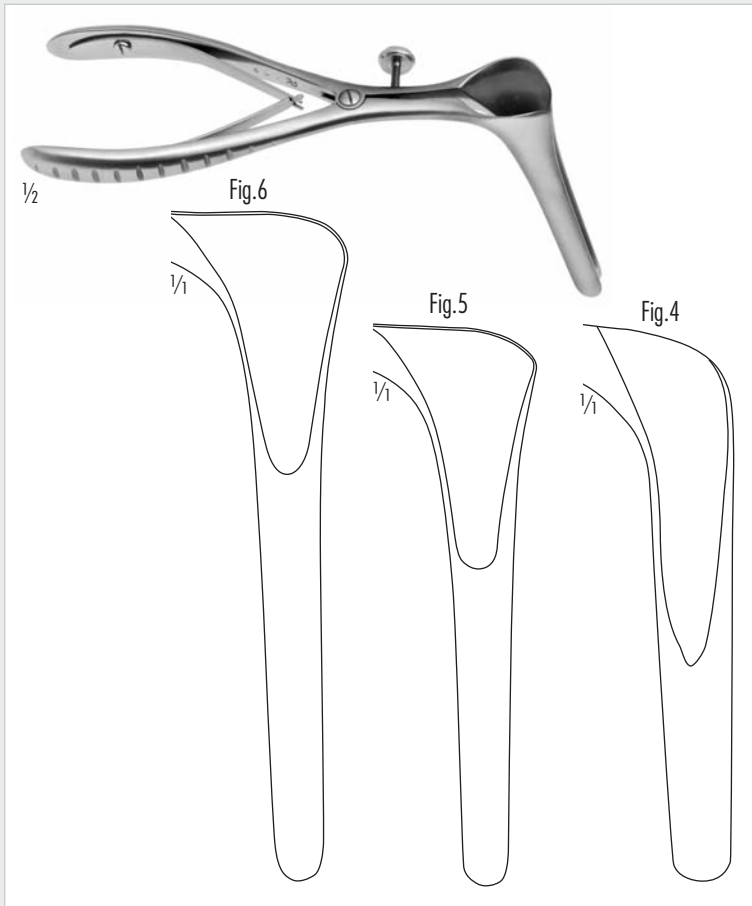
420-134-050 50 x 6 mm  
**COTTLE**  
 Septumspekulum, leicht spitz zulaufend  
 Septum specula, slightly tapered blades



420-145-036 Fig.1 36 x 7 mm  
 420-145-056 Fig.2 56 x 7 mm  
 420-145-075 Fig.3 75 x 7 mm  
 420-145-090 Fig.4 90 x 7 mm  
**KILLIAN**  
 Nasenspekulum, 145 mm  
 Septum specula, 5 3/4 inch



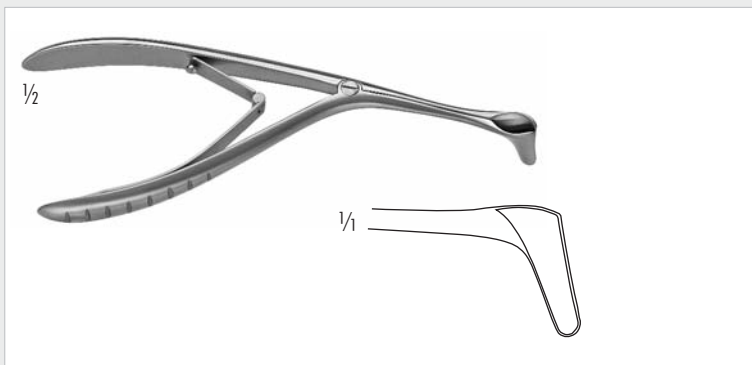
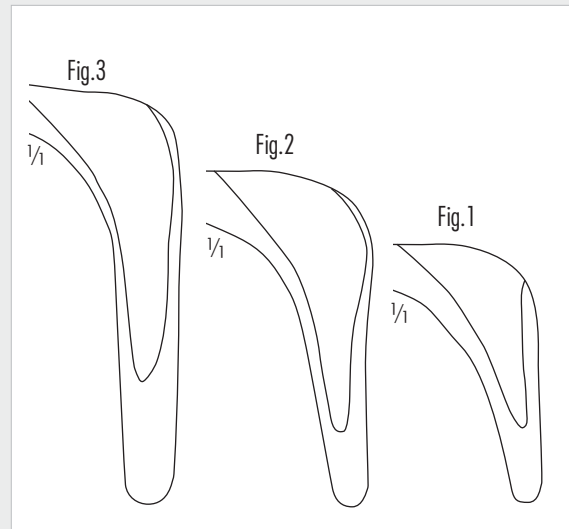
420-744-055 55 mm  
 420-744-075 75 mm  
 420-744-090 90 mm  
**KILLIAN**  
 Nasenspekulum, mit abnehmbarem Kaltlichtträger, 130 mm  
 Nasal specula, with detachable cold light carrier, 5 inch



- 420-136-020 Fig.1 30 mm
- 420-136-035 Fig.2 38 mm
- 420-136-055 Fig.3 55 mm
- 420-136-070 Fig.4 70 mm
- 420-136-080 Fig.5 80 mm
- 420-136-090 Fig.6 90 mm

**COTTLE**

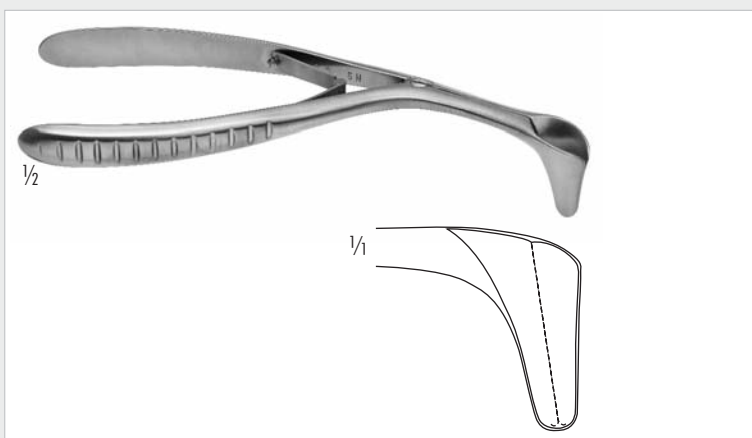
Nasenspekula mit Stellschraube, 135 mm  
 Nasal specula with setscrew, 5 1/4 inch



420-147-140

**BECKMANN**

Nasenspekula, Kindermodell, seitwärts gebogen, 150 mm  
 Nasal specula, pediatric pattern, curved sidwards, 6 inch



420-148-150

**BECKMANN**

Nasenspekula, seitwärts gebogen, 150 mm  
 Nasal specula, curved sidwards, 6 inch



- 420-140-035 35mm Blattlänge/blade length
- 420-140-050 50mm Blattlänge/blade length
- 420-140-075 75mm Blattlänge/blade length
- 420-140-090 90mm Blattlänge/blade length
- 420-140-100 100mm Blattlänge/blade length

**COTTLE MASING**

Nasenspekula für flexiblen Spannarm, mit Stellschraube  
Nasal Specula for flexible arm



- 420-150-101 links/left 55mm, rechts/right 35mm
- 420-150-102 links/left 35mm, rechts/right 55mm
- 420-150-105 links/left 75mm, rechts/right 35mm
- 420-150-106 links/left 35mm, rechts/right 75mm
- 420-150-107 links/left 75mm, rechts/right 52mm
- 420-150-108 links/left 52mm, rechts/right 75mm

Sinus Spekula zur Verwendung mit flexiblen Spannarm, mit Stellschraube

Sinus Specula for use with flexible arm, with set screw



- 420-150-301 links/left 25mm, rechts/right 18mm
- 420-150-302 links/left 18mm, rechts/right 25mm

Kinder Sinus Spekula zur Verwendung mit flexiblen Spannarm, mit Zähnen, mit Stellschraube

Children Sinus Specula for use with flexible arm, with teeth, with set screw



- 420-150-001 links/left 55mm, rechts/right 35mm
- 420-150-002 links/left 35mm, rechts/right 55mm
- 420-150-003 links/left 65mm, rechts/right 45mm
- 420-150-004 links/left 45mm, rechts/right 65mm
- 420-150-005 links/left 75mm, rechts/right 35mm
- 420-150-006 links/left 35mm, rechts/right 75mm
- 420-150-007 links/left 75mm, rechts/right 52mm
- 420-150-008 links/left 52mm, rechts/right 75mm

Sinus Spekula zur Verwendung mit flexiblen Spannarm, mit Zähnen, mit Stellschraube

Sinus Specula for use with flexible arm, with teeth, with set screw



- 420-150-201 links/left 55mm, rechts/right 45mm
- 420-150-202 links/left 45mm, rechts/right 55mm
- 420-150-203 links/left 65mm, rechts/right 45mm
- 420-150-204 links/left 45mm, rechts/right 65mm
- 420-150-205 links/left 75mm, rechts/right 45mm
- 420-150-206 links/left 45mm, rechts/right 75mm

**KILLIAN STRYKEN**

Sinus Spekula zur Verwendung mit flexiblen Spannarm, mit Zähnen, mit Stellschraube

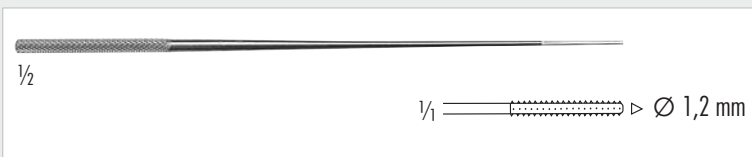
Sinus Specula for use with flexible arm, with teeth, with set screw



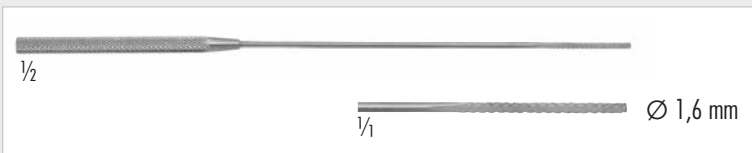
420-150-160  
Nasensonde, kniegebogen, 160 mm  
Nasal probe, knee angled, 6 1/4 inch



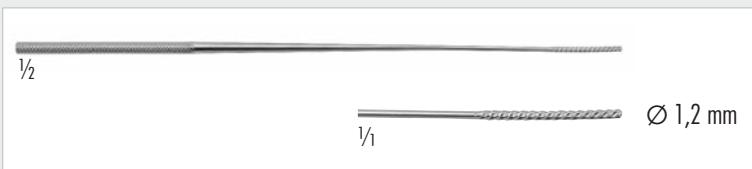
420-150-165  
**KILLIAN**  
Nasensonde, leicht gebogen, 165 mm  
Nasal probe, slightly curved, 6 1/2 inch



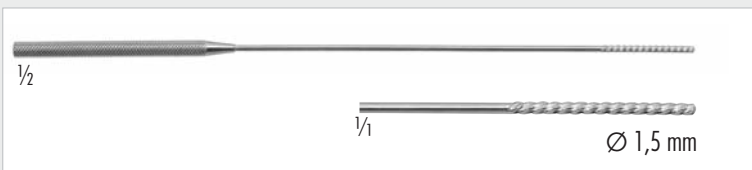
160-426-165 Ø 1,2 mm  
**LATHBURY-FARRELL**  
Nasensonde, dreikant gerieft, 160 mm  
Nasal applicator, triangular serrated end, 6 1/4 inch



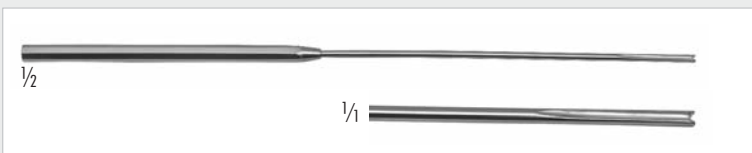
160-426-160 Ø 1,6 mm  
Nasensonde, dreikant gerieft, 160 mm  
Nasal applicator, triangular serrated end, 6 1/4 inch



160-420-165 Ø 1,2 mm  
**FARREL**  
Nasensonde, spiralförmig gerieft, 160 mm  
Nasal applicator, rough spiral end, 6 1/4 inch



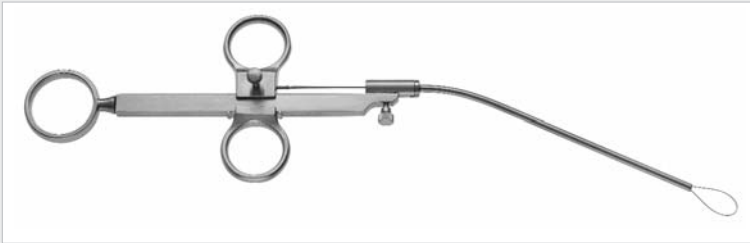
160-412-180 Ø 1,5 mm  
160-411-180 Ø 1,8 mm  
Nasensonde, spiralförmig gerieft, 180 mm  
Nasal applicator, rough spiral end, 7 inch



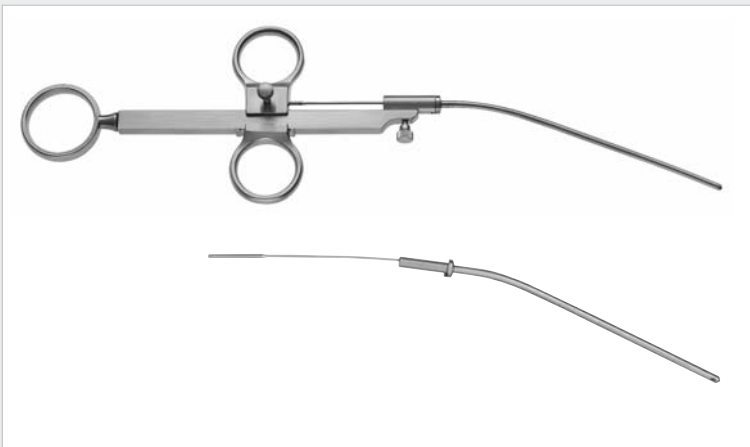
420-150-180  
**SIEBENMANN**  
Nasensonde, 180 mm  
Nasal plugger, 7 inch



420-413-230  
**LANGE**  
 Choanenhook, 230 mm  
 Choana hook, 9 1/2 inch



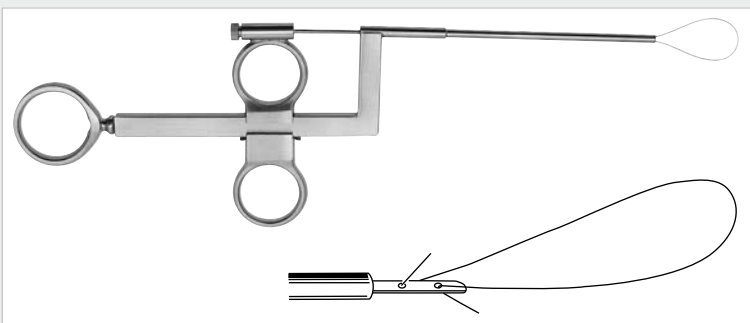
420-201-260  
**KRAUSE**  
 Nasenpolypenschnürer, kniegebogen, 250 mm  
 Nasal polypus snare, knee bent, 10 inch



420-202-260  
**KRAUSE-VOSS**  
 Nasenpolypenschnürer, kniegebogen, kompl. mit Rohraufsatz vertikal, Rohraufsatz horizontal, 250 mm  
 Nasal polypus snare, knee bent, complete with tube vertical, tube horizontal, 10 inch

420-202-261  
 Rohraufsatz mit Innenführung, vertikal  
 Tube with inner guide wire, vertical

420-202-262  
 Rohraufsatz mit Innenführung, horizontal  
 Tube with inner guide wire, horizontal



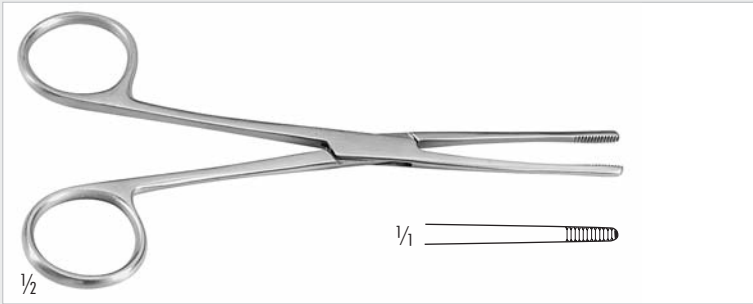
410-270-250  
**WILDE**  
 Nasenpolypenschnürer, bajonettförmig gebogen, 250 mm  
 Nasal polypus snare, bayonet shaped, 10 inch



420-210-003 Ø 0,3 mm  
 Schlingen für Nasenpolypenschnürer,  
 Bestelleinheit: PH=Packung á 100 Stück  
 Wire loops for nasal snares,  
 sales unit: PH=Package of 100 pieces



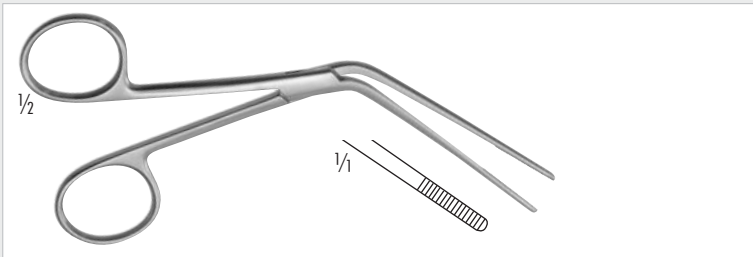
420-210-013 Ø 0,3 mm  
 Schnürerdraht in Rollen á 10 m  
 Snare wire in coils of 10 metres



150-080-160 155 mm/6 inch  
150-080-180 180 mm/7 inch

**LISTER**

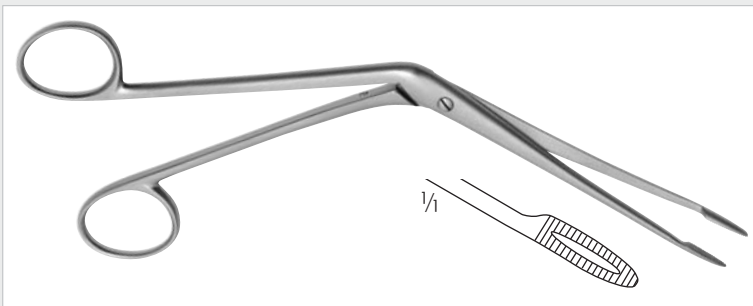
Tamponzange  
Sinus forceps



410-232-140

**TILLEY**

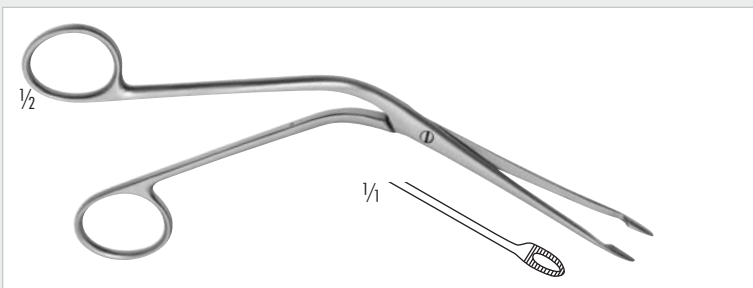
Nasentamponzange, 130 mm  
Nasal dressing forceps, 5 1/8 inch



420-211-200

**HARTMANN**

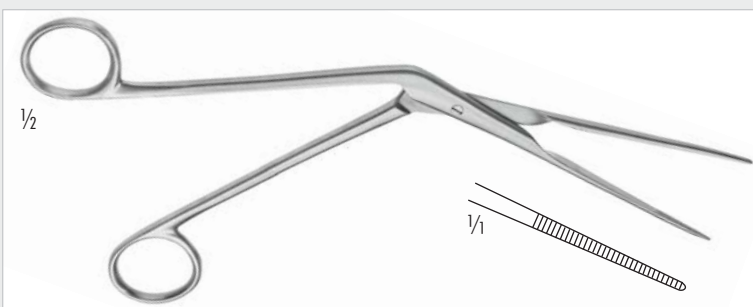
Nasentamponzange, 215 mm  
Nasal dressing forceps, 8 1/4 inch



420-211-160

**HARTMANN**

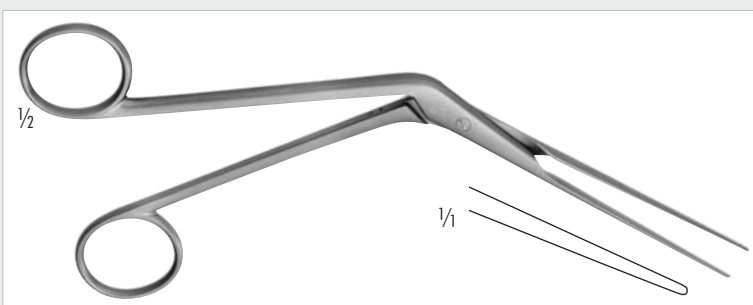
Nasentamponzange, 175 mm  
Nasal dressing forceps, 7 inch



420-411-200

**WEST**

Nasentamponzange, 200 mm  
Nasal dressing forceps, 8 inch



420-210-200

**LUBET-BARBON**

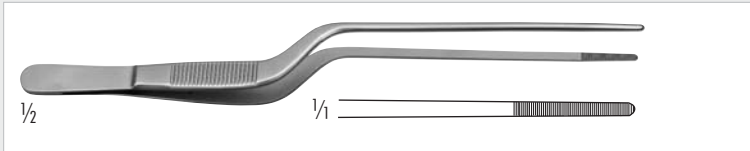
Nasentamponzange, 200 mm  
Nasal dressing forceps, 8 inch



410-389-190

**GRUENWALD**

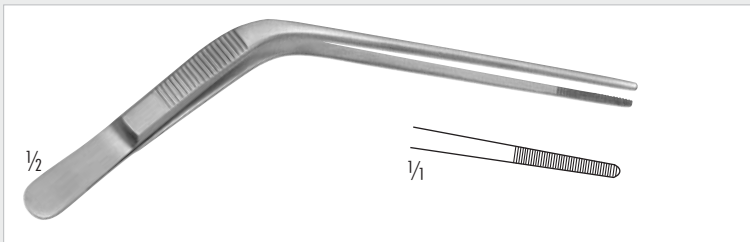
Nasenpinzetten, anatomisch, bajonettförmig, 200 mm  
Nasal dressing forceps, bayonet shaped, 8 inch



410-395-160

**JANSEN**

Nasenpinzetten, anatomisch, bajonettförmig, 160 mm  
Nasal dressing forceps, bayonet shaped, 6 1/4 inch



420-375-165

**TROELTSCH (WILDE)**

Nasenpinzetten, anatomisch, kniegebogen, 170 mm  
Nasal dressing forceps, knee bent, 6 3/4 inch



410-228-000

Universal Pulverbläser, mit beweglicher Nasenolive,  
Schraubflasche 30 ccm und Halbgebläse  
Universal Powder Blower, with adjustable nozzle,  
threaded flask 30 ccm and Rubber Bulb

410-228-050

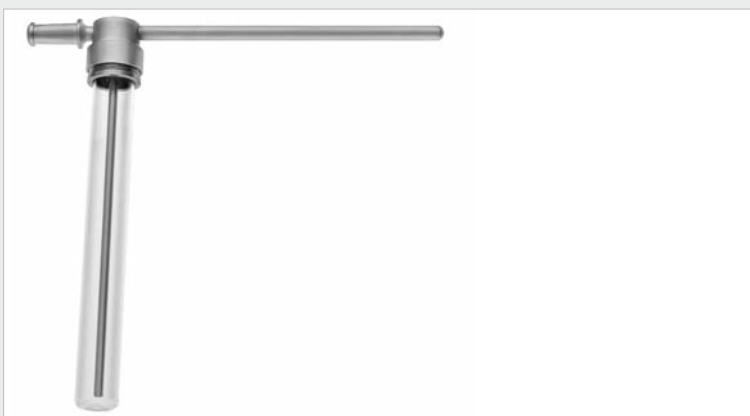
dito, ohne Gebläse  
same, without Rubber Bulb

410-228-100

Halbgebläse allein  
Rubber Bulb only

410-228-010

aufsteckbare Nasenolive, allein  
Nose guard, only



410-229-000

**GRUENWALD**

Zerstäuber mit gerader Kanüle, 130 mm  
Atomizer with straight cannula, 5 1/8 inch

410-229-050

**GRUENWALD**

Ersatzflacon mit Gewinding  
Threaded Spare Bottle only

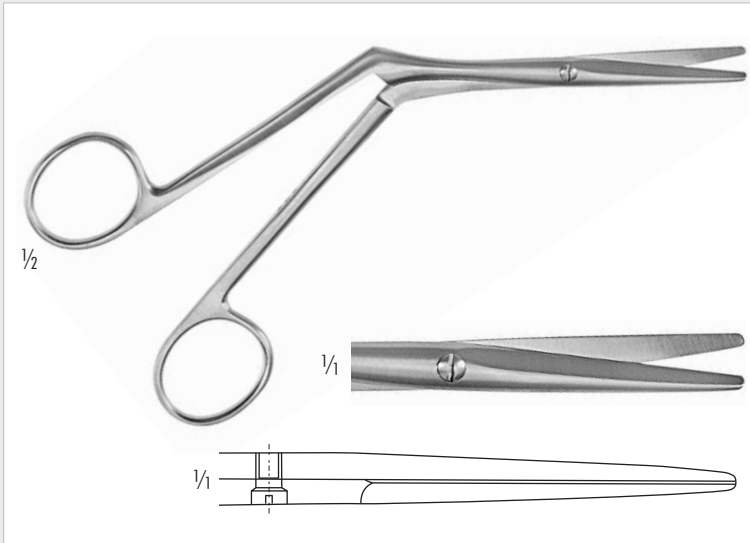


420-001-000

**GLATZEL**

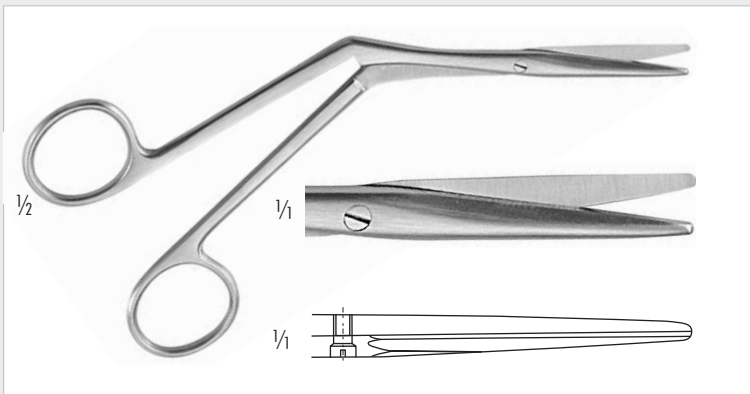
Nasenspiegel, 200 x 130 mm  
Nasal mirror, 8 inch x 5 inch



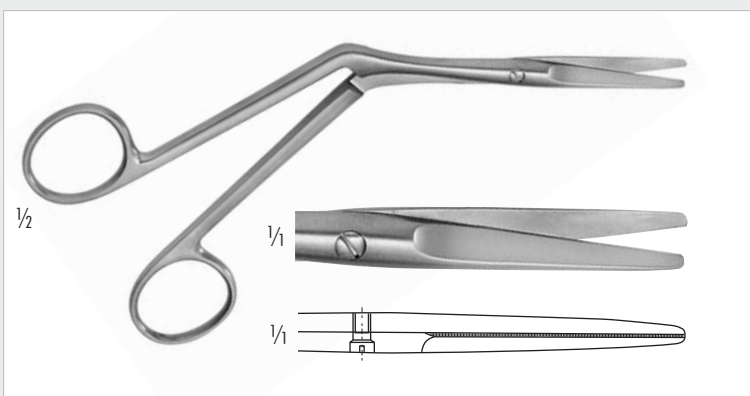


- 120-284-180 gerade/straight
- 120-287-180 rechts gebogen/right curved
- 120-285-180 links gebogen/left curved
- 120-585-180 TC, unteres Blatt gezahnt, gerade  
TC, lower blade serrated, straight

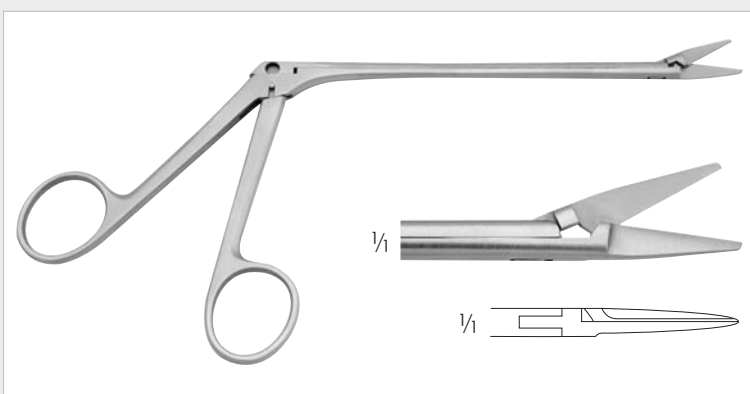
**HEYMANN**  
Nasenschere, 190 mm,  
Nasal scissors, 7 1/2 inch



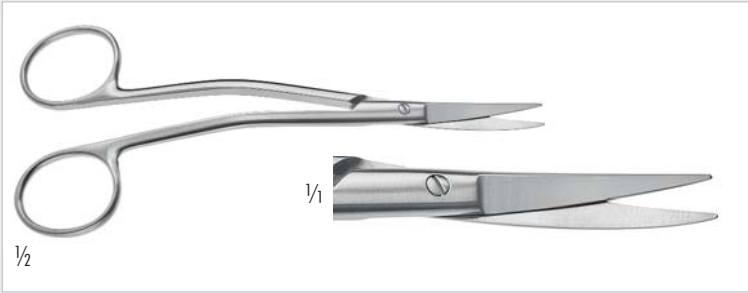
120-283-180  
**HEYMANN-KNIGHT**  
Nasenschere, 180 mm  
Nasal scissors, 7 inch



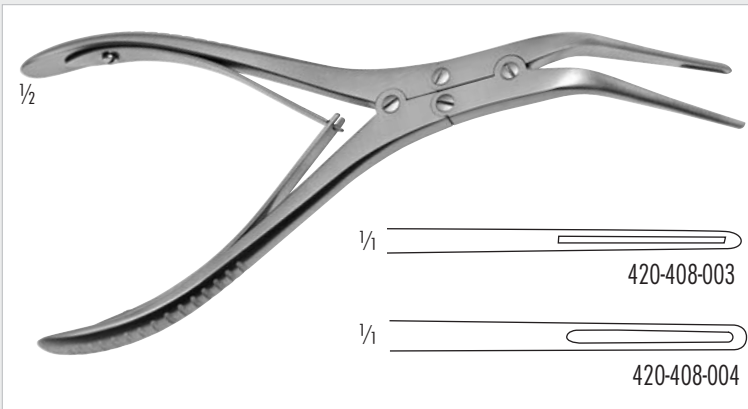
120-285-175  
**KIRSTEIN**  
Nasenschere, gezahnt, 180 mm  
Nasal scissors, serrated, 7 inch



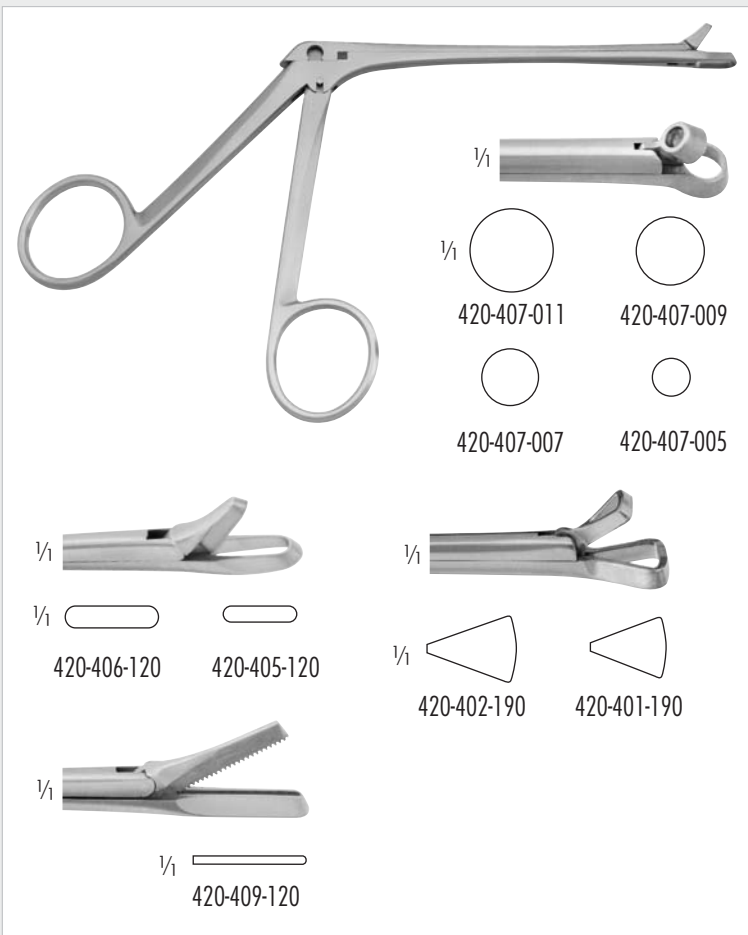
120-208-230  
**OLIVECRONA**  
Nasenschere, 230 mm  
Nasal scissors, 9 inch



120-306-140  
**JOSEPH**  
 Nasenschere, doppelt gebogen, stumpf, 140 mm  
 Nasal scissors, double curved, blunt, 5 1/2 inch



420-408-003 3 mm  
 420-408-004 4 mm  
**KRESSNER**  
 Muschelquetschzangen, 220 mm  
 Crushing forceps, 8 3/4 inch



420-407-005 5mm  
 420-407-007 7mm  
 420-407-009 9mm  
 420-407-011 11mm  
**HARTMANN**  
 Conchotom, durchschneidend, 120 mm  
 Nasal cutting forceps, through cutting, 4 1/2 inch

420-405-120 3,5 x 11mm  
 420-406-120 2,0 x 9,5mm  
**GRUENWALD-HENKE**  
 Conchotom, durchschneidend  
 Nasal cutting forceps, through cutting

420-401-190 Fig. 1  
 420-402-190 Fig. 2  
**SCHMEDEN**  
 Conchotom, durchschneidend  
 Nasal cutting forceps, through cutting

420-409-120  
**STRUYCKEN**  
 Conchotom, durchschneidend  
 Nasal cutting forceps, through cutting



420-401-001 7 mm, Fig.1  
420-401-002 8 mm, Fig.2

**MELZER**

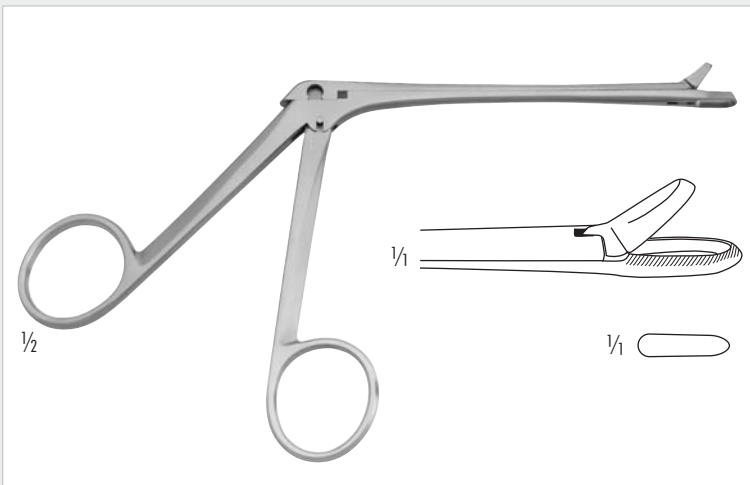
Adenoidzange, durchschneidend, rund, mit Gitter, 140 mm  
Adenoid Forceps, through cutting, round, with basket, 140 mm



420-421-001 3 mm Schnitt/3 mm bite Fig.1  
420-421-002 3,5 mm Schnitt/3.5 mm bite Fig.2  
420-421-003 4 mm Schnitt/4 mm bite Fig.3

**GRUENWALD**

Nasenzange, durchschneidend, ovaler Schnitt, Arbeitslänge: 115 mm  
Nasal Forceps, through cutting, oval bite, Working length: 4 1/2 inch



420-410-120

**MYLES**

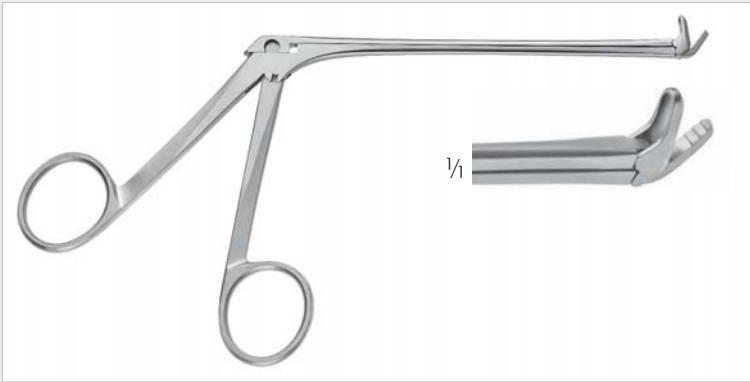
Conchotom, durchschneidend, 120 mm  
Nasal cutting forceps, through cutting, 4 3/4 inch



420-410-140

**MYLES**

Conchotom, durchschneidend, 2,5 x 11,5 mm flaches, gezahntes Maul, Arbeitslänge: 140 mm  
Nasal Punch, through cutting, 2.5 x 11.5 mm flat, serrated jaw, Working length: 5 1/2 inch



420-413-140

**MYLES**

Conchotom, durchschneidend, gezahnt, 30° aufgebogen,  
Arbeitslänge: 140 mm

Nasal Punch, through cutting, serrated, 30° upcurved shaft,  
Working length: 5 1/2 inch



420-401-100 6 mm, Fig.0

420-401-101 7 mm, Fig.1

420-401-102 8 mm, Fig.2

420-401-103 10 mm, Fig.3

**MELZER**

Adenoidzange, durchschneidend, dreieckig, mit Gitter,  
Arbeitslänge: 140 mm

Adenoid Forceps, through cutting, triangular, with basket,  
Working length: 5 1/2 inch



420-401-201 5,2 x 3,2mm Fig.1

**MELZER**

Adenoidzange, durchschneidend, oval, Arbeitslänge: 140 mm

Adenoid Forceps, through cutting, oval, Working length: 5 1/2 inch



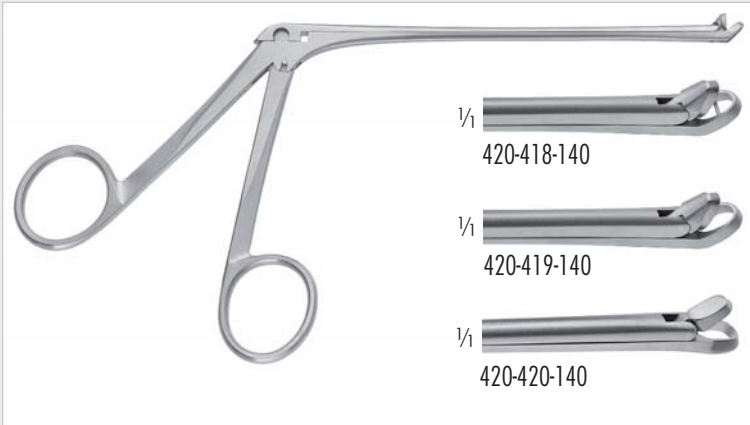
420-414-120 gerade/straight

420-415-120 links gebogen/left curved

420-416-120 rechts gebogen/right curved

Nasenschere, 120 mm

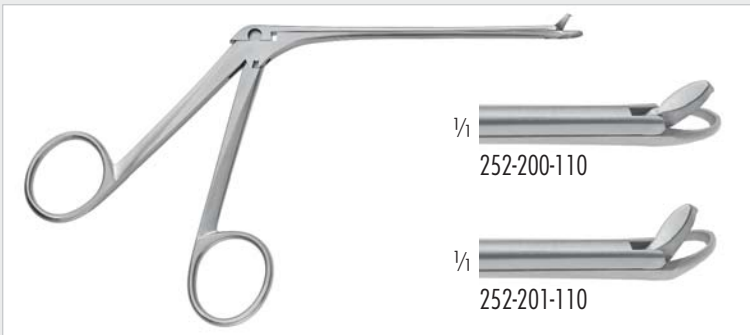
Nasal scissors, 4 3/4 inch



- 420-418-140 Mit Gitter, aufgebogen/  
with basket, curved up
- 420-419-140 Ohne Gitter, aufgebogen/  
without basket, curved up
- 420-420-140 Ohne Gitter, gerade/  
without basket, straight

**WATSON-WILLIAMS**

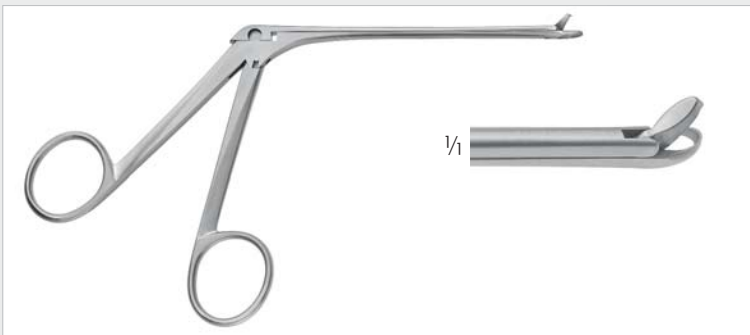
Nasenzange, durchschneidend, 3 mm Schnitt,  
Arbeitslänge: 140 mm  
Nasal Forceps, through cutting, 3 mm bite,  
Working length: 5 ½ inch



- 252-200-110 2 mm Schnitt, gerade/bite, straight
- 252-200-111 2,5 mm Schnitt, gerade/bite, straight
- 252-200-112 3 mm Schnitt, gerade/bite, straight
- 252-201-110 2 mm Schnitt, aufgebogen/bite, upcurved
- 252-201-111 2,5 mm Schnitt, aufgebogen/bite, upcurved
- 252-201-112 3 mm Schnitt, aufgebogen/bite, upcurved

**BLAKESLEY**

Nasenzange, durchschneidend, 115 mm  
Nasal Forceps, through cutting, 4 ½ inch



- 252-202-111 Fig.1 links gebogen/left curved jaw
- 252-203-111 Fig.2 rechts gebogen/right curved jaw

**BLAKESLEY**

Nasenzange, durchschneidend, 2,5mm Schnitt, 115mm  
Nasal Forceps, though cutting, 2.5mm cut, 4 ½ inch



- 252-477-141 rückwärts öffnend/backward cutting
- 252-477-142 links öffnend/left side cutting
- 252-477-143 rechts öffnend/right side cutting

**NICOLAI**

Stirnhöhlenzange 2mm Schnitt, 65° aufgebogen  
Antrum Forceps, 2mm bite, 65° angled upwards



252-526-115 **NOYES** gefenstert/fenestrated  
1x2 Zähne/teeth

252-527-115 **NOYES** gefenstert/fenestrated

252-528-115 **MORGENSTEIN**

252-529-115 **BLAKESLEY**

252-530-115 **FERRIS-SMITH**

Nasenzange mit Querzähnen, Arbeitslänge: 115 mm  
Nasal Forceps with serrated jaws, Working length: 4 1/2 inch



420-223-170  
**HILDYARD**  
Löffelzängchen, 3,5 mm Löffel, 120 mm Schaftlänge,  
Arbeitslänge: 120 mm  
Post-Nasal Biopsy Forceps, 3.5 mm biopsy cup, shaft  
Working length: 4 3/4 inch



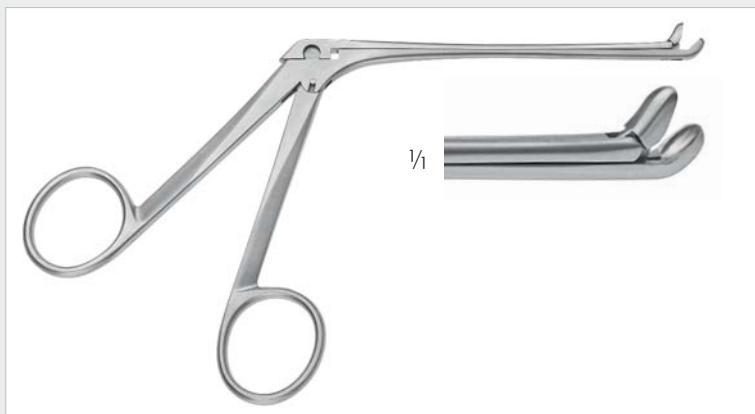
252-539-115  
**LEWIS**  
Nasenzange seitlich links öffnend, Arbeitslänge: 115mm  
Nasal Forceps, round grooved jaws, opening to left side,  
Working length: 4 1/2 inch

252-425-115

**BEAD**

Bead Nasenzange mit Löffel, aufgebogen, kleines Modell ,  
Arbeitslänge: 115mm

Nasal Forceps with cup jaws, upturned, small model, Working length: 4  
½ inch



252-000-120 Fig.0 3,0 mm

252-001-120 Fig.1 3,6 mm

252-002-120 Fig.2 4,2 mm

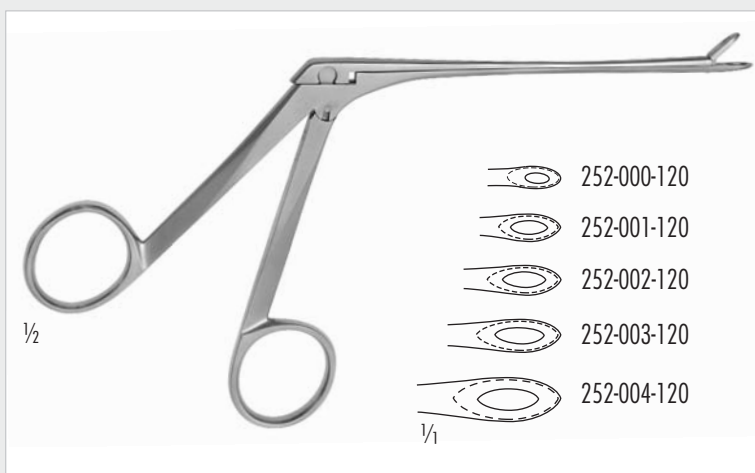
252-003-120 Fig.3 4,8 mm

252-004-120 Fig.4 5,6 mm

**WEIL-BLAKESLEY**

Siebbeinzangen, gerade, ovaler Löffel, gefenestertes Maul, 120 mm

Ethmoidal forceps, straight, oval, cup-shaped fenestrated jaws, 4 ¾ inch



252-000-121 Fig.0 3,0 mm

252-001-121 Fig.1 3,6 mm

252-002-121 Fig.2 4,2 mm

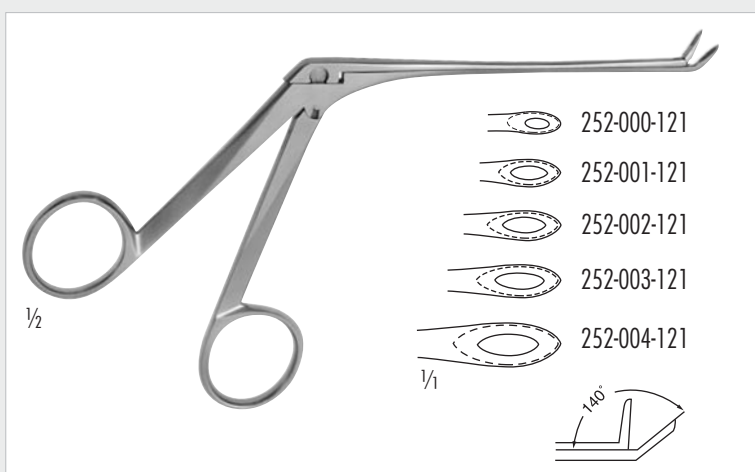
252-003-121 Fig.3 4,8 mm

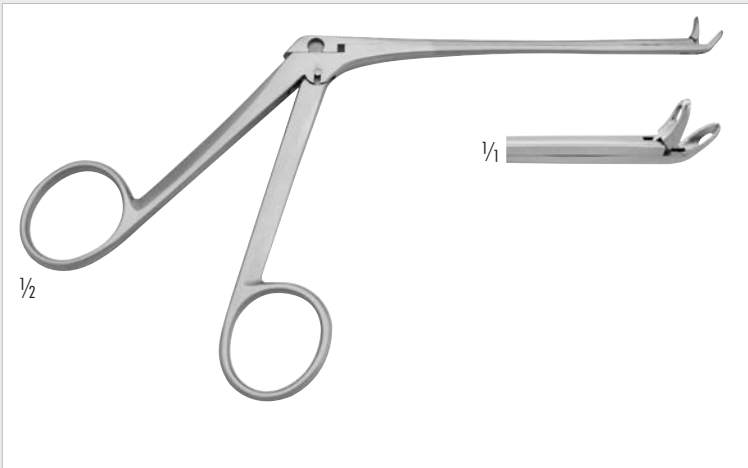
252-004-121 Fig.4 5,6 mm

**WEIL-BLAKESLEY**

Siebbeinzangen, aufgebogen, ovaler Löffel, gefenestertes Maul, 110 mm

Ethmoidal forceps, upwards curved, oval cup, fenestrated jaws, 4 ½ inch



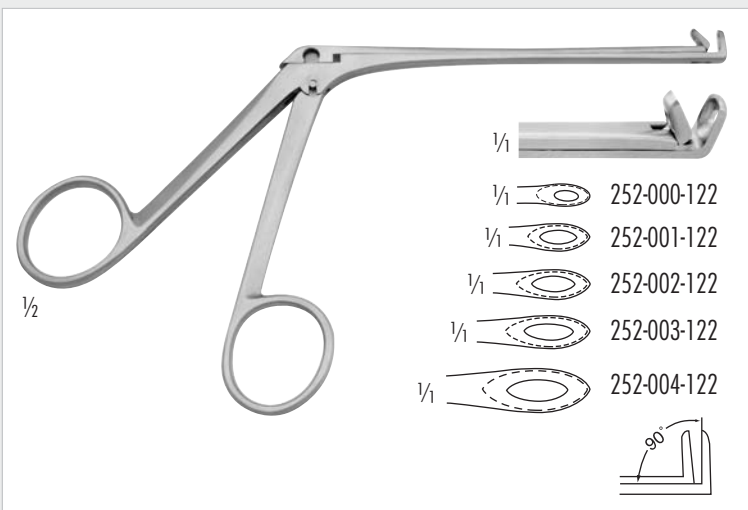


252-000-111

**STRUEMPEL-VOSS**

Siebbeinzange 45° aufgebogen, besonders fein, 2,5mm  
110 mm Schaft

Ethmoidal forceps, 45° upwards curved, oval, very delicate, 2.5mm  
110 mm shaft



252-000-122 Fig.0 3,0 mm

252-001-122 Fig.1 3,6 mm

252-002-122 Fig.2 4,2 mm

252-003-122 Fig.3 4,8 mm

252-004-122 Fig.4 5,6 mm

**WEIL-BLAKESLEY**

Siebbeinzange, 90° aufgewinkelt, 110 mm  
Ethmoidal forceps, 90° angled up, 4 1/2 inch



0°

252-035-150 Größe/Size 1: 3,5mm

252-040-150 Größe/Size 2: 4,0mm

252-050-150 Größe/Size 3: 5,0mm

45°

252-035-151 Größe/Size 1: 3,5mm

252-040-151 Größe/Size 2: 4,0mm

90°

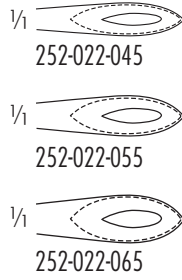
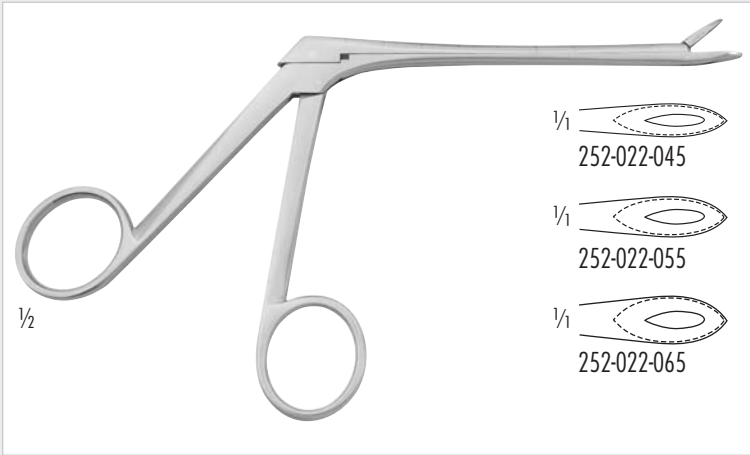
252-035-152 Größe/Size 1: 3,5mm

252-040-152 Größe/Size 2: 4,0mm

**BLAKESLEY**

Nasenzange, Arbeitslänge: 150mm Arbeitslänge:  
Nasal Forceps, working length: 6 inch

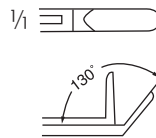




- 252-022-045 4,5 mm
- 252-022-055 5,5 mm
- 252-022-065 6,5 mm

**TILLEY HENCKEL**

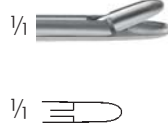
Siebbeinzange, gerade, Schaft graduert, 115 mm  
Ethmoidal forceps, straight, shaft graduated, 4 1/2 inch



- 252-410-130 2 mm, gerade/straight
- 252-410-131 3 mm, gerade/straight
- 252-413-131 3 mm, aufgebogen/curved up

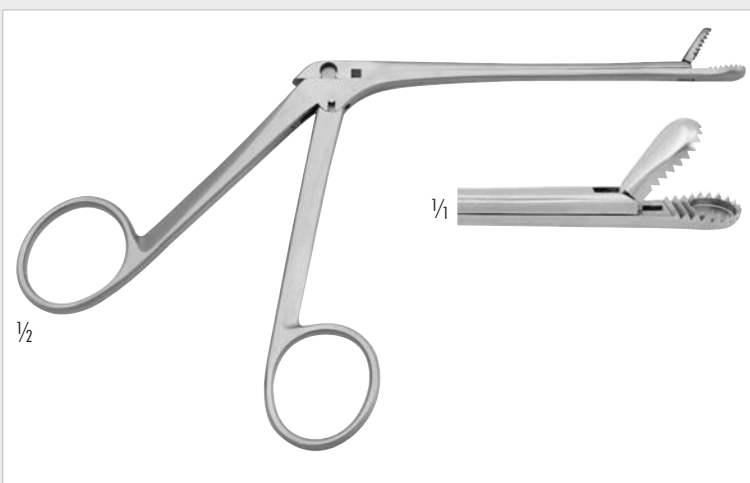
**TAKAHASHI**

Siebbeinzange, oval, Löffelmaul, 120 mm  
Ethmoidal forceps, oval, cup-shaped, 4 3/4 inch



**252-534-100**

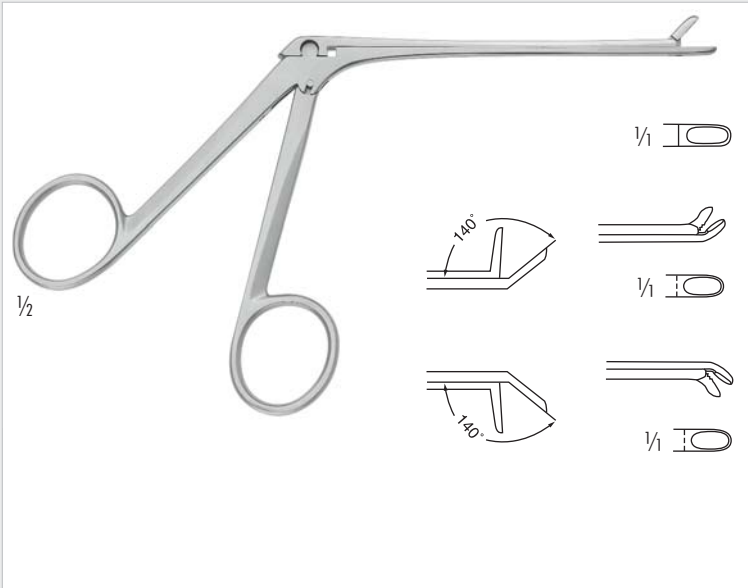
Siebbeinzange, gerade, 140 mm  
Ethmoidal forceps, straight, 5 1/2 inch



**252-530-120**

**WATSON-WILLIAMS**

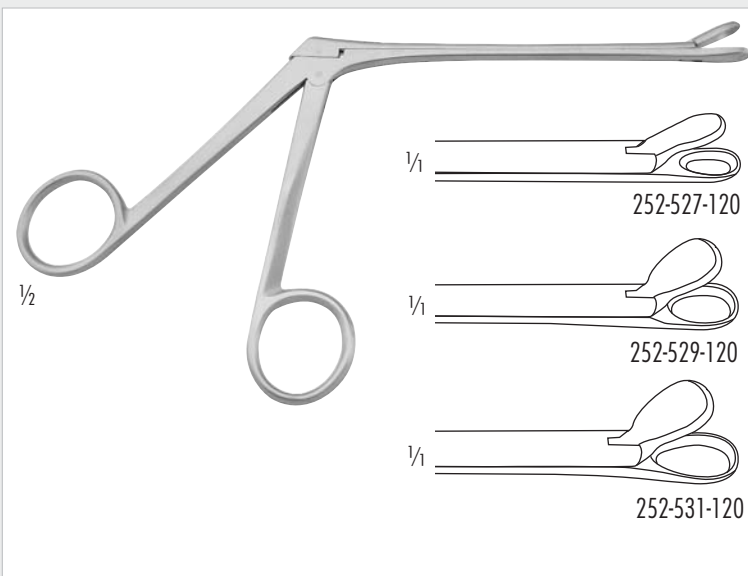
Schleimhaut Faßzange, gezahnt, gerade, 120 mm  
Ethmoidal mucosa forceps, serrated jaws, straight, 4 3/4 inch



- 252-536-115 gerade/straight
- 252-537-115 aufgebogen/curved up
- 252-538-115 abgebogen/curved down

**ST BARTS**

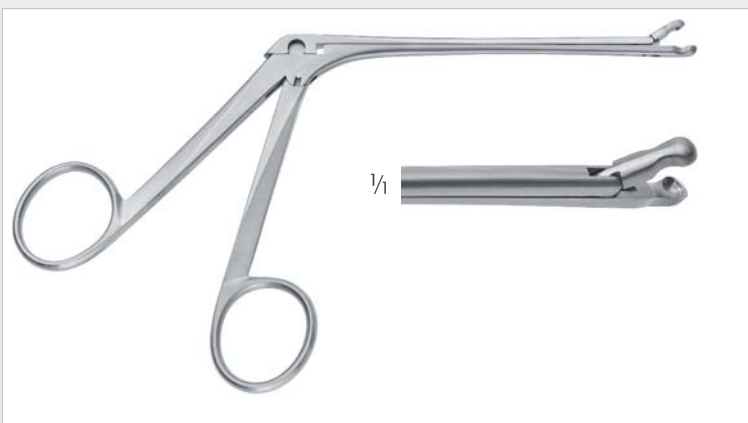
Rongeur, 3 mm, 110 mm  
 Rongeur, 3 mm, 4 1/3 inch



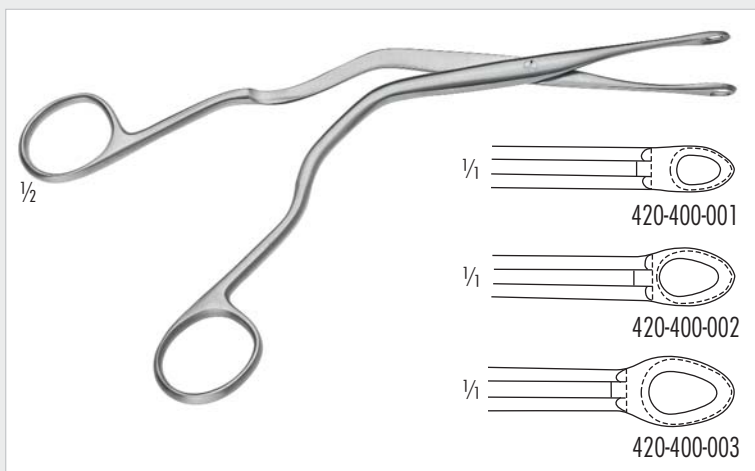
- 252-527-120 Fig.0
- 252-529-120 Fig.1
- 252-531-120 Fig.2

**WATSON-WILLIAMS**

Siebbeinzange, 115 mm  
 Ethmoidal forceps, 4 1/2 inch



- 252-426-100 Ø 3.5 mm
- Nasenzange mit rundem Löffel, 115 mm
- Sinus Cup Forceps, 4 1/2 inch



420-400-001 6,0 mm

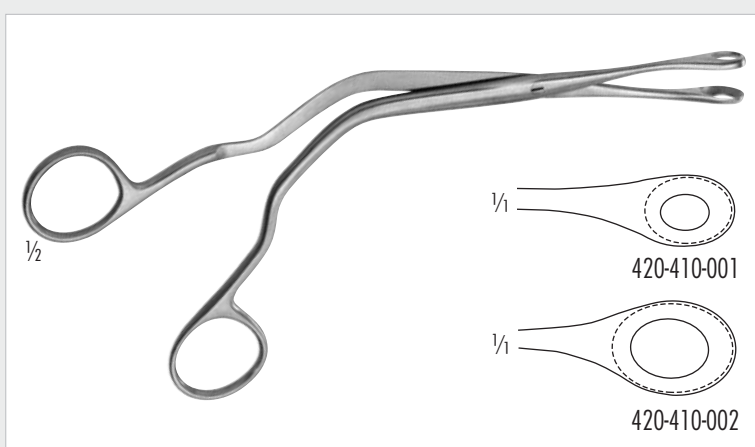
420-400-002 7,5 mm

420-400-003 9,0 mm

**LUC**

Septumzange, gefenestert, 190 mm

Septum forceps with fenestrated jaws, 7<sup>1</sup>/<sub>2</sub> inch



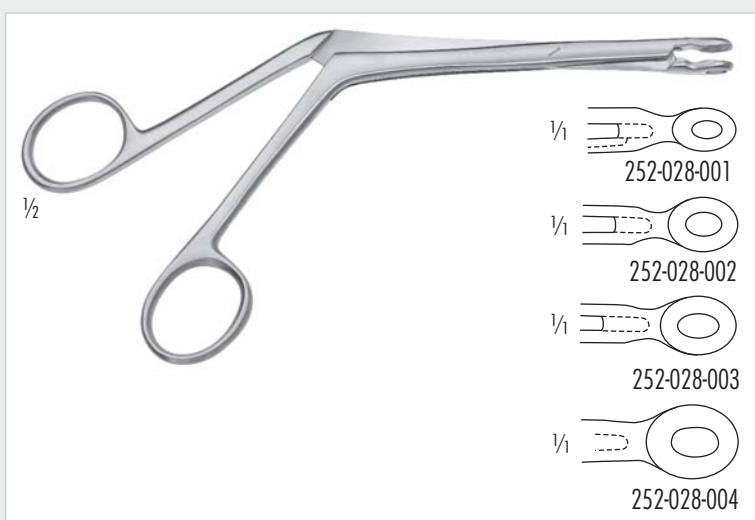
420-410-001 Fig. 1

420-410-002 Fig. 2

**LUC**

Septumzange, gefenestert, 200 mm

Septum forceps with fenestrated jaws, 8 inch



252-028-001 Größe/Size 1

252-028-002 Größe/Size 2

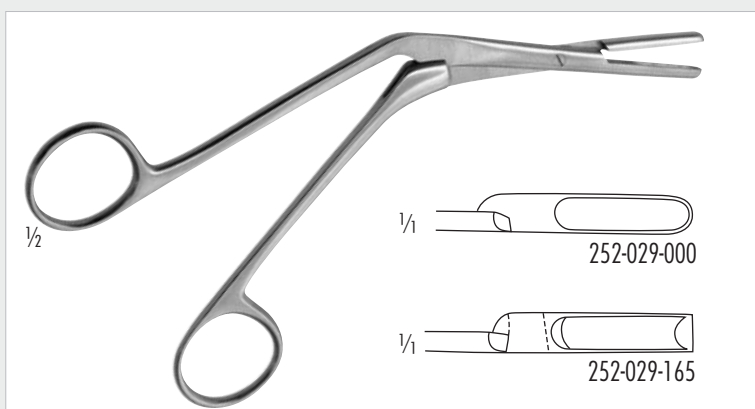
252-028-003 Größe/Size 3

252-028-004 Größe/Size 4

**BRUENINGS**

Septumzange, gefenestert, 190 mm

Septum forceps, fenestrated jaws, 7 <sup>1</sup>/<sub>2</sub> inch



252-029-000 6mm

**CRAIG**

Vormerzange, gerade, scharfer Löffel oval, 165 mm

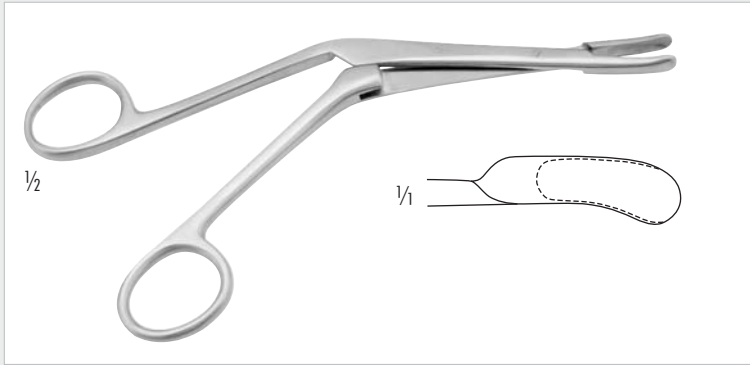
Septum bone cutting and breaking forceps straight, sharp cup, 6 <sup>1</sup>/<sub>2</sub> inch

252-029-165 6mm

**CRAIG**

Vormerzange mit eckigen Schneidkanten, 165 mm

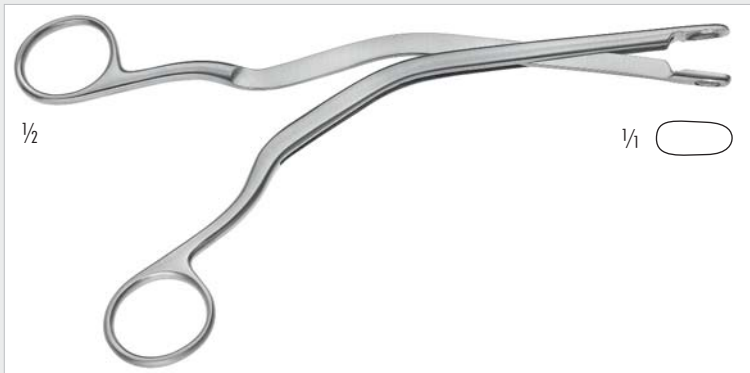
Septum bone cutting and breaking forceps straight, sharp cup, 6 <sup>1</sup>/<sub>2</sub> inch



252-029-500

**CRAIG-DOMNICK**

Vormerzange, linksgebogen, scharfe Löffel, 165 mm  
Septum bone cutting and breaking forceps, curved to the left, sharp cup, 6 1/2 inch



420-412-190

**IRWIN MOORE**

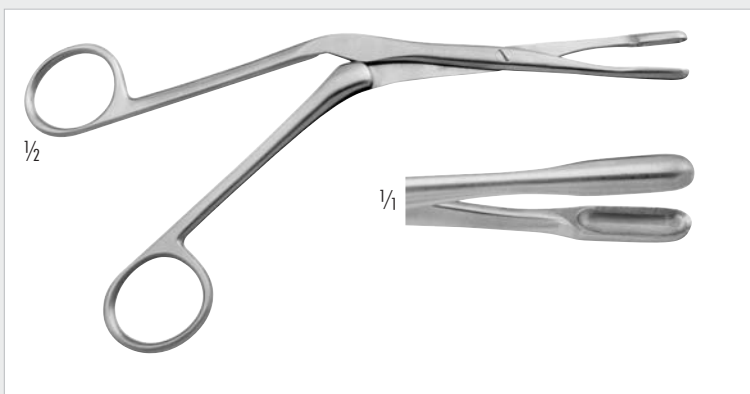
Septumzange, 190 mm  
Septum forceps, 7 1/2 inch



420-422-190

**HEYMANN-KNIGHT**

Septumzange, scharfer ovaler Löffel, 190 mm  
Septum forceps, with sharp oval cup, 7 1/2 inch



420-214-180

**KNIGHT**

Nasenzange, scharf, 180 mm  
Nasal forceps, sharp, 7 inch



252-031-190 4x14 mm großes Modell / large pattern  
 252-033-190 3x13 mm kleines Modell / small pattern

**JANSEN-MIDDLETON**

Nasenzange, durchschneidend, 210 mm  
 Nasal forceps, through cutting, 8 1/4 inch



252-032-190 4x11 mm

**JANSEN-MIDDLETON**

Nasenzange, Löffelmaul, 200 mm  
 Nasal forceps, cup-shaped, 8 inch



420-213-180

**BECKER**

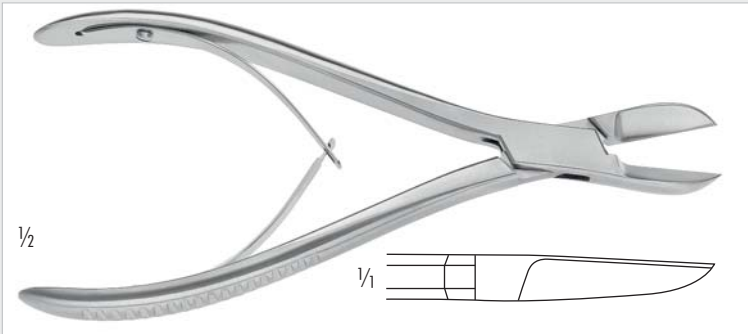
Septumschere mit Doppelgelenk, gezahnt, 180 mm  
 Septum scissors, double action, with serrated jaws, 7 inch



120-286-220 gerade Schneide/straight cutting edge  
 120-287-220 gebogene Schneide/curved cutting edge

**CAPLAN**

Nasenschere, 220 mm  
 Nasal scissors, 8 1/2 inch



210-845-185

**COTTLE-KAZANJIAN**

Knochensplitterzange, zum Entfernen eines Nasenhöckers, 180 mm  
Bone cutting forceps, for removal of nasal hump, 7 inch



210-855-180

**RUSKIN-ROWLAND**

Nasenzange mit Doppelgelenk, gerade, 180 mm  
Nasal hump rongeur, double action, straight, 7 inch



420-370-210

**RUBIN**

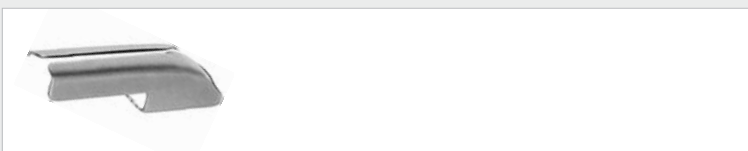
Knorpelquetschzange mit Doppelgelenk, gerade, 220 mm  
Septum morcelizer, double action, straight, 8 1/2 inch



420-371-210

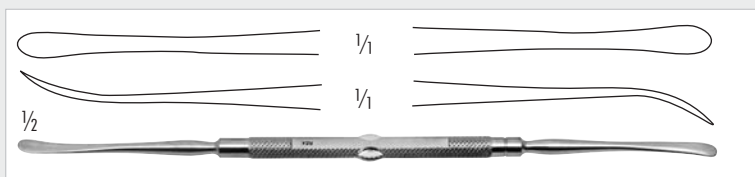
**RUBIN**

Knorpelquetschzange mit Doppelgelenk, abgewinkelt, 220 mm  
Septum morcelizer, double action, angled, 8 1/2 inch

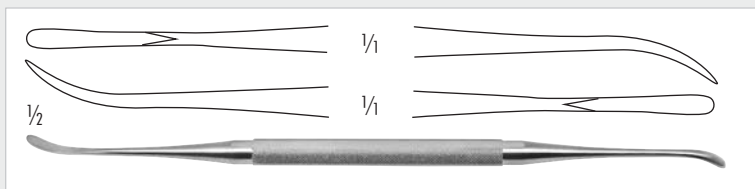


420-370-212

Schutzkappe für RUBIN Quetschzange 420-370-210 + 420-371-210  
Protection cap for RUBIN septum morcelizer 420-370-210 + 420-371-210



420-546-180 5 mm  
**FREER**  
 Elevatorium, scharf/stumpf, 185 mm  
 Elevator, sharp /blunt, 7 1/4 inch



420-548-180  
**FREER-YASARGIL**  
 Dissektor, scharf, 190 mm  
 Dissector, sharp, 7 1/2 inch



210-528-240  
**COHEN**  
 Elevator, doppelendig, 240mm  
 Elevator, double-ended, 9 1/2 inch



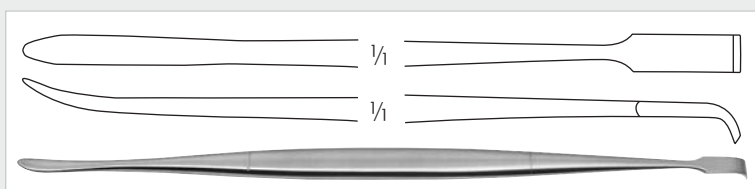
420-556-200  
**WOODSON**  
 Elevator, 2,4 / 4,0mm Blatt, 200mm  
 Elevator, 2.4 / 4.0mm blade, 8 inch



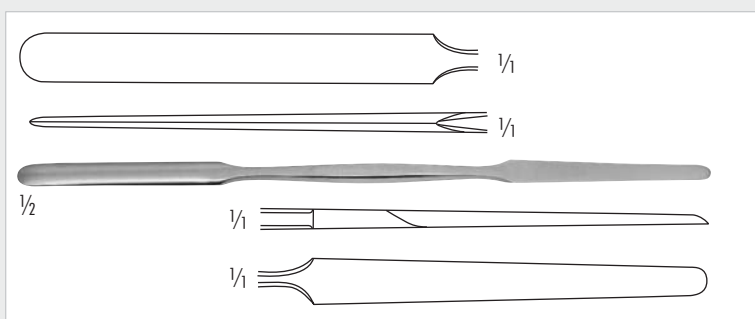
420-395-205 6 mm  
**NEGUS**  
 Saugdissektor, stumpf 210 mm  
 Suction dissector, blunt, 8 1/4 inch



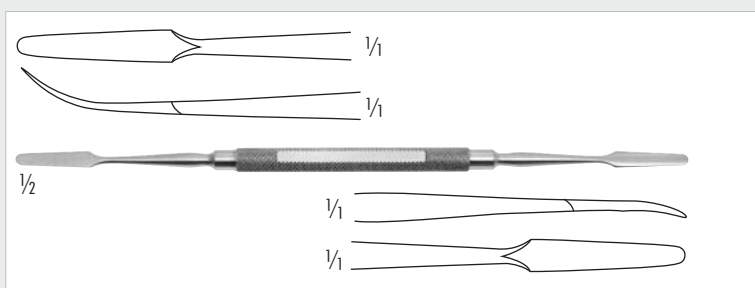
420-253-185 3 mm  
**GORNEY**  
 Saugraspatorium, halb-scharf 180 mm  
 Suction raspatory, semi-sharp 7 inch



420-552-215  
**HOWARTH**  
 Doppel-Elevatorium, 215 mm  
 Elevator, double-ended, 8 1/4 inch



420-541-180  
**KILLIAN**  
 Doppel-Elevatorium, scharf/stumpf, 185 mm  
 Elevator, double-ended, sharp/blunt, 7 1/4 inch



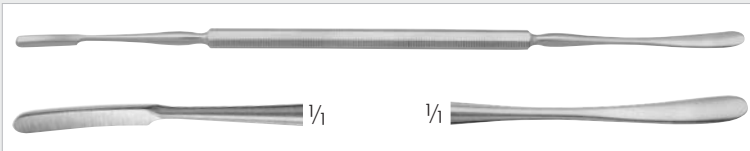
420-540-180  
**KILLIAN**  
 Doppel-Elevatorium, scharf/stumpf, 180 mm  
 Elevator, double-ended, sharp/blunt, 7 inch



252-002-180  
**KILLIAN**  
 Doppel-Elevatorium, schiffenförmig, scharf/stumpf, 180 mm  
 Septum double-ended elevator, shuffle-shaped, sharp/blunt, 7 inch



252-001-200  
**FREER**  
 Doppel-Elevatorium, halbscharf/stumpf, 200 mm  
 Septum double-ended elevator, semi-sharp/blunt, 8 inch



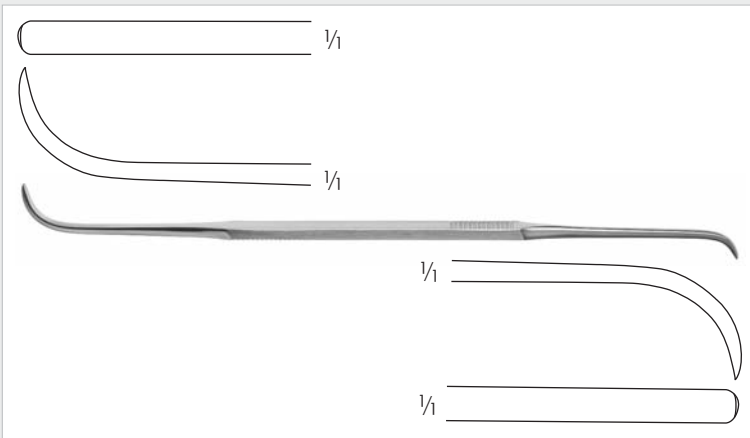
420-555-200  
**FREER-JOSEPH**  
 Doppel-Elevatorium, 200 mm  
 Septum double-ended elevator, 8 inch



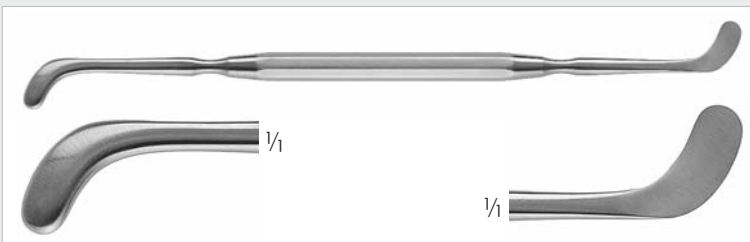
420-551-200  
**MASING**  
 Elevatorium, doppelendig, graduert, scharf/stumpf, 200 mm  
 Elevator, double-ended, graduated, sharp/blunt, 8 inch



420-550-230  
**COTTLE**  
 Doppel-Elevatorium, graduert, scharf/stumpf, 210 mm  
 Elevator, double-ended, graduated, sharp/blunt, 8 1/4 inch



420-552-200  
**COTTLE**  
 Doppel-Elevatorium, zum Tunnelieren, 220 mm  
 Elevator, double-ended, for tunneling, 9 inch

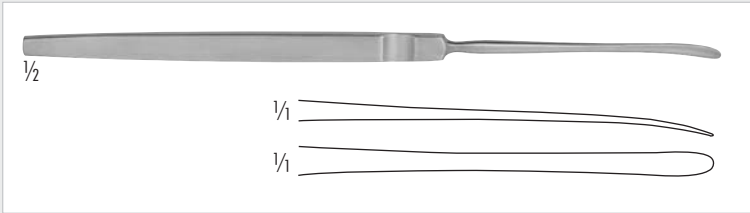


420-543-210  
**PENNINGTON**  
 Elevatorium, 210 mm  
 Elevator, 8 1/4 inch



420-551-175  
**FREER**  
 Raspatorium, doppelendig, scharf, 175 mm  
 Periosteal elevator, double-ended, sharp, 7 inch

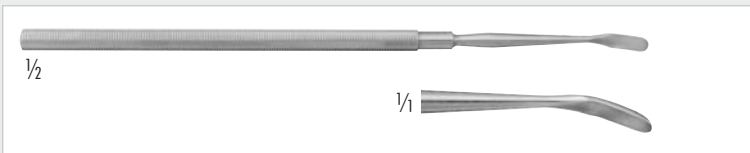




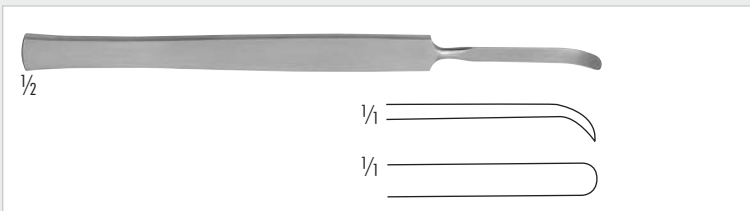
420-544-165 4,0 mm  
**HALLE**  
 Elevatorium, stumpf, 180 mm  
 Elevator, blunt, 7 inch



420-551-180 4 mm  
**FREER**  
 Raspatorium, 160 mm  
 Periosteal elevator, 6 1/2 inch



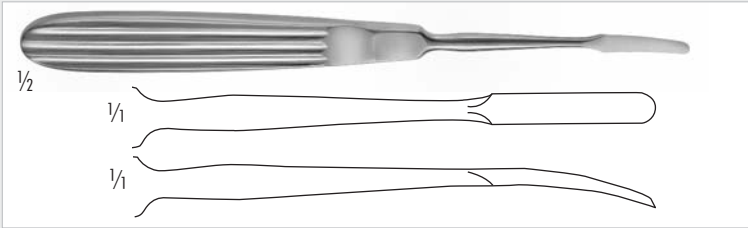
420-557-165 4,0 mm  
 Raspatorium, abgewinkelte Spitze, 165 mm  
 Periosteal elevator, angled tip, 6 1/2 inch



420-547-004 4 mm  
 420-547-005 5 mm  
**MC KENTY**  
 Septum Elevatorium, gebogen, scharf, 155 mm  
 Septum periosteal elevator, curved, sharp, 6 inch



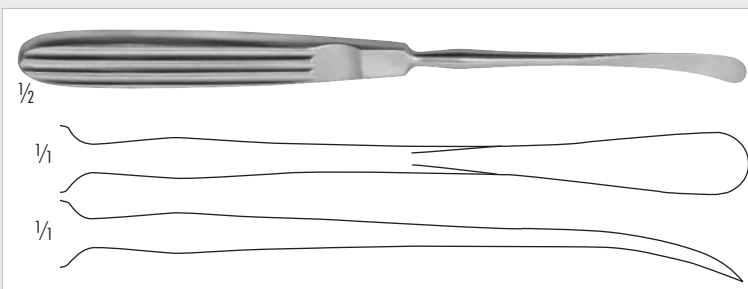
420-547-006  
**ERLANGEN**  
 Raspatorium, 6mm breit, leicht gebogen, 175 mm  
 Raspatory, 6mm wide, slightly curved, 7 inch



- 420-530-165 2 mm
- 420-531-165 3 mm
- 420-532-165 4 mm
- 420-533-165 5 mm

**JOSEPH**

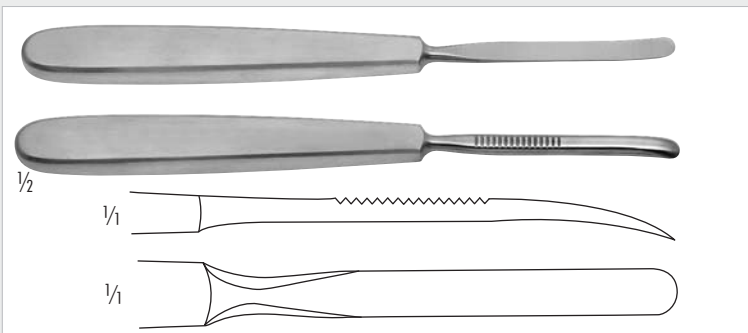
Periost-Raspatorium, leicht gebogen, 170 mm  
 Periosteal elevator, slightly curved, 6 3/4 inch



- 210-438-195 8 mm

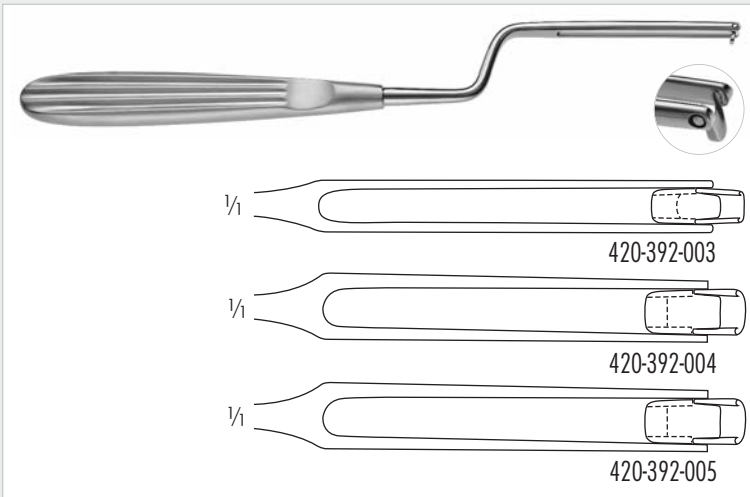
**COTTLE**

Elevatorium, gebogen, scharf, 190 mm  
 Elevator, curved, sharp, 7 1/2 inch



- 210-439-006 6 mm
- 210-439-008 8 mm

Periost-Raspatorium, leicht gebogen, 170 mm  
 Periosteal elevator, slightly curved, 6 3/4 inch



420-392-003 3 mm  
420-392-004 4 mm  
420-392-005 5 mm

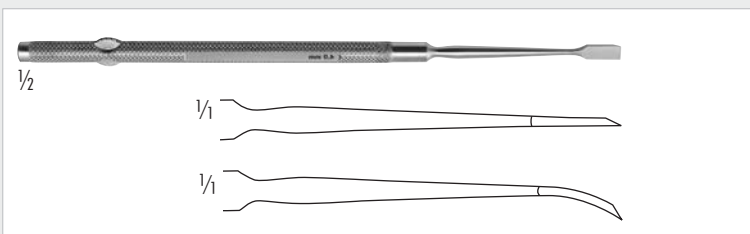
**BALLENGER**

Schwingmesser, bajonettförmig, 210 mm  
Swivel knife, bayonet shaped, 8 1/4 inch

420-393-003 3 mm  
420-393-004 4 mm  
420-393-005 5 mm

**BALLENGER**

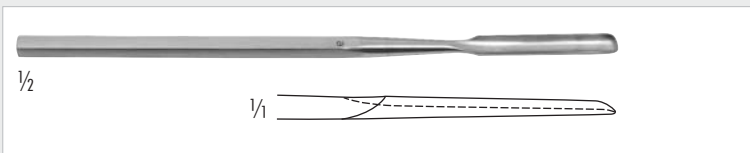
Schwingmesser, gerade, 195 mm  
Swivel knife, straight, 8 inch



420-590-004 4 mm, gerade/straight  
420-591-004 4 mm, gebogen/curved

**FREER**

Septum Flachmeissel, 160 mm  
Septum chisel, 6 1/4 inch



420-550-170 6 mm

**FREER**

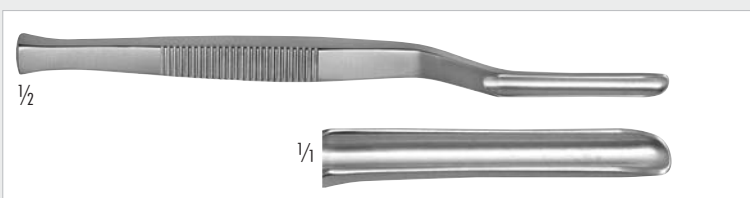
Septum-Hohlmeissel, mit runder Schneide, gerade, 150 mm  
Septum gouge, straight, round cutting edge, 6 inch



420-595-170 6 mm

**BALLENGER**

Septum-Hohlmeissel mit Kerbe, gerade, 155 mm  
Septum gouge, with notch and cutting edge, 6 inch



420-552-170 6 mm

**KILLIAN**

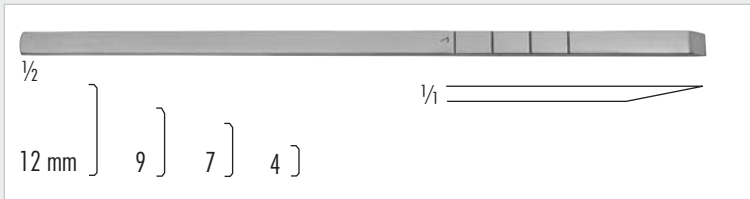
Septum-Hohlmeissel mit runder Schneide, bajonettförmig gebogen, 170 mm  
Septum gouge, round cutting edge, bayonet shaped, 6 3/4 inch



420-551-170 6 mm

**KILLIAN-CLAUS**

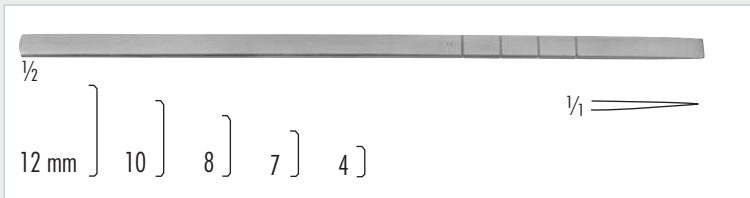
Septum-Hohlmeissel mit Kerbe, bajonettförmig gebogen, 170 mm  
Septum gouge with notch, bayonet shaped, 6 3/4 inch



- 210-488-004 4 mm
- 210-488-007 7 mm
- 210-488-009 9 mm
- 210-488-012 12 mm

**COTTLE**

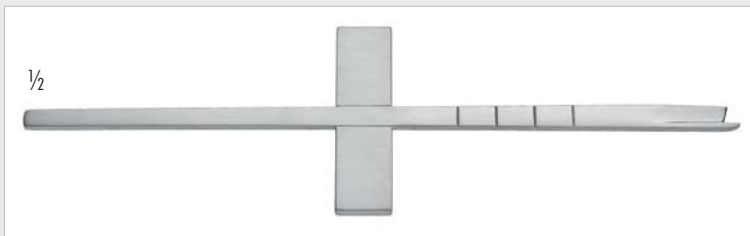
Flachmeißel, graduiert, 185 mm  
Chisel, graduated, 7 1/4 inch



- 210-487-004 4 mm
- 210-487-007 7 mm
- 210-487-008 8 mm
- 210-487-010 10 mm
- 210-487-012 12 mm

**COTTLE**

Osteotom, graduiert, 180 mm  
Osteotome, graduated, 7 inch



- 210-472-105 5mm

**COTTLE**

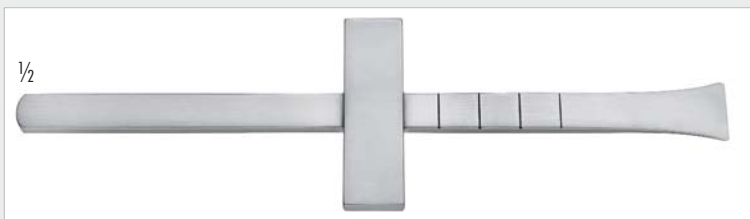
Osteotom mit Schutz und Crossbar, 185m  
Osteotome with guard and crossbar, 7 1/4 inch



- 210-486-008 8 mm

**COTTLE**

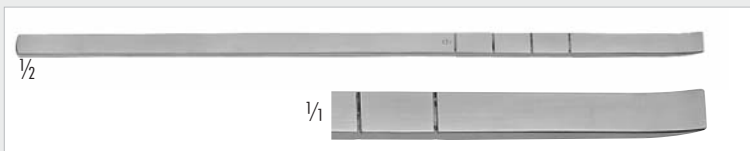
Fischschwanz Osteotom, verrundete Ecken 180 mm  
Fishtail osteotome, with protected ends, double guarded 7 inch



- 210-486-016

**COTTLE**

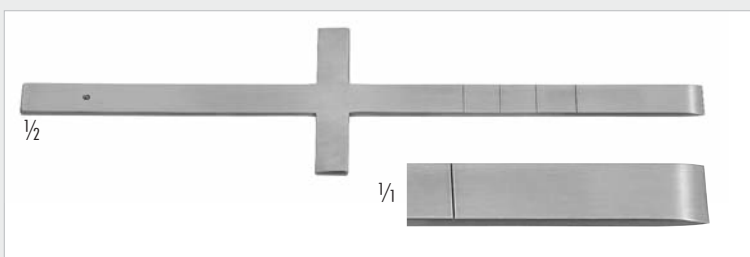
Fischschwanz Osteotom, mit Querbalken, 16mm,  
runde Schneidkanten, 180mm  
Fishtail osteotome, with crossbar, 16mm  
with round cutting end, 7 inch



- 210-486-006 6 mm

**COTTLE**

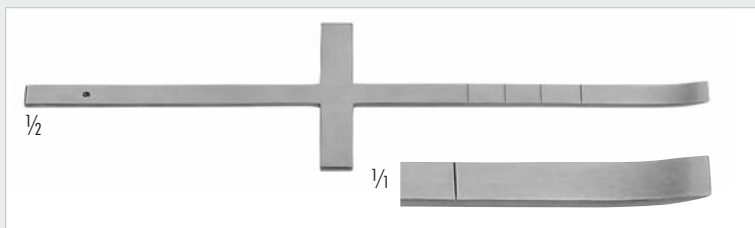
Flachmeißel, gebogen, graduiert, für transversale Osteotomie, 180 mm  
Chisel, curved, graduated, for transverse osteotomies, 7 inch



- 210-472-006 6 mm

**COTTLE**

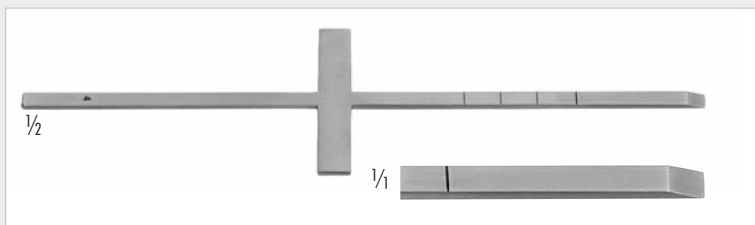
Osteotom, gerade, 185 mm  
Osteotome, straight, 7 1/4 inch



210-473-006 6 mm

**COTTLE**

Osteotom, gebogen, 185 mm  
Osteotome, curved, 7 1/4 inch



210-474-006

**COTTLE**

Meißel, gerade, 6 mm, 185 mm  
Chisel, straight, 6 mm, 7 1/4 inch



420-587-008 8 mm  
420-587-010 10 mm  
420-587-012 12 mm  
420-587-014 14 mm  
420-587-016 16 mm

**RUBIN**

Osteotom, 180 mm  
Osteotome, 7 inch



420-628-253

**GUASTELLA**

Dorsal Osteotom, 18cm  
Dorsal Osteotome, 7 inch



420-589-008 8 mm  
420-589-010 10 mm  
420-589-012 12 mm  
420-589-014 14 mm  
420-589-016 16 mm

**CINELLI**

Osteotom, mit doppelter Führung, gerade, 160 mm  
Osteotome, double guarded, straight, 6 1/4 inch



420-587-177 6,5 mm

**PARKES**

Höcker Hohlmeißel, 180 mm  
Hump gouge, 7 inch



420-459-001 gerade/straight  
420-459-002 rechts gebogen/curved right  
420-459-003 links gebogen/curved left

**SILVER**

Nasenmeißel, 180mm  
Nasal Chisel, 7 inch



420-460-001 gerade/straight  
 420-460-002 links/left  
 420-460-003 rechts/right  
**SILVER**  
 Osteotom, schmales Modell, 185 mm  
 Osteotome, slender model, 7 1/4 inch



420-639-001 gerade/straight  
 420-639-002 rechts gebogen/curved right  
 420-639-003 links gebogen/curved left  
**ANDERSON-NEIVERT**  
 Osteotom, 205 mm, 3,5 mm  
 Osteotome, 8 inch, 3.5 mm



420-641-001 gerade/straight  
 420-641-002 rechts/right  
 420-641-003 links/left  
**GUNTER**  
 Osteotom, 205 mm  
 Osteotome, 8 inch



420-472-002 links/left  
 420-472-003 rechts/right  
**GUASTELLA**  
 Osteotom, 180 mm  
 Osteotome, 7 inch



420-460-005  
**SILVER**  
 Osteotom mit V-Spitze, gebogen, 175 mm  
 Osteotome with V-tip, curved, 6 3/4 inch



420-491-001 links gebogen/curved left  
 420-491-002 rechts gebogen/curved right  
 420-491-000 gerade/straight  
**FRENCHAY**  
 Nasenmeißel, mit Führung, 180 mm  
 Nasal Chisel, with guard, 7 inch



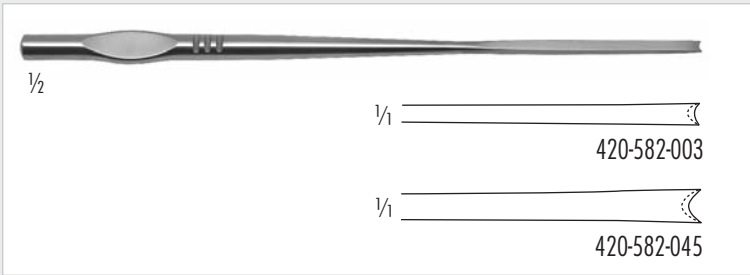
420-586-004 4mm    420-586-006 6mm  
 420-586-005 5mm    420-586-007 7mm  
**FOMON**  
 Meißel, 170 mm  
 Chisel, 6 3/4 inch



420-458-160  
**PARKES**  
 Osteotom, mit einseitigem Schutz, 160 mm  
 Osteotome with single guard, 6 1/3 inch



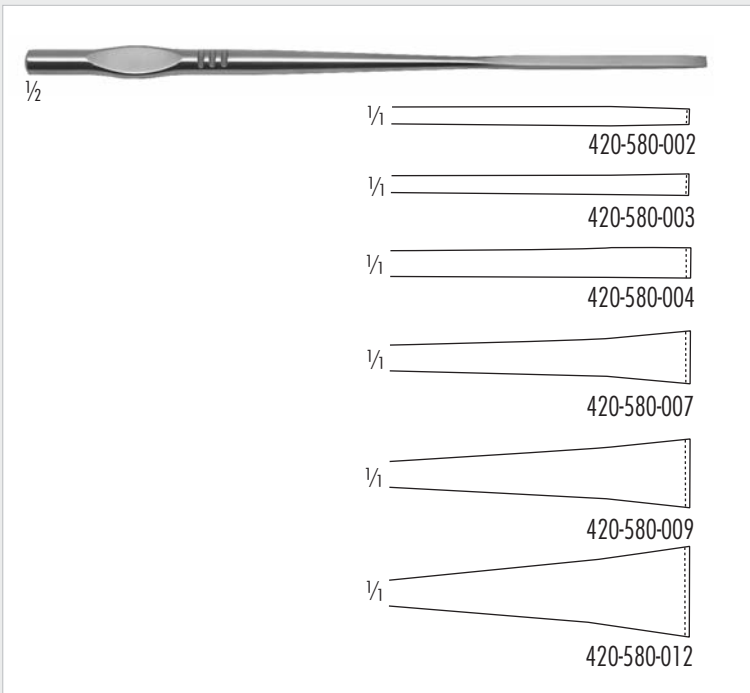
420-470-001 gerade/straight  
 420-470-002 rechts gebogen/curved right  
 420-470-003 links gebogen/curved left  
**RISTOW**  
 Osteotom, 200 mm  
 Osteotome, 8 inch



420-582-003 3,0 mm  
420-582-045 4,5 mm

**WALTER**

Flachmeißel mit Hohlkehle, Spitzen verrundet, 190 mm  
Chisel with notch, double guarded, 7 1/2 inch



420-580-002 2,0 mm  
420-580-003 3,0 mm  
420-580-004 4,0 mm  
420-580-007 7,0 mm  
420-580-009 9,0 mm  
420-580-012 12,0 mm

**WALTER**

Osteotom, 190 mm  
Osteotome, 7 1/2 inch



420-568-002	2 mm	420-568-008	8 mm
420-568-003	3 mm	420-568-009	9 mm
420-568-004	4 mm	420-568-010	10 mm
420-568-005	5 mm	420-568-011	11 mm
420-568-006	6 mm	420-568-012	12 mm
420-568-007	7 mm	420-568-014	14 mm

**RZ-OSTEOTOME**

Osteotom, 180 mm  
Osteotome, 7 inch



420-572-002 2 mm  
420-572-003 3 mm  
420-572-004 4 mm  
420-572-005 5 mm  
420-572-010 10 mm  
420-572-011 11 mm  
420-572-012 12 mm

**CONVERSE**

Osteotom mit Stabilisierung, 180 mm  
Osteotome with stabilizer, 7 inch



1/2

420-573-001 gerade/straight  
 420-573-002 links/left  
 420-573-003 rechts/right

**CONVERSE**

Meißel mit Schutz, 190mm  
 Chisel with single guard, 7 1/2 inch



1/2

420-500-200 3,0 mm

**REES**

Osteotom, mit Aluminium Handgriff, 200 mm  
 Osteotome, with aluminum handle, 8 inch



1/2

420-594-002	2 mm	420-594-007	7 mm
420-594-003	3 mm	420-594-008	8 mm
420-594-004	4 mm	420-594-010	10 mm
420-594-005	5 mm	420-594-012	12 mm
420-594-006	6 mm	420-594-015	15 mm

**SHEEHAN**

Osteotom, 175 mm  
 Osteotome, 7 inch



1/2

420-596-002	2 mm
420-596-003	3 mm
420-596-004	4 mm
420-596-006	6 mm
420-596-008	8 mm
420-596-010	10 mm
420-596-011	11 mm
420-596-015	15 mm

**TARDY**

Osteotom, 160 mm  
 Osteotome, 6 1/3 inch



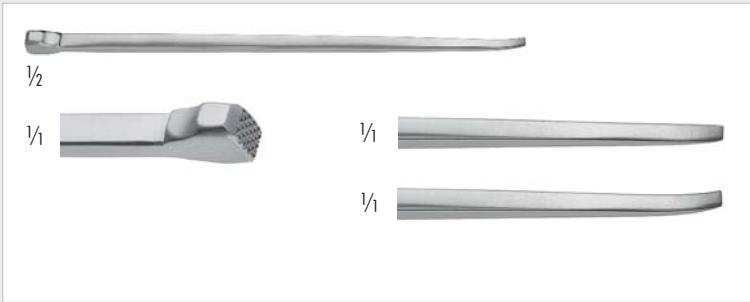
1/2

420-496-001	1 mm	420-496-007	7 mm
420-496-002	2 mm	420-496-008	8 mm
420-496-003	3 mm	420-496-009	9 mm
420-496-004	4 mm	420-496-010	10 mm
420-496-005	5 mm	420-496-012	12 mm
420-496-006	6 mm	420-496-015	15 mm

**FRENCH PATTERN**

Osteotom, 150 mm  
 Osteotome, 6 inch





Gerade/straight		Gebogen/curved	
420-570-002	2mm	420-571-002	2mm
420-570-004	4mm	420-571-004	4mm
420-570-006	6mm	420-571-006	6mm
420-570-008	8mm	420-571-008	8mm
420-570-010	10mm	420-571-010	10mm
420-570-012	12mm	420-571-012	12mm

Mini Osteotom, 125 mm  
Mini Osteotome, 5 inch



420-702-175CC	2mm
420-703-175CC	3mm
420-704-175CC	4mm
420-706-175CC	6mm

Mini Osteotom, CeraCut®, 175mm  
Mini Osteotome, CeraCut®, 7 inch



Gerade/straight		Gebogen/curved	
420-502-002	2mm	420-502-102	2mm
420-502-003	3mm	420-502-103	3mm
420-502-005	5mm	420-502-105	5mm
420-502-007	7mm	420-502-107	7mm
420-502-010	10mm	420-502-110	10mm
420-502-014	14mm	420-502-114	14mm
420-502-016	16mm	420-502-116	16mm
420-502-018	18mm	420-502-118	18mm

**TESSIER**  
Nasen Osteotom, 160 mm  
Nasal Osteotome, 6<sup>1/3</sup> inch



210-113-143	3mm
210-113-145	5mm
210-113-147	7mm
210-113-149	9mm

**TRAUTMANN**  
Hohlmeissel, 140 mm  
Gouge, 5<sup>1/2</sup> inch



210-240-180 240 g , Ø 30 mm  
**COTTLE**  
 Hammer, 1 Seite flach, 1 Seite konvex, 190 mm  
 Mallet, 1 side plain flat, 1 side convex, 7 1/2 inch



210-264-140 140 g , Ø 25 mm  
 Hammer, mit auswechselbaren Kunststoffbacken  
 Mallet, with interchangeable plastic disks

210-265-100  
 Ersatzbackenpaar, für Hammer 210-264-140  
 Pair of spare disks, for mallet 210-264-140



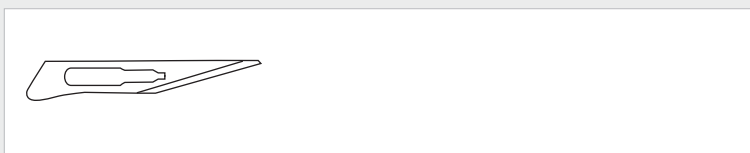
210-019-170 117 g , Ø 19 mm  
 Hammer, mit Kupferkopf, 170 mm  
 Mallet, with copper head, 6 3/4 inch



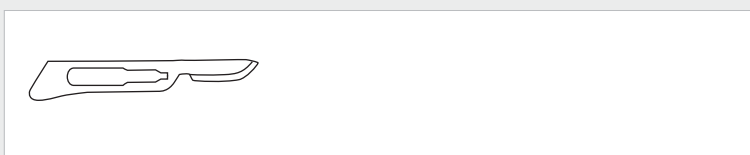
110-110-003  
 Skalpell Griff Nr. 3, 130 mm  
 Scalpel handle No.3, 5 1/8 inch



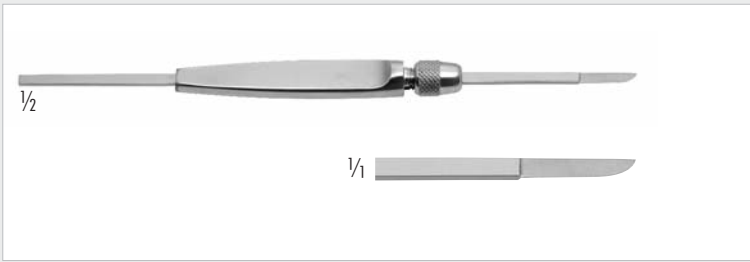
110-130-077  
 Skalpell Griff Nr. 7, 165mm  
 Scalpel handle No. 7, 6 1/2 inch



110-201-011  
 Skalpellklingen Fig 11, 100 Stück  
 Scalpel blades Fig. 11, 100 pieces



110-201-015  
 Skalpellklingen Fig. 15, 100 Stück  
 Scalpel blades Fig. 15, 100 pieces



420-213-160

**BRUENINGS**

Septummesser, 160 mm  
Septum knife, 6 1/4 inch

420-213-000

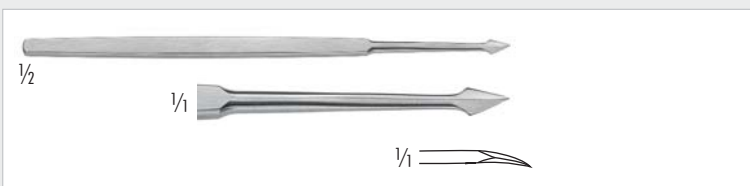
Ersatzklinge zu 420-216-160  
Spare blade for 420-216-160



420-213-140

**COTTLE**

Septummesser, abgerundete Kanten, 140 mm  
Septum knife, stiff blade with rounded edge, 5 1/2 inch



420-552-130

**MASING**

Knorpelritzmesser, in der Spitze gebogen, 130 mm  
Cartilage slitting knife, curved blade, pointed, 5 1/8 inch



420-205-160

**JOSEPH**

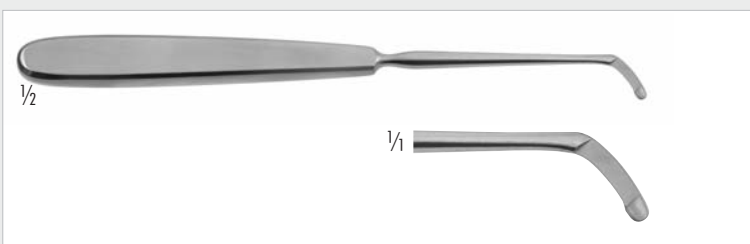
Plastikmesser, gerade, Spitze verrundet, 150 mm  
Button-end knife, straight, 6 inch



420-207-160

**CONVERSE**

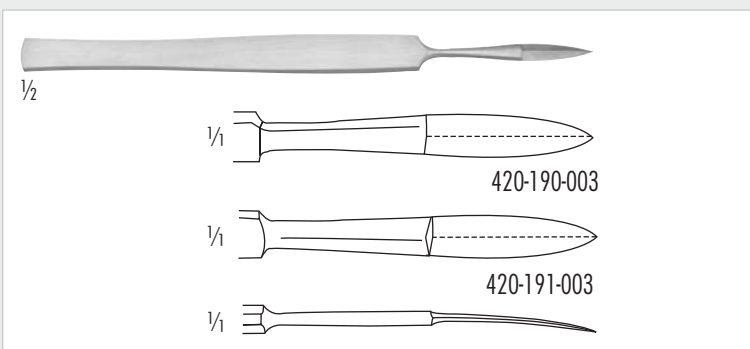
Plastikmesser, gebogen, Spitze verrundet, 160 mm  
Button-end knife, curved, 6 1/4 inch



420-209-175

**JOSEPH**

Zugmesser zum Abtragen von Knorpelvorsprüngen des Septums, 165 mm  
Button-end knife, angled for removal of septum cartilage, 6 1/2 inch



420-190-003 gerade/straight

420-191-003 gebogen/curved

**JOSEPH**

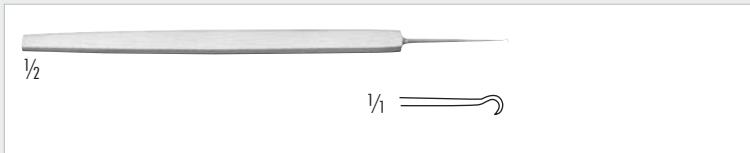
Plastikmesser mit doppelter Schneide, scharf, 160 mm  
Double-edge nasal knife, sharp, 6 1/4 inch



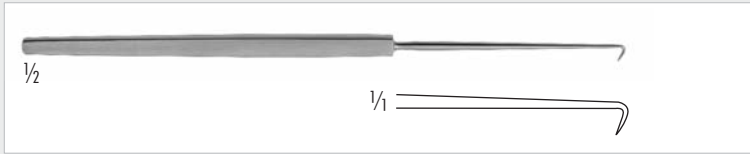
420-195-150

**FREER**

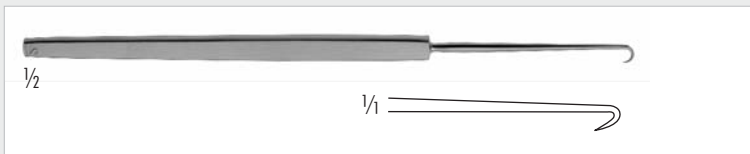
Mukosamesser, 150 mm  
Mucosa knife, 6 inch



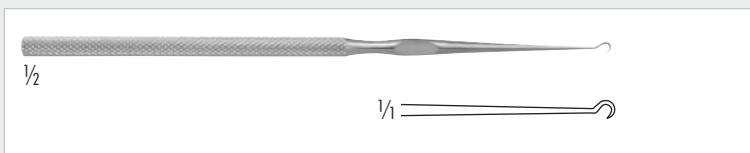
170-010-125  
**GRAEFE**  
 Hauthäkchen, scharf, 120 mm  
 Skin hook, sharp, 4 3/4 inch



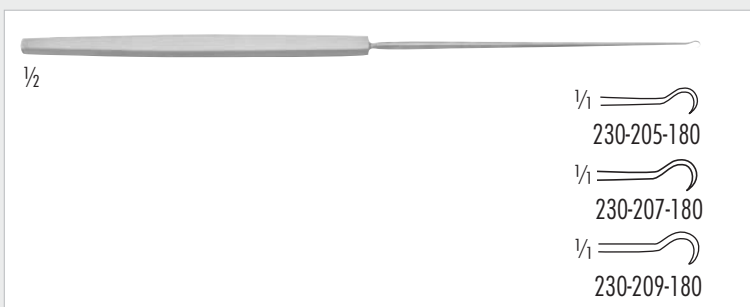
230-285-160  
**COTTLE**  
 Scharfes Sehnenhäkchen, 120° retrograd gebogen, 150 mm  
 Tenaculum hook, 120° retrograde curved, 6 inch



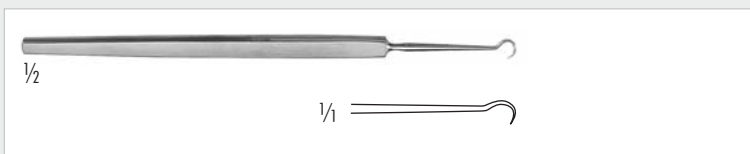
230-286-160  
**COTTLE**  
 Scharfes Sehnenhäkchen, 180° retrograd gebogen, 150 mm  
 Tenaculum hook, 180° retrograde curved, 6 inch



230-203-150  
**KILNER**  
 Hauthäkchen, scharf, 150 mm  
 Skin hook, sharp, 6 inch



230-205-180 klein/small  
 230-207-180 mittel/medium  
 230-209-180 groß/large  
**GILLIES**  
 Hauthäkchen, scharf, 180 mm  
 Skin hook, sharp, 7 inch



170-013-130 130 mm, 5 1/4 inch  
 170-013-180 180 mm, 7 inch  
**FRAZIER**  
 Hauthäkchen, scharf  
 Skin hook, sharp



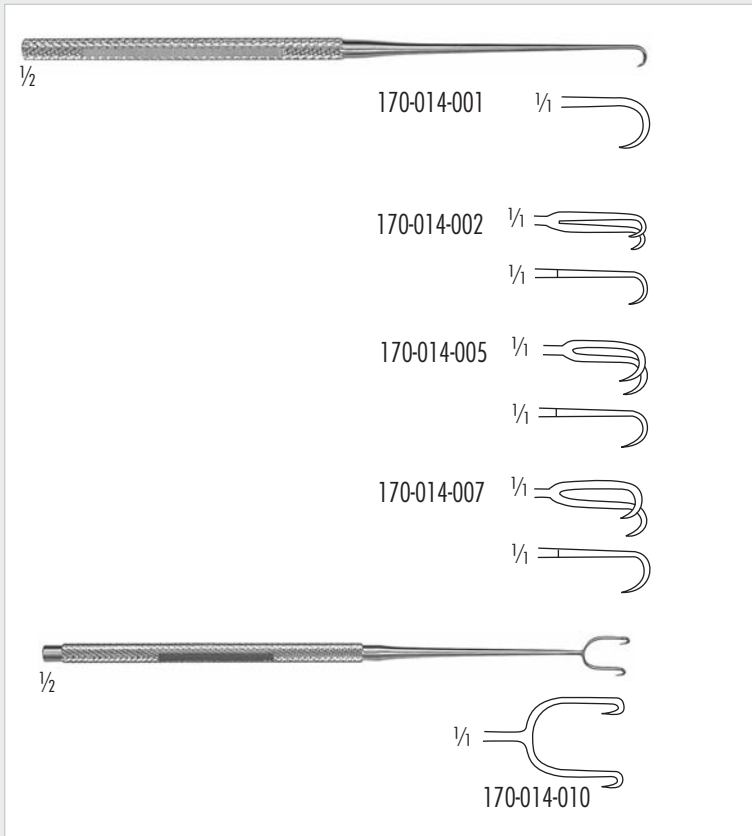
250-064-376  
**FISCH**  
 Hauthäkchen, 90° abgewinkelt, scharf, 190 mm  
 Skin hook, 90° angled, sharp, 7 1/2 inch



170-060-001 klein/small  
 170-060-002 groß/large  
**CUSHING**  
 Stumpfes Häkchen, 190 mm  
 Buttoned hook, 7 1/2 inch



170-042-130  
**GUTHRIE**  
 Hauthäkchen, Fig. 1, 120 mm  
 Skin hook, Fig. 1, 4 3/4 inch



170-014-001

**JOSEPH**

Hauthäkchen, scharf, 1 Zinken, 150 mm  
Skin hook, sharp, single prong, 6 inch

170-014-002 2 mm

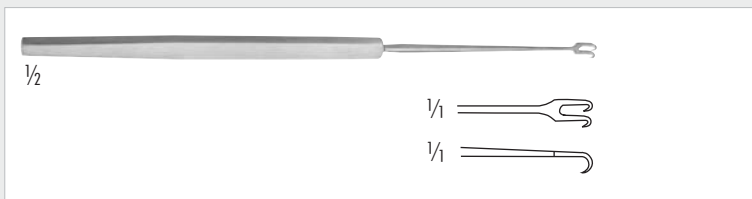
170-014-005 5 mm

170-014-007 7 mm

170-014-010 10 mm

**JOSEPH**

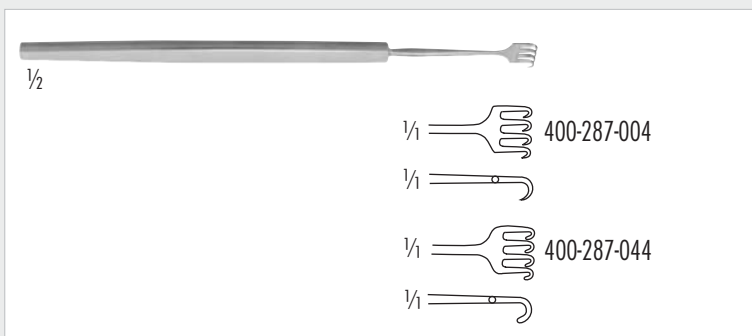
Hauthäkchen, 2 Zinken, scharf, 160 mm  
Skin hook, sharp, 2 prongs, 6 1/4 inch



230-220-001

**FREER**

Hauthäkchen, 2 Zinken, scharf, 150 mm  
Skin hook, 2 prongs, sharp, 6 inch

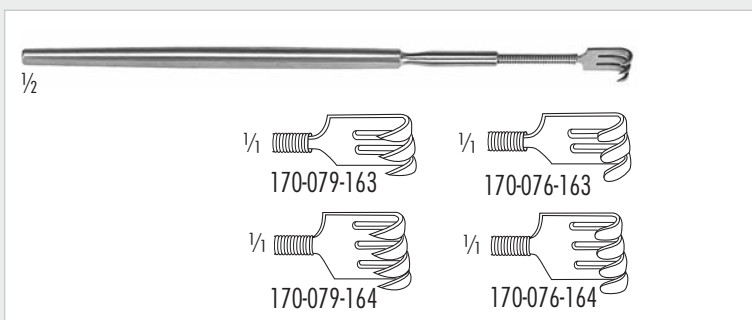


400-287-004 scharf/sharp

400-287-044 stumpf/blunt

**ROLLET**

Hauthäkchen, 4 Zinken, 135 mm  
Skin hook, 4 prongs, 5 1/4 inch



170-079-163 3 Zinken, scharf / 3 prongs, sharp

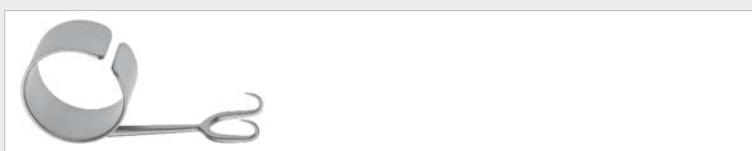
170-079-164 4 Zinken, stumpf / 4 prongs, blunt

170-076-163 3 Zinken, scharf / 3 prongs, sharp

170-076-164 4 Zinken, stumpf / 3 prongs, blunt

Feine Wundhaken mit flexibler Spitze, 160 mm

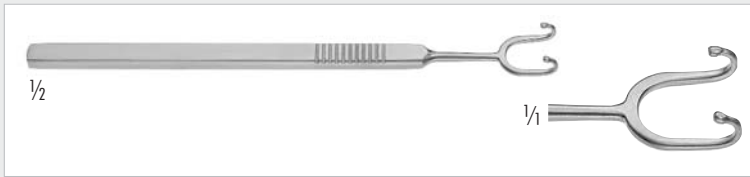
Fine hand held retractor with flexible tip, 6 1/4 inch



170-008-381

**COTTLE**

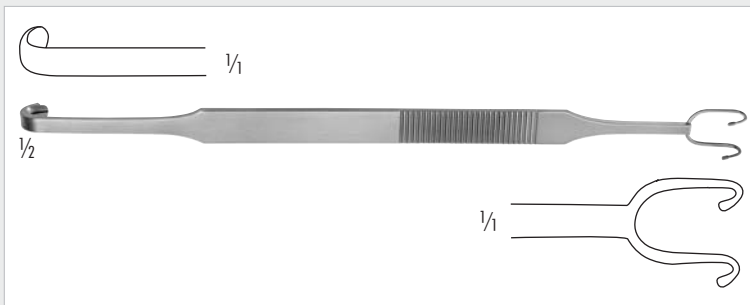
Wundhäkchen mit Ring, Arbeitslänge: 38 mm, scharf, 2-zahnig, 8 mm  
Thumb retractor, working length 1 1/2 inch, sharp, double hook, 8 mm wide



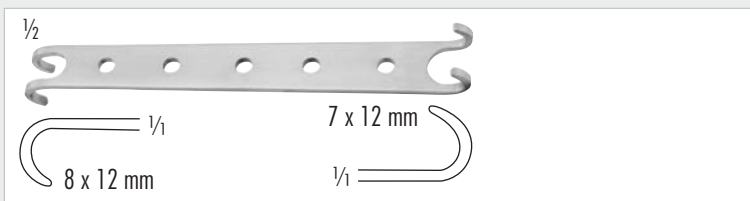
420-186-145  
**FOMON**  
 Nasenflügelretractor, 2 Zinken, stumpf/stumpf, 140 mm  
 Alar retractor, 2 prongs, blunt/blunt, 5 1/2 inch



230-281-140 stumpf/spitz, blunt/sharp  
 230-282-140 spitz/stumpf, sharp/blunt  
**COTTLE**  
 Nasenflügelretractor, 2 Zinken, 140 mm  
 Alar retractor, 2 prongs, 5 1/2 inch



230-260-200  
**COTTLE-NEIVERT**  
 Nasenflügelretractor, mit Säge- oder Messerführung,  
 2 Zinken, stumpf, 200 mm  
 Alar retractor, with saw and knife guide, 2 prongs, blunt, 8 inch



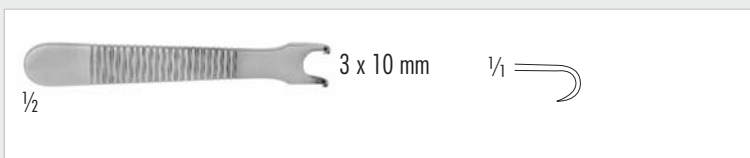
260-501-120  
**CONVERSE**  
 Alar-Doppelhaken, 2 Zinken, stumpf/stumpf, 120 mm  
 Alar retractor, double-ended, 2 prongs, blunt/blunt, 4 3/4 inch



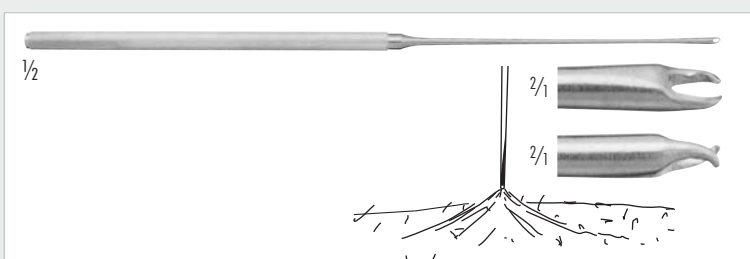
420-187-155 sharp  
 420-187-255 blunt  
**RUBIN**  
 Haken, 7mm lang, 5,5mm breit  
 Hook, 7mm length, 5.5mm wide



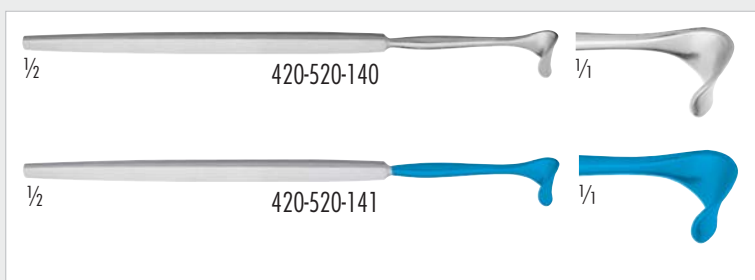
420-524-150  
**COTTLE**  
 Alar Retraktor mit Lippe, 150 mm  
 Alar retractor with lip, 6 inch



420-184-100 spitz/spitz / sharp/sharp  
 420-185-100 stumpf/stumpf / blunt/blunt  
**KILNER**  
 Nasenflügelretractor, 2 Zinken, 85 mm  
 Alar retractor, 2 prongs, 3 1/4 inch



250-064-392 Ø 1,8 mm  
 Hautkralle mit Schutzkappe, 185 mm  
 Skin picks with protection cap, 7 1/4 inch



420-520-140 6x12 mm  
 420-520-141 6x12 mm, **isoliert/insulated**  
**MASING**  
 420-523-140 10x12 mm  
 420-523-141 10x12 mm; **isoliert/insulated**  
**COTTLE**

Alar Retraktor, 140 mm  
 Alar retractor; 5 1/2 inch

420-256-135

**WALTER**

Doppelhaken, eine Seite mit 2 stumpfen Haken, eine Seite mit stumpfen Blatt  
 Double-ended retractor, one end 2 blunt prongs and one with blade



420-260-005 5mm + 42x7mm  
 420-260-008 8mm + 38x7mm  
 420-260-013 13mm + 38x7mm  
 420-260-113 13mm + 42x10mm

**AUFRICHT**

Doppelendiger Nasenhaken, stumpf  
 Double-ended nasal retractor, blunt



420-250-160 10x45 mm Blatt/blade  
 420-251-160 10x30 mm Blatt/blade

**AUFRICHT**

Nasenretraktor, 160 mm  
 Nasal retractor, 6 1/4 inch



420-057-160

**DEVINE-MILLARD-AUFRICHT**

Nasenretraktor, 10 x 45 mm Blatt, 180 mm  
 Nasal retractor, 10 x 45 mm blade, 7 inch

420-257-160

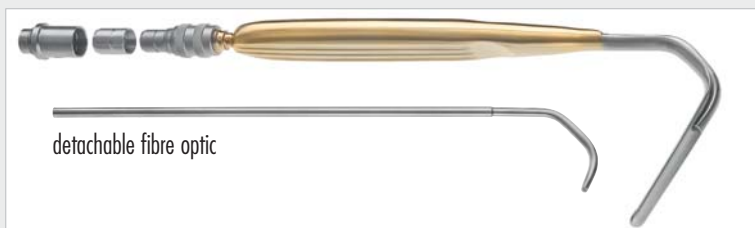
Dito, mit KL-Anschluß  
 Same, with fibre optic



420-255-160

**AUFRICHT**

Nasenretraktor, mit Kaltlicht, 120°, 45 mm Blatt, 160 mm  
 Nasal retractor, with fibre optic, 120°, 45 mm blade, 6 1/4 inch



420-652-100

420-752-100 mit Kaltlichtträger/with fibre optic light carrier

**MALINIAC**

Nasenretraktor, 9 x 45 mm, 100 mm  
 Nasal retractor, 9 x 45 mm, 4 inch

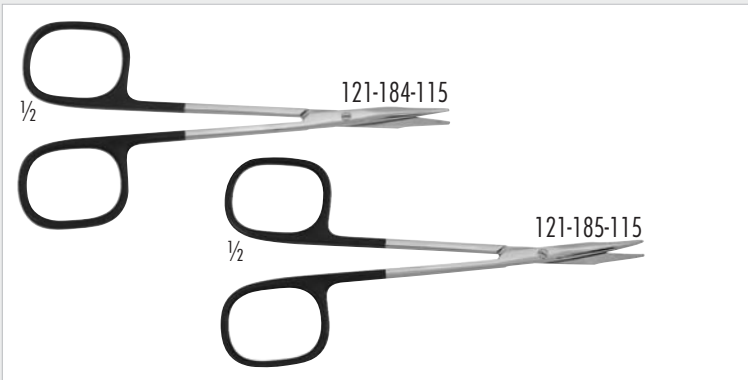


420-236-110 11 x 44 mm

**CONVERSE**

Nasenretraktor, mit Kaltlicht, 110 mm  
 Nasal retractor, with fibre optic, 4 1/3 inch



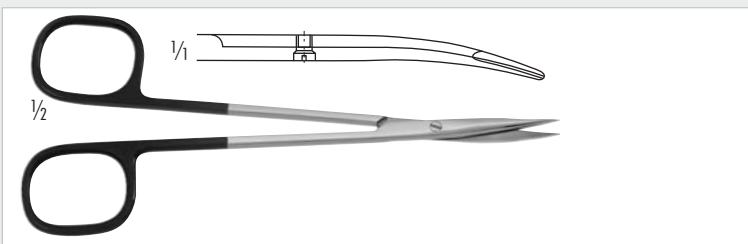


- 121-182-115 spitz/gerade / sharp/straight
- 121-183-115 spitz/gebogen / sharp/curved
- 121-184-115 stumpf/gerade / blunt/straight
- 121-185-115 stumpf/gebogen / blunt/curved

**STEVENS**

**Super-Cut** Präparierscheren, mit eckigen Ringen, 115 mm

**Super-Cut** Dissecting scissors, with square rings, 4 1/2 inch



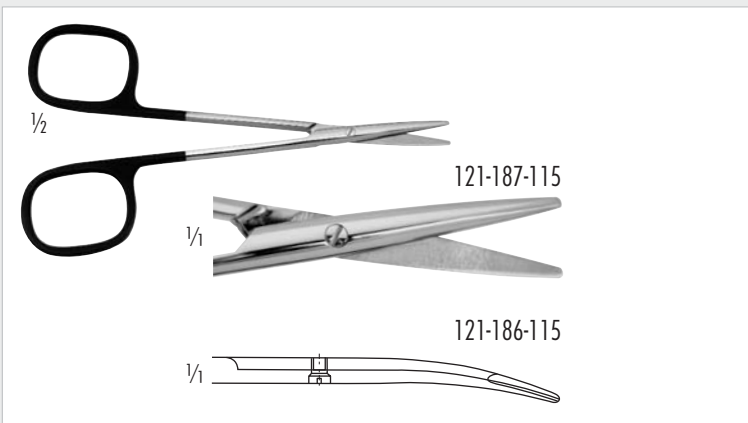
121-191-140 gebogen/curved

121-190-140 gerade/straight

**REYNOLDS-JAMESON**

**Super-Cut** Gefäß-Schere, mit eckigen Ringen, 140 mm

**Super-Cut** Vessel scissors, with square rings, 5 1/2 inch

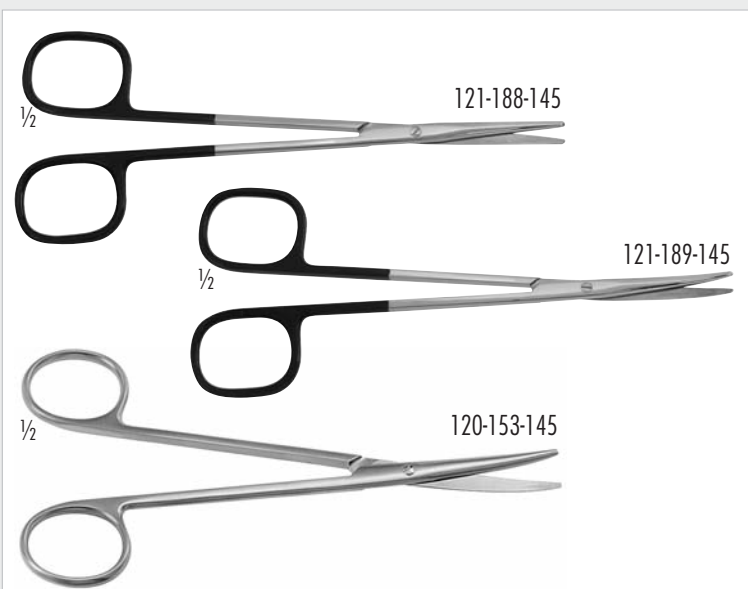


121-187-115 gerade / straight

121-186-115 gebogen / curved

**Super-Cut** Präparierscheren, mit eckigen Ringen, 115 mm

**Super-Cut** Dissecting scissors, with square rings, 4 1/2 inch



121-188-145 gerade / straight

121-189-145 gebogen / curved

**METZENBAUM**

**Super-Cut** Präparierscheren, mit eckigen Ringen, 145 mm

**Super-Cut** Dissecting scissors, with square rings, 5 3/4 inch

120-153-145

**METZENBAUM**

Präparierscheren, feines Modell, gebogen, 145 mm

Dissecting scissors, delicate pattern, curved, 5 3/4 inch

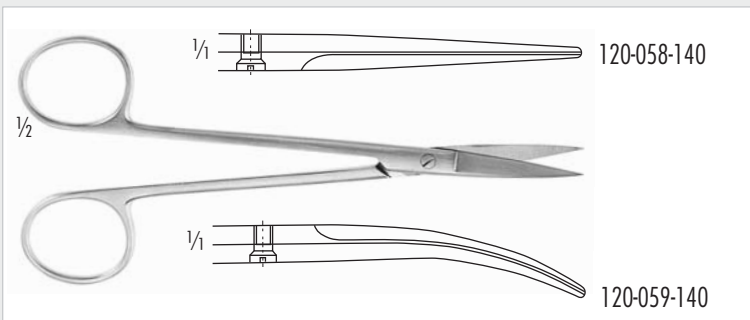




120-967-130 gebogen/curved  
120-966-130 gerade/straight

**GOLDMAN FOX**

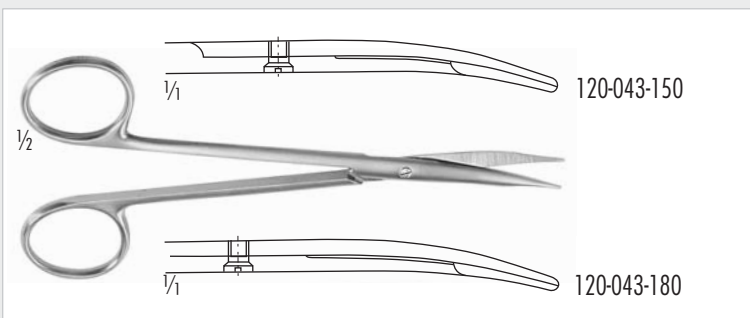
TC Sehnenschere, eine Schneide gezahnt, 130 mm  
TC Tendon scissors, one blade serrated, 5 1/8 inch



120-058-140 gerade / straight  
120-059-140 gebogen / curved

**JOSEPH**

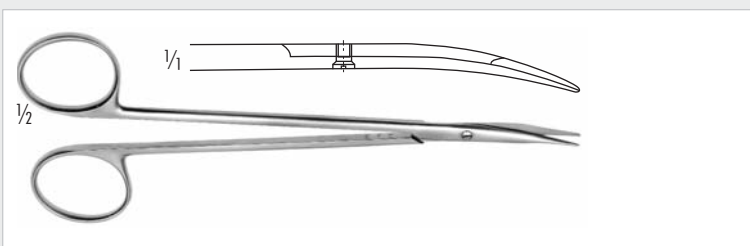
Plastischschere, spitz/spitz, 150 mm  
Plastic scissors, sharp/sharp, 6 inch



120-043-150 145 mm, 5 3/4 inch  
120-043-180 175 mm, 7 inch

**REYNOLDS**

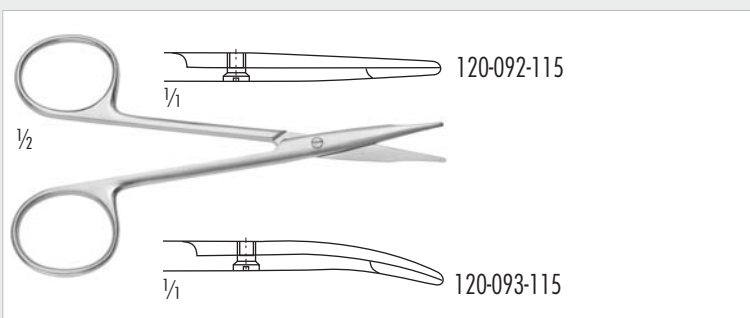
Präparierschere, delikat, stumpf/stumpf, gebogen  
Dissecting scissors, delicate, blunt/blunt, curved



120-315-150

**JAMESON**

Präparierschere, delikat, stumpf/stumpf, gebogen, 150 mm  
Dissecting scissors, delicate, blunt/blunt, curved, 6 inch

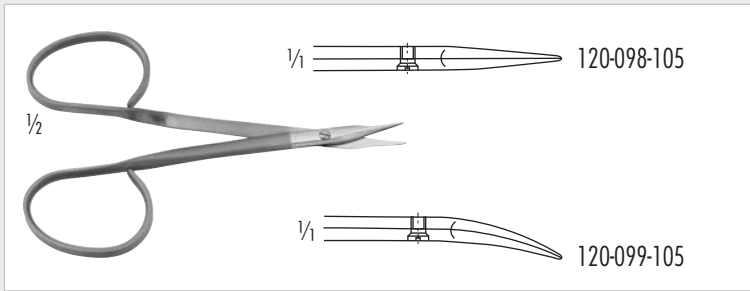


120-092-115 gerade, stumpf/stumpf  
straight, blunt/blunt

120-093-115 gebogen, stumpf/stumpf  
curved, blunt/blunt

**STEVENS**

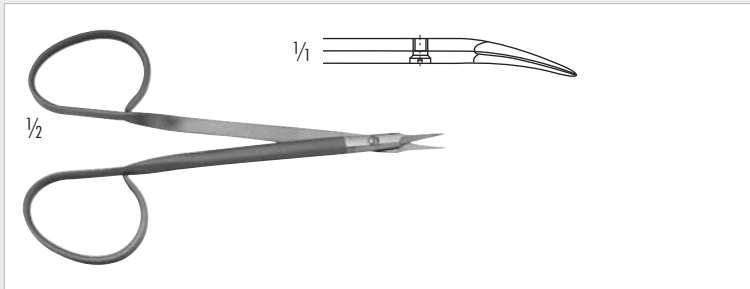
Gefäß- und Sehnenschere, 110 mm  
Vessel and tendon scissors, 4 3/8 inch



120-098-105 gerade / straight  
120-099-105 gebogen / curved

**STEVENS**

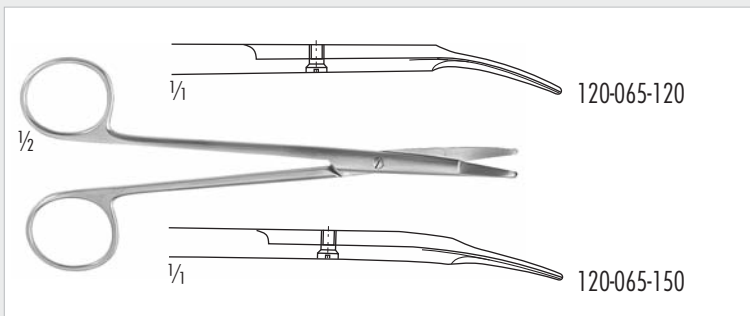
Gefäß- und Sehnenschere, spitz, mit offenem Ring, 100 mm  
Vessel and tendon scissors, sharp, with Ribbon handle, 4 inch



120-398-120

**STEVENS**

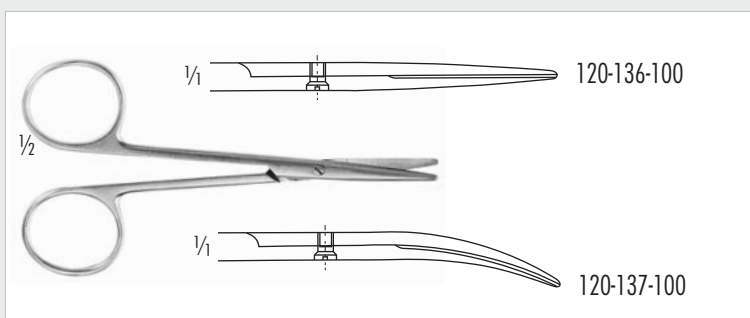
Besonders feine Präparierschere, spitz, leichtes Modell mit offenem Ring, 110 mm  
Dissecting scissors, delicate, sharp, light pattern with Ribbon handle, 4 3/8 inch



120-065-120 125 mm, 5 inch  
120-065-150 150 mm, 6 inch

**KILNER**

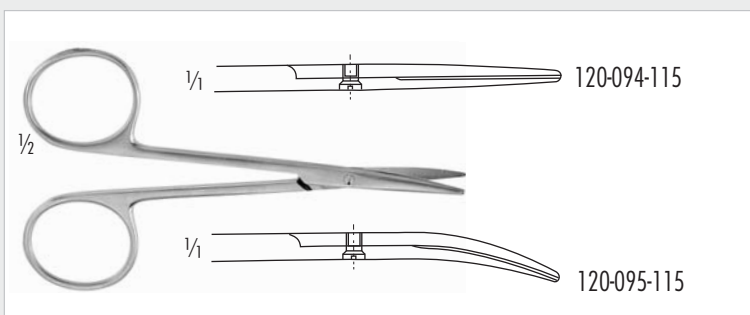
Präparierschere, mit stark abgeflachten Blättern, gebogen, stumpf/stumpf  
Dissecting scissors, with bevelled blade, curved, blunt/blunt



120-136-100 gerade / straight  
120-137-100 gebogen / curved

**COTTLE-KNAPP**

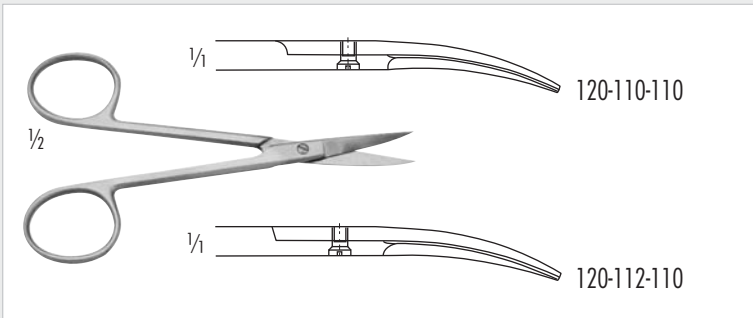
Plastikschere, stumpf/stumpf, 105 mm  
Plastic scissors, blunt/blunt, 4 1/8 inch



120-094-115 gerade / straight  
120-095-115 gebogen / curved

**STRABISMUS**

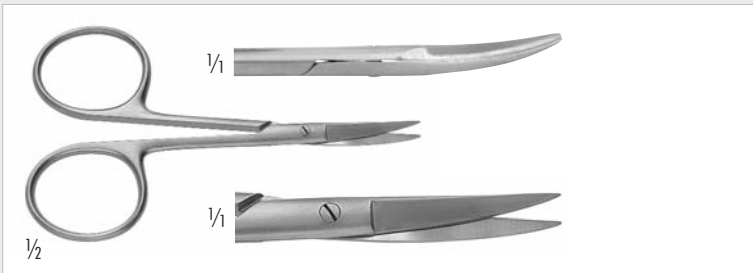
Präparierschere, 115 mm  
Dissecting scissors, 4 1/2 inch



120-110-110 spitz/spitz / sharp/sharp  
 120-112-110 stumpf/stumpf / blunt/blunt

**COTTLE-MASING**

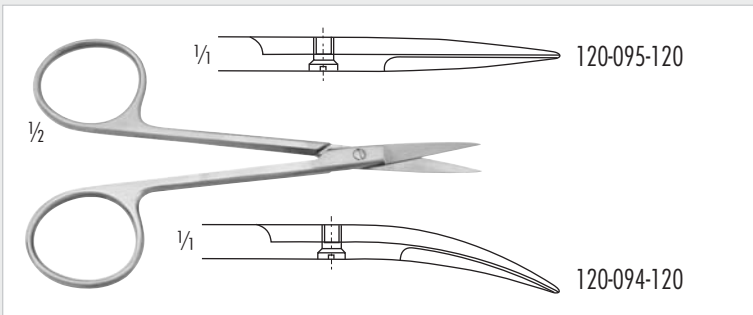
Nasenplastikschere, gebogen, 105 mm  
 Nasal plastic scissors, curved, 4 1/8 inch



120-081-100

**121-081-100 Super Cut**

Iris Schere, gebogen, mit großen Ringen, 100 mm  
 Iris scissors, curved, with large handle, 4 inch

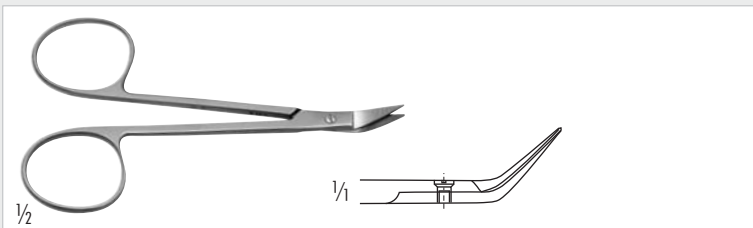


120-095-120 gerade/straight

120-094-120 gebogen/curved

Feine Schere, 115 mm

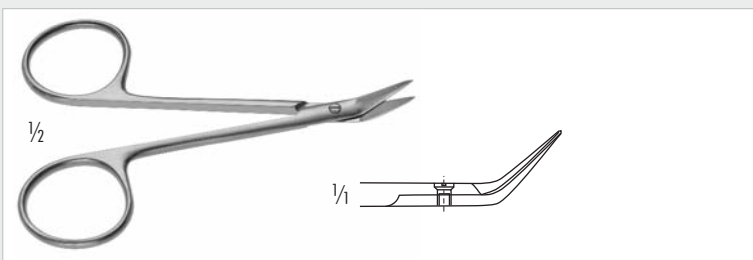
Delicate scissors, 4 1/2 inch



120-411-090

**DANIELS**

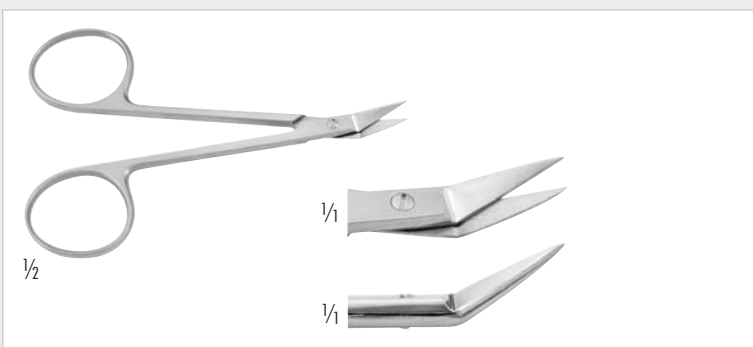
Präparierschere, 40° abgewinkelt, 90 mm  
 Dissecting scissors, 40° angled, 3 1/2 inch



120-411-105

**BIRO**

Schere, abgewinkelte Schneide, rundes Maul, 105 mm  
 Scissors, angled blades, round shape, 4 inch

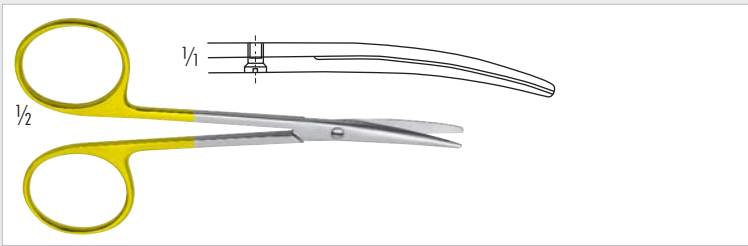


120-511-100

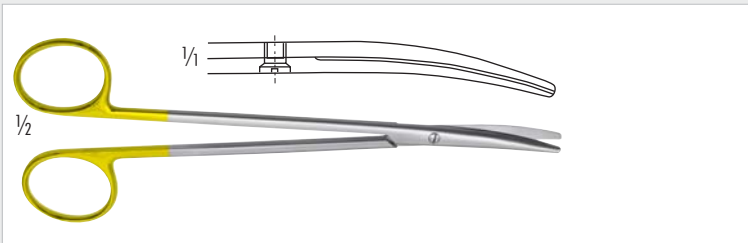
121-511-100 **Super Cut**

**CONVERSE**

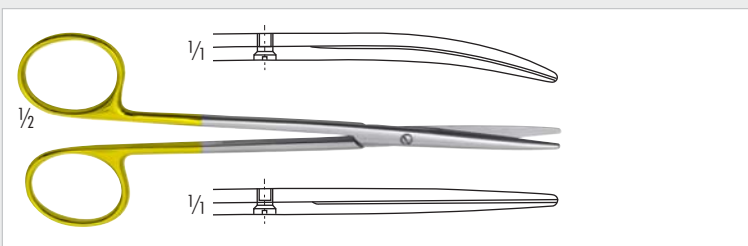
Nasenschere, aufgewinkelte Blätter, spitz/spitz, 104 mm  
 Nasal scissors, angled up blades, sharp/sharp, 4 1/8 inch



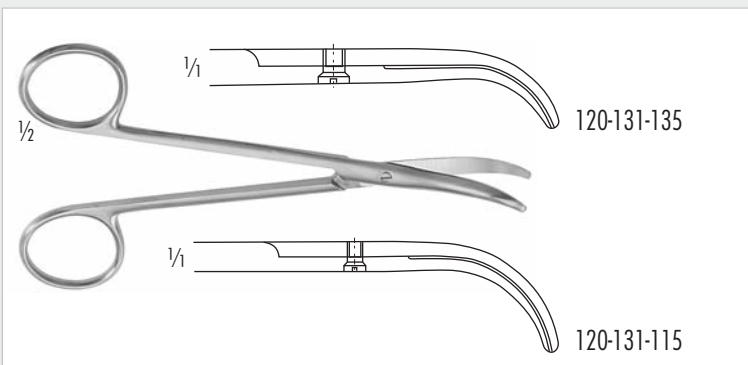
120-595-115  
**BABY-METZENBAUM**  
 TC Präparierschere, gebogen, 115 mm  
 TC Dissecting scissors, curved, 4 1/2 inch



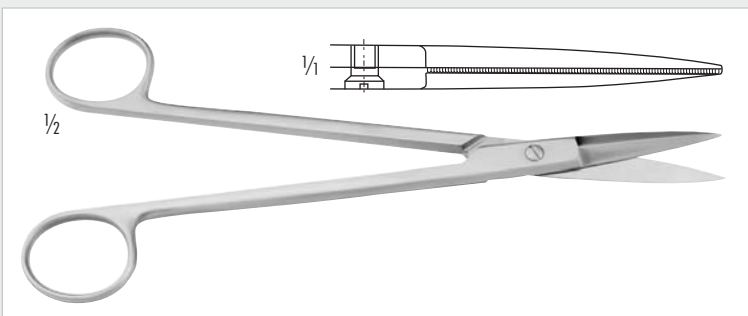
120-511-145  
**METZENBAUM**  
 TC Präparierschere, Fig 1, gebogen, 145 mm  
 TC Dissecting scissors, Fig. 1, curved, 5 3/4 inch



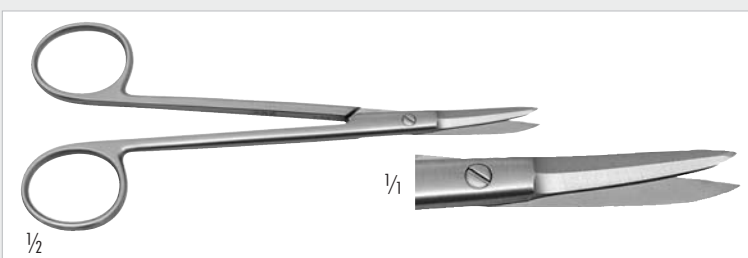
120-521-145 gebogen/curved  
 120-520-145 gerade/straight  
**METZENBAUM-FINO**  
 TC Präparierschere, stumpf, 145 mm  
 TC Dissecting scissors, blunt, 5 3/4 inch



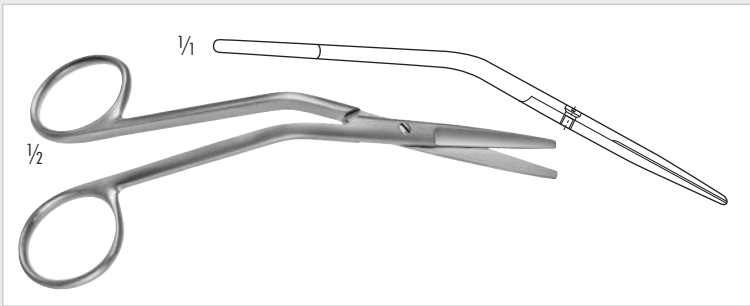
120-131-115 115 mm, 4 1/2 inch  
 120-131-135 135 mm, 5 1/4 inch  
**FOMON**  
 Nasenflügelschere, stark gebogen  
 Lower lateral scissors, strongly curved



120-190-190  
**MC INDOE**  
 Knorpelschere, mit außen schneidenden Blättern,  
 spitz/spitz, gerade, gezahnt, 185 mm  
 Cartilage scissors, straight, serrated blades. Blades: cutting  
 on both sides, sharp/sharp, 7 1/4 inch



120-281-110 stumpf, 110mm/pointed, 4 3/4 inch  
 120-281-130 spitz, 130mm/pointed, 5 inch  
**BEUSE**  
 Nasenschere, leicht gebogen  
 Nasal Scissors, slightly curved

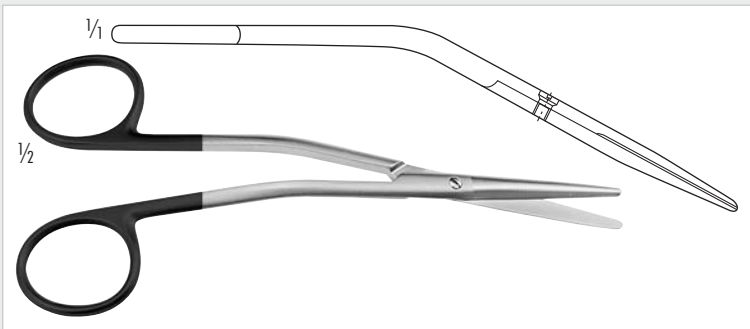


120-280-150

**FOMON**

Nasenschere, beide Schneiden gezahnt, kniegebogen, stumpf/stumpf, 145 mm

Dorsal scissors, straight, serrated blades, knee bent, blunt/blunt, 5 3/4 inch



121-280-145

**FOMON**

SC Nasenschere, kniegebogen, ein gezahntes Blatt, 145 mm

SC Dorsal scissors, knee bent, one serrated blade, 5 3/4 inch



120-281-160

121-281-160 **Super-Cut**

120-581-160 **TC**

**COTTLE**

Nasenschere, kniegebogen, stumpf/stumpf, 165 mm

Dorsal scissors, straight blades, knee bent, blunt/blunt, 6 1/2 inch

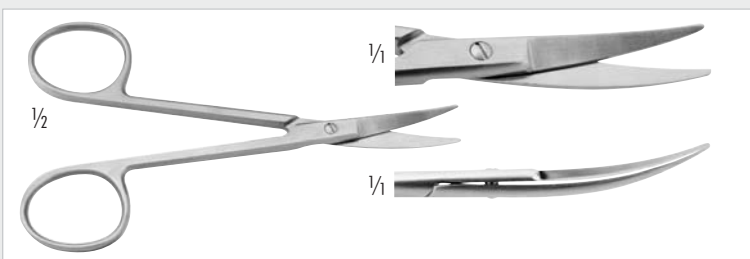


120-585-180

**KNIGHT**

TC Nasenschere, 180 mm

TC Nasal Scissors, 7 inch

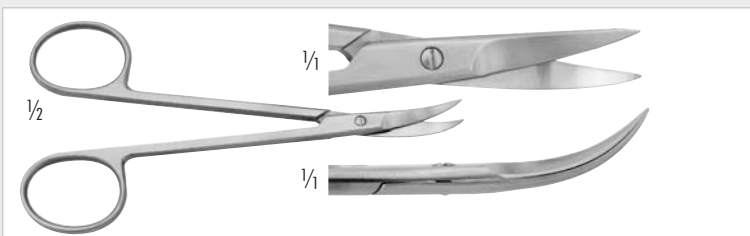


120-379-115

**COTTLE**

Bulldog-Schere, stumpf/stumpf, 115 mm

Bulldog scissors, blunt/blunt, 4 1/2 inch



120-053-115

**CHADWICK**

Schere, gebogen, spitz, 115 mm

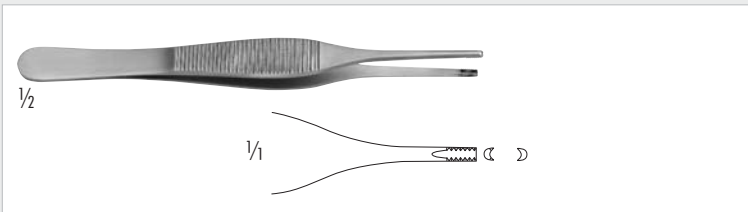
Scissors, curved, sharp, 4 1/2 inch



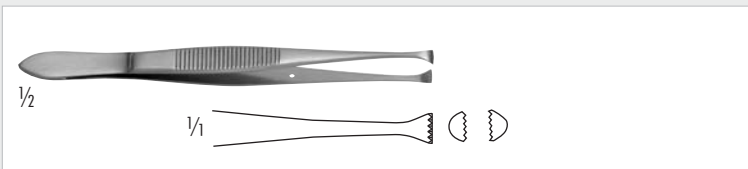
420-730-085  
**COTTLE**  
Columella-Pinzette für Kinder, mit Stellschraube  
Columella clamp for children, with adjusting screw



420-730-100  
**COTTLE**  
Columella-Pinzette, mit feststehenden Fixierrollen und Stellschraube, 100 mm  
Columella clamp, with fixation bearings and adjusting screw, 4 inch



130-552-120 120mm, 4 3/4 inch  
130-552-150 150mm, 6 inch  
**ADSON-BRAUN**  
Wundrandpinzette, 7x7 Zähne  
Tissue forceps, 7x7 teeth



400-025-110  
**GRAEFE**  
Hautfaspinzette, mit scharfen Zähnen, 110 mm  
Tissue forceps, with sharp teeth, 4 3/8 inch



130-558-150  
**GLANZ**  
Pinzette atraumatisch, 150 mm  
Atraumatic tissue forceps, 6 inch



420-732-155  
**COTTLE**  
Fixierpinzette, mit Stellschraube, bajonettförmig, gerieft mit Zähnen, 155 mm  
Lower lateral forceps, with adjusting screws, bayonet shaped, serrated with teeth, 6 inch



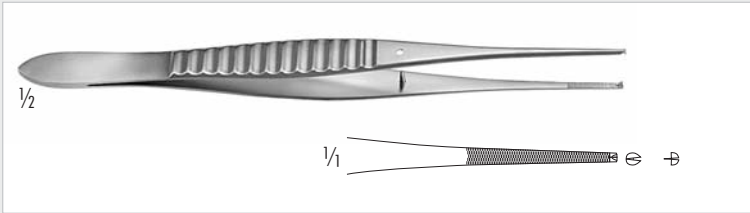
290-552-160  
**DEBAKEY**  
Atraumatische Pinzette, gerade, 2 mm Spitze, 160 mm  
Atraumatic forceps, straight, 2 mm tip, 6 1/4 inch



420-733-155  
**MICRO-ADSON-BIEMER**  
Chirurgische Pinzette, 5 x 6 Zähne, bajonettförmig, 155 mm  
Tissue forceps, 5 x 6 teeth, bayonet shaped, 6 inch



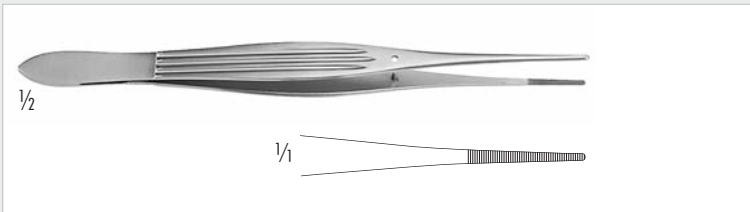
410-247-165  
**SHEEN**  
Nasenpinzette mit 6mm Löffel, bajonett gebogen, 165mm  
Nasal Forceps with 6mm spoon, bayonet shape, 6 1/2 inch



130-120-150

**GILLIES**

Chirurgische Pinzette, 1 x 2 Zähne, 160 mm  
Tissue forceps, 1 x 2 teeth, 6 1/4 inch



130-028-150

**MC INDOE**

Anatomische Pinzette, 150 mm  
Dissecting forceps, 6 inch

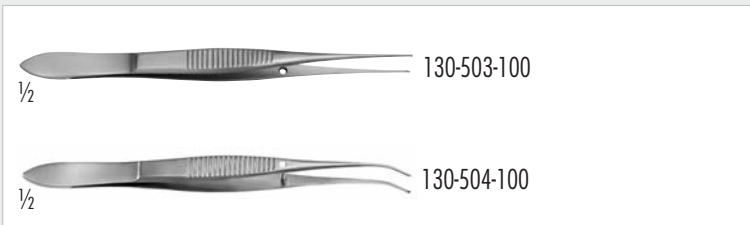


130-500-100 gerade/straight

130-501-100 gebogen/curved

**GRAEFE**

Feine anatomische Pinzette, 100 mm  
Delicate dressing forceps, 4 inch



130-503-100 gerade/straight

130-504-100 gebogen/curved

**GRAEFE**

Chirurgische Pinzette, 1 x 2 Zähne, 100 mm  
Tissue forceps, 1 x 2 teeth, 4 inch



130-144-125

**SEMKEN**

Anatomische Pinzette, 125 mm  
Dressing forceps, 5 inch



130-145-125

**SEMKEN**

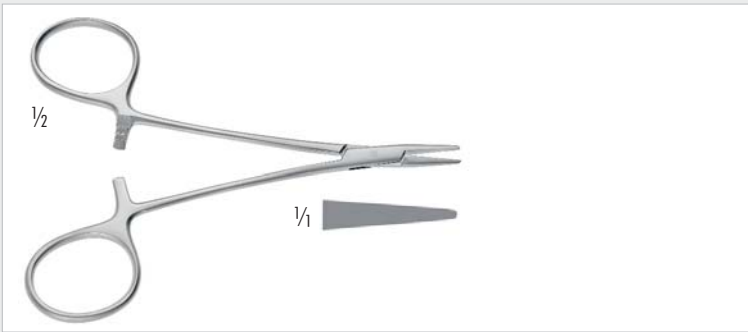
Chirurgische Pinzette, 1 x 2 Zähne, 125 mm  
Tissue forceps, 1 x 2 teeth, 5 inch



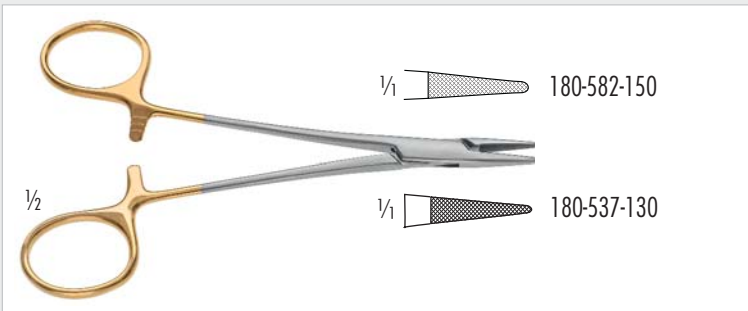
400-137-050

**CASTROVIEJO**

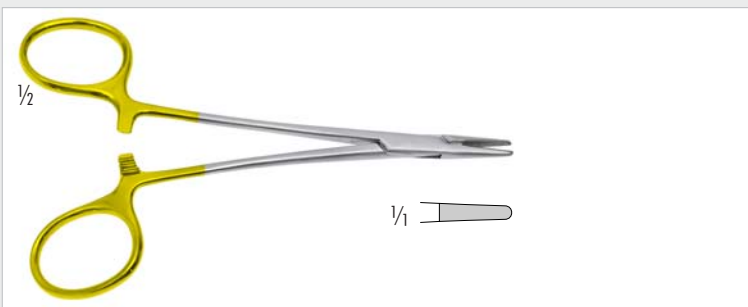
Nahtpinzette mit Fadenplatte, 0,5 mm, 1 x 2 Zähne, 100 mm  
Suture forceps with tying platform, 0.5 mm, 1 x 2 teeth, 4 inch



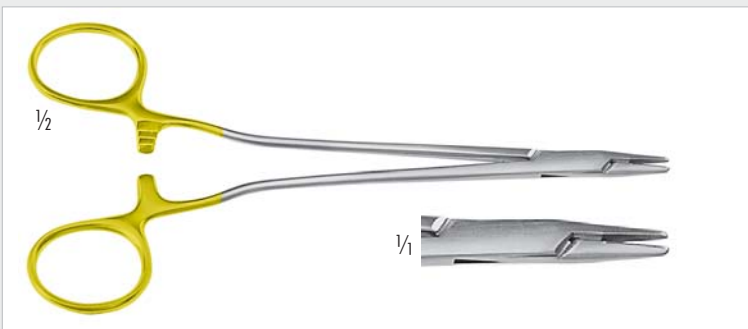
180-318-110  
**WEBSTER**  
 Nadelhalter, sehr fein, glattes Maul, 110 mm  
 Needle holder, very delicate, smooth jaw, 4 1/4 inch



180-542-150  
**BABY-CRILE-WOOD**  
 TC Nadelhalter, 150 mm  
 TC Needle holder, 6 inch



180-537-130  
**HALSEY**  
 TC Nadelhalter, 130 mm  
 TC Needle holder, 5 1/8 inch



180-533-130  
**NEIVERT**  
 TC Nadelhalter, 130 mm  
 TC Needle holder, 5 1/8 inch



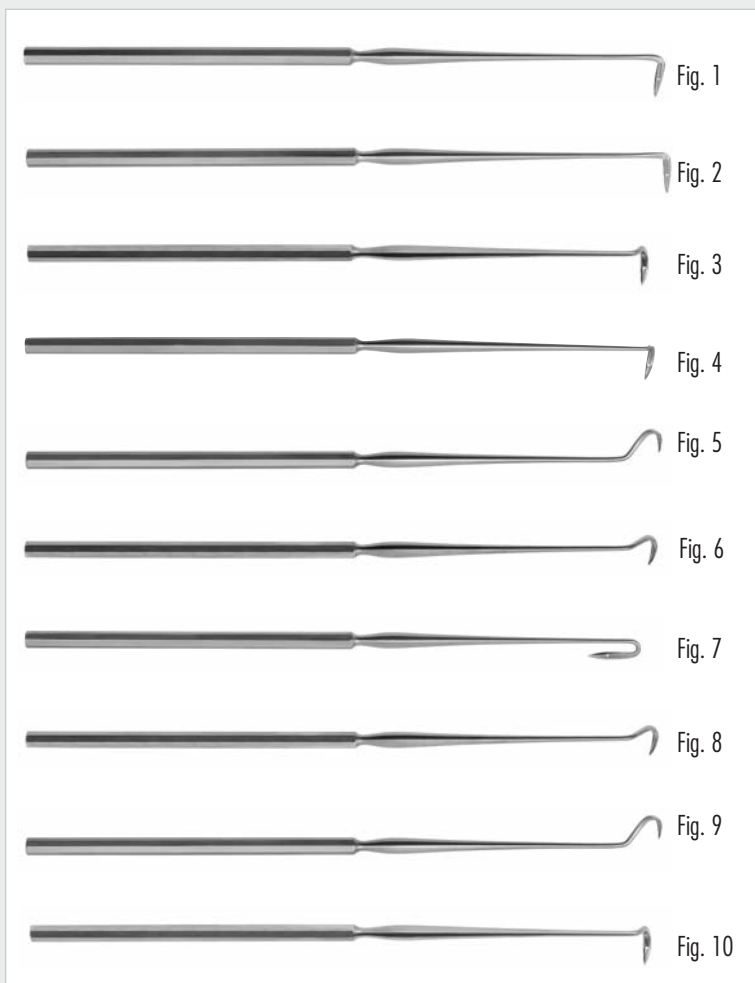
180-531-150 150 mm/6 inch  
 180-531-170 170 mm/6 3/4 inch  
**SENNING**  
 TC Nadelhalter, durch seine schlanke Form besonders für tiefe Nähte bei rhinoplastischen Operationen geeignet, 170 mm  
 TC Needle holder, used for suturing in rhinoplastic surgery, 6 3/4 inch



180-588-150  
**MINI-GILLIES**  
 TC Nadelhalter, 150 mm  
 TC Needle holder, 6 inch

250-264-246  
**JACOBSON**  
 Mikro Nadelhalter, Rundgriff, gerade, mit Sperre, diamantiertes Maul, 185 mm  
 Micro Needle holder, round handle, straight, with catch, diamond dusted jaws, 7 1/4 inch





- 420-555-001 Fig. 1
- 420-555-002 Fig. 2
- 420-555-003 Fig. 3
- 420-555-004 Fig. 4
- 420-555-005 Fig. 5
- 420-555-006 Fig. 6
- 420-555-007 Fig. 7
- 420-555-008 Fig. 8
- 420-555-009 Fig. 9
- 420-555-010 Fig. 10

**YANKAUER**

Septumnadel, 200 mm  
Septum needle, 8 inch



420-390-200

Knorpelritzzange mit abnehmbarem einseitigem Schutz für rechts und links sowie ohne Schutz für ein gleichzeitiges Einritzen beider Knorpelseiten, 200 mm  
Cartilage morcelizer forceps with removable guard, converts cartilage into a membranous-like structure, permitting repositioning of the septum to midline, 8 inch



420-189-210

**GOLDMANN**

Nasenfrakturaufrichter, runde Form, 200 mm  
Septum elevator, round (displacer), 8 inch



1/2

420-557-170

**BOIES**

Elevator zur Reposition von Nasenbeinbrüchen, 170 mm  
Elevator for septum repositioning, 6 3/4 inch

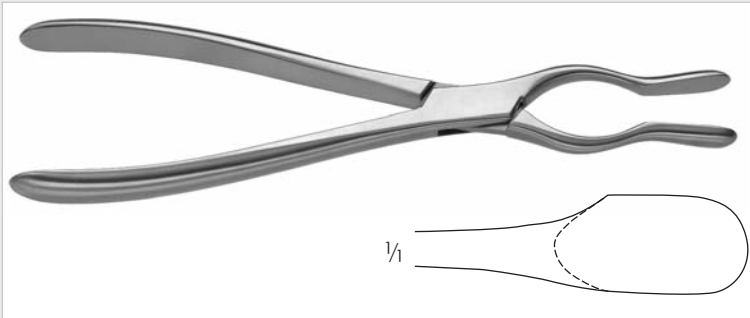


1/2

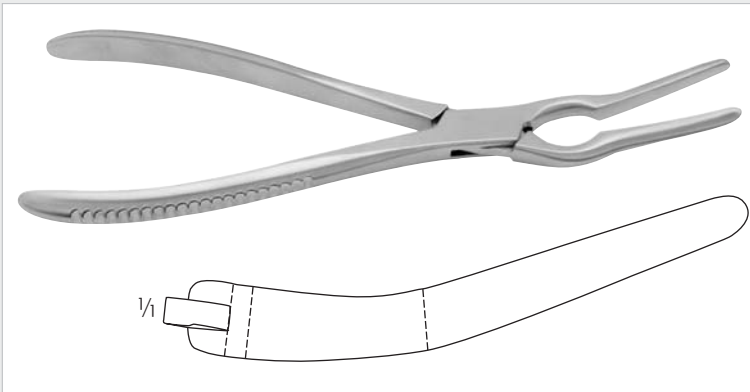
420-555-195

**BOIES**

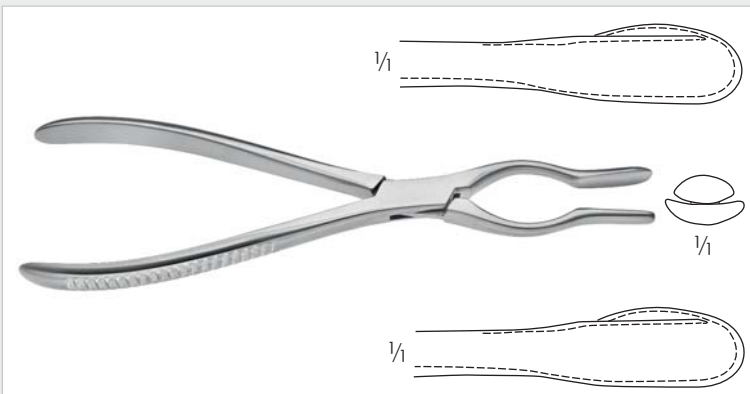
Nasenfrakturelevator, 9 mm breite Spitze, 195 mm  
Nasal fracture elevator, 9 mm wide tip, 7 3/4 inch



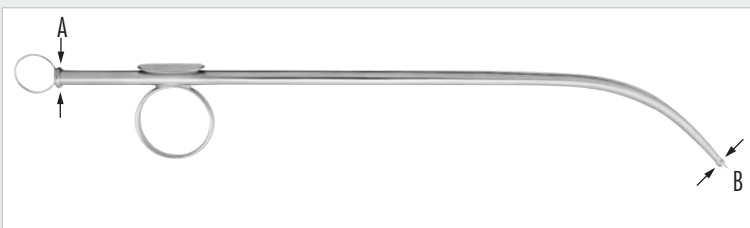
420-450-230  
**COTTLE-WALSHAM**  
 Septumrichtzange mit aseptischem Schluß, 220 mm  
 Septum straightening forceps, with aseptic lock, 8 3/4 inch



420-455-230  
**ASH**  
 Septumrichtzange, 220 mm  
 Septum straightening forceps, 8 3/4 inch

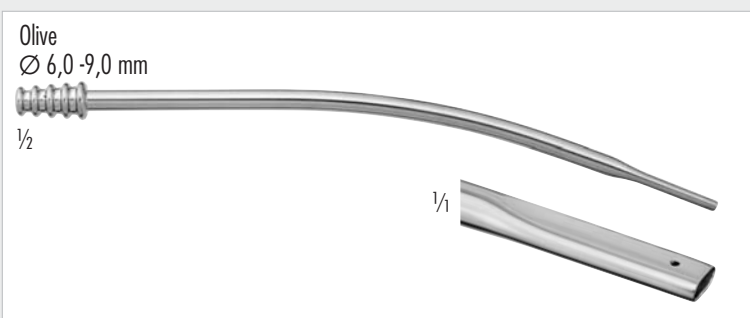


420-452-230 für rechts/right  
 420-451-230 für links/left  
**WALSHAM**  
 Septumrichtzange, 210 mm  
 Septum straightening forceps, 8 1/4 inch

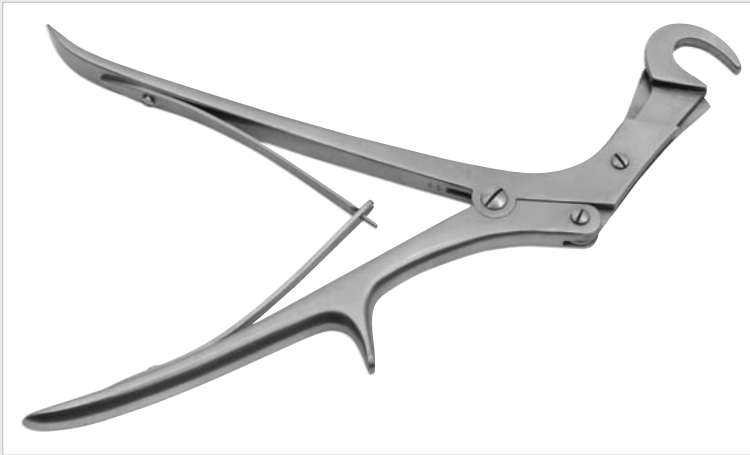


	Ø A	Ø B
410-404-030	3,6 mm	3,0 mm
410-404-035	4,0 mm	3,5 mm
410-404-040	4,5 mm	4,0 mm

**MAGILL**  
 Saugkanülen, 245 mm  
 Suction tube, 9 3/4 inch



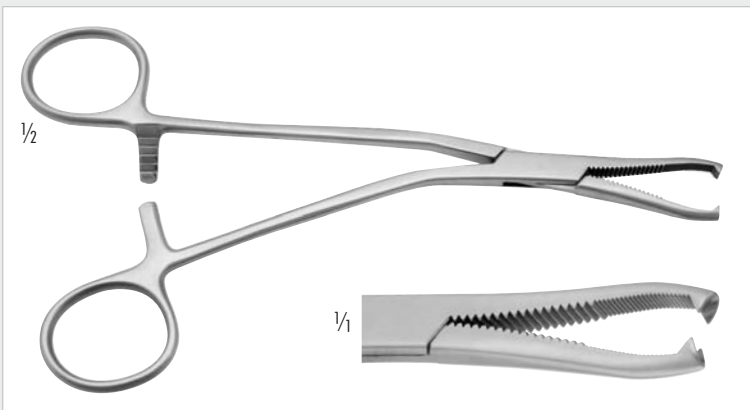
165-064-160 Ø 5 mm  
 Nasensaugrohr, LUER-Bohrung, Spitze 6,5 mm breit, 180 mm  
 Nasal suction tube, with LUER, tip 6,5 mm wide, 7 inch



290-137-270

**GIERTZ-STILLE**

Rippenschere, mit Doppelübersetzung, 250 mm  
Rib shear, double action, 10 inch



210-626-190

**DINGMANN**

Knochenhaltezange, 185 mm  
Bone holding forceps, 7 1/4 inch

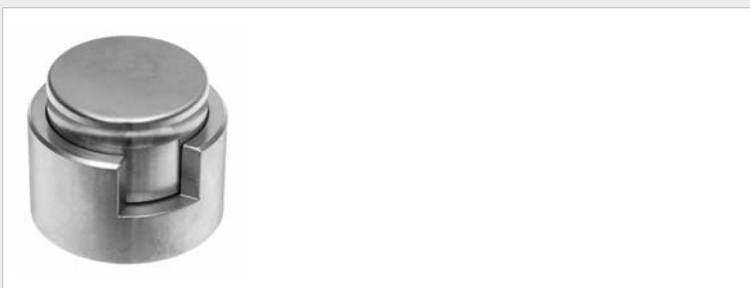


420-365-000 28mm breit/28mm wide

420-365-050 50mm breit/50mm wide

**COTTLE**

Knochen-Knorpelquetsche mit Metallklammer, zum Entnehmen der Knochen-Knorpeltrümmer  
Bone crusher, for preparation of cartilage implant material, complete with clamp



420-366-000

**TOLSDORF**

Knorpelquetsche, Innenteil gezahnt, Außenteil innen glatt  
Bone crusher, inner part serrated, outer part bottom plain



420-367-000

85 x 55 mm

Kunststoffplatte, zur Bearbeitung der Knochentransplantate, dampfsterilisierbar

Plastic plate, for preparation of bone grafts, autoclavable



- 230-202-000 gerade/straight
- 230-202-001 bajonettförmig, links gebogen  
bayonet shaped, curved to the left
- 230-202-002 bajonettförmig, rechts gebogen  
bayonet shaped, curved to the right

**JOSEPH**

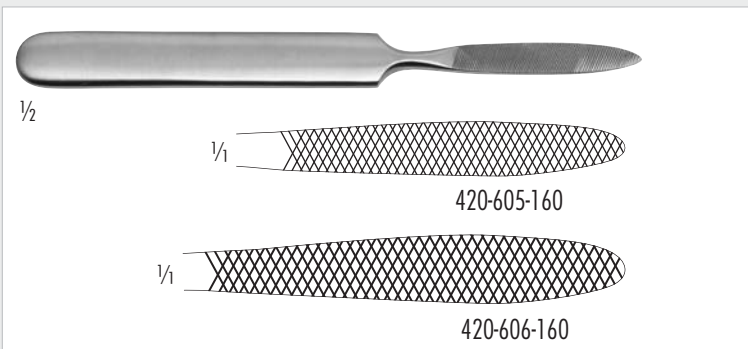
Nasensäge, 170 mm  
Nasal saw, 6 3/4 inch



- 230-211-170 links abgewinkelt/left angled
- 230-210-170 rechts abgewinkelt/right angled

**JOSEPH**

Nasensäge, 170 mm  
Nasal saw, 6 3/4 inch



- 420-605-160 fein kariert/fine cross-serrated
- 420-606-160 grob kariert/coarse cross-serrated

**JOSEPH**

Raspel, zum Füllen von nasalen Knochen, 165 mm  
Rasp, for filling nasal bone material, 6 1/2 inch



420-653-180

**MALTZ**

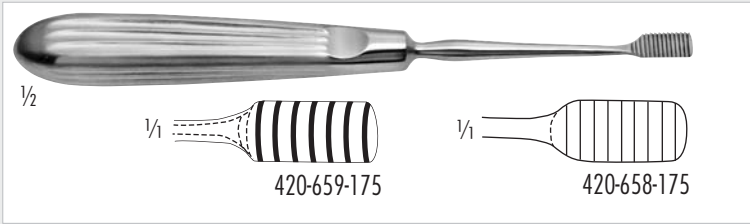
Nasen-Raspel, 90° quer gerieft, auf Zug schneidend, 180 mm  
Nasal rasp, 90° cross-serrated, teeth set to cut on down stroke, 7 inch



420-650-001S

**AUFRIECHT**

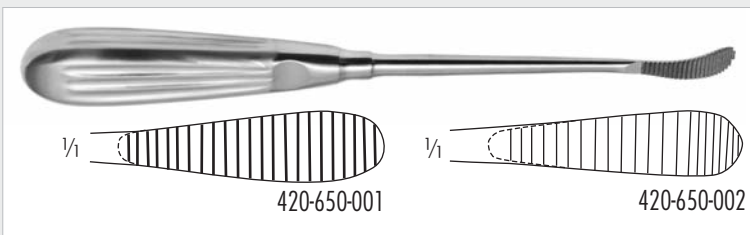
Nasen-Raspel, 90° quer gerieft, auf Zug schneidend, 220 mm  
Nasal rasp, 90° cross-serrated, teeth set to cut on down stroke, 8 3/4 inch



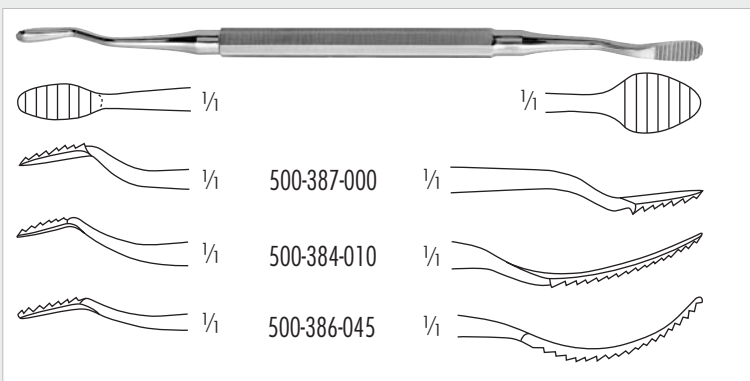
420-658-175 feine Zahnung/fine teeth  
 420-659-175 grobe Zahnung/coarse teeth  
**LEWIS**  
 Raspel, 8 mm, 90° quer gerieft, auf Zug schneidend  
 Rasp, 8 mm, 90° cross serrated, set to cut on down stroke



420-658-210 9x25mm  
**PECK-PARK**  
 Raspel, 16 Zähne, 210mm  
 Raspatory, 16 teeth, 8 1/4 inch



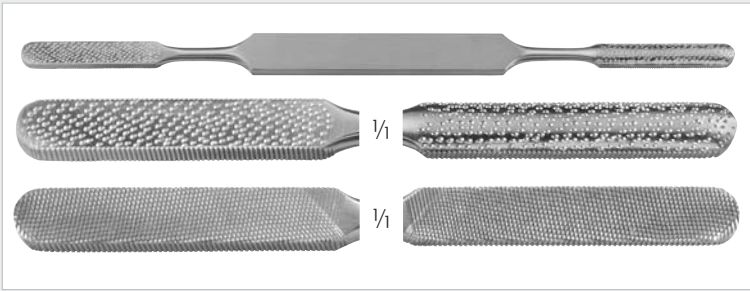
420-650-002 auf Druck schneidend/set to cut on up stroke  
 420-650-001 auf Zug schneidend/set to cut on down stroke  
**AUFRICHT**  
 Raspel, 9 mm, 90° quer gerieft, 220 mm  
 Rasp, 9 mm, 90° cross-serrated, 8 3/4 inch



500-387-000  
 500-384-010  
 500-386-045  
**MILLER**  
 Doppelraspel, 90° quer gerieft, auf Zug schneidend, 180 mm  
 Rasp, double-ended, 90° cross-serrated, set to cut on down stroke, 7 inch



420-662-001 grob/coarse  
 420-662-002 fein/fine  
**FOMON**  
 Nasenraspel, sehr leicht  
 Nasal rasp, lightweight



420-661-100

**FOMON**

Doppelraspel, Vorderseite grob, Rückseite fein, 215 mm

Rasp, double-ended, frontside coarse teeth, backside fine, 8 1/2 inch

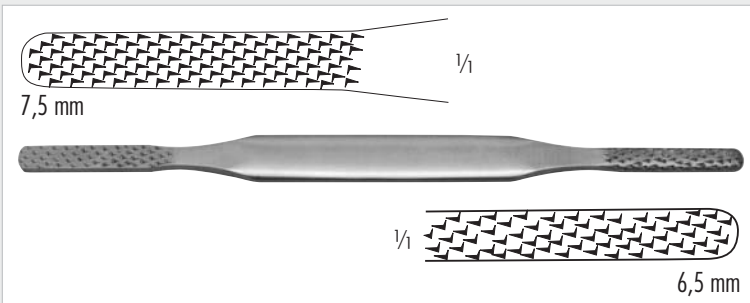


420-656-000

**KLEINERT-KUTZ**

Nasenraspel, doppelendig, 4-seitig, 220mm

Nasal rasp, double-ended, 4-sided, 8 3/4 inch

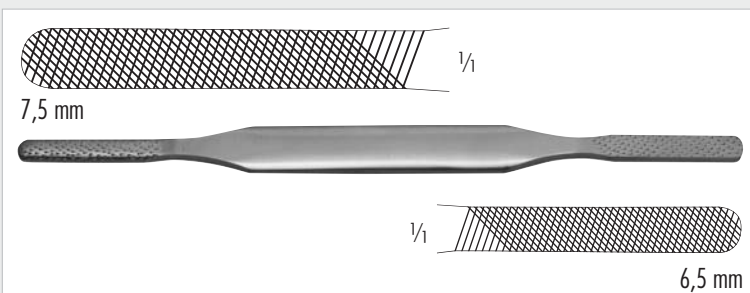


420-660-000

**FOMON**

Doppelraspel, grobe Zahnung, 215 mm

Rasp, double-ended, coarse teeth, 8 1/2 inch

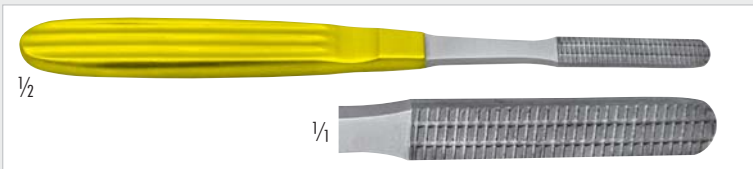
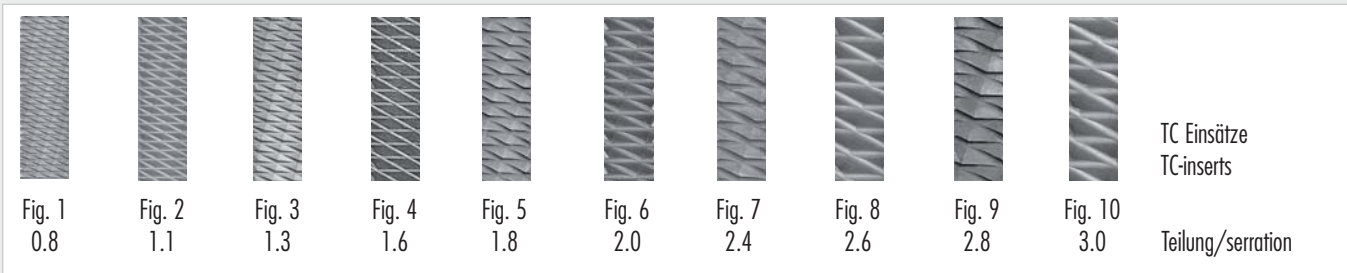


420-661-000

**FOMON**

Doppelraspel, feine Zahnung, 215 mm

Rasp, double-ended, fine teeth, 8 1/2 inch



420-672-000

**MALTZ**

TC Nasenraspel, gerade, auf Zug schneidend, 180 mm

TC Nasal rasp, straight, reverse, 7 inch



420-492-165 Fig. 2

420-494-165 Fig. 4

420-493-165 Fig. 3

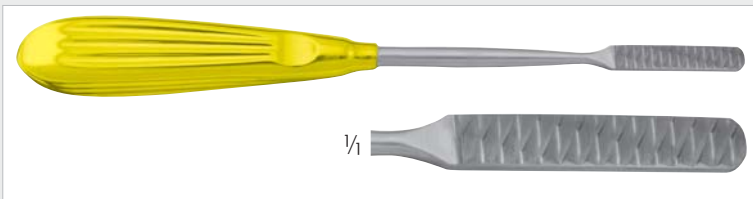
420-495-165 Fig. 5

**MALTZ**

420-496-165 Fig. 6

TC Nasenraspel, 170 mm

TC Nasal rasp, 6 2/3 inch



420-490-210 Fig. 1

420-495-210 Fig. 6

420-491-210 Fig. 2

420-496-210 Fig. 7

420-492-210 Fig. 3

420-497-210 Fig. 8

420-493-210 Fig. 4

420-498-210 Fig. 9

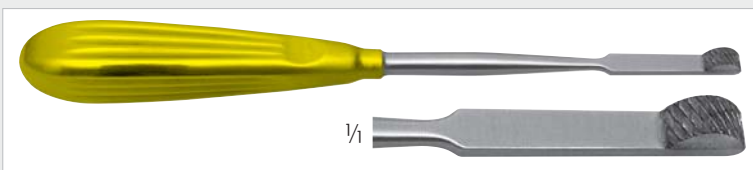
420-494-210 Fig. 5

420-499-210 Fig. 10

**PARKES**

TC Raspel, 8 x 39 mm, gerade, 210 mm

TC Rasp, 8 x 39 mm, straight, 8 1/4 inch



420-669-210

**GLABELLA**

TC Raspel, mittel, 210 mm

TC Rasp, medium, 8 1/4 inch



420-660-214 Fig. 3/Fig. 4

420-660-216 Fig. 5/Fig. 6

420-660-218 Fig. 7/Fig. 8

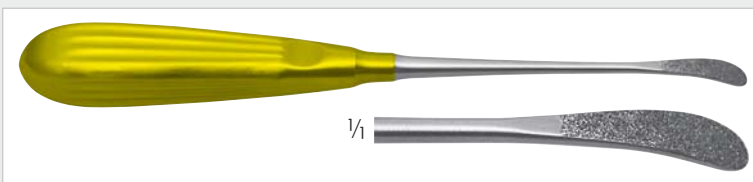
420-660-219 Fig. 1/Fig. 2

420-660-220 Fig. 9/Fig. 10

**FOMON**

TC Nasenraspel, doppelendig, 7 x 40 mm, 210 mm

TC Nasal Rasp, double ended, 7 x 40 mm, 8 1/4 inch

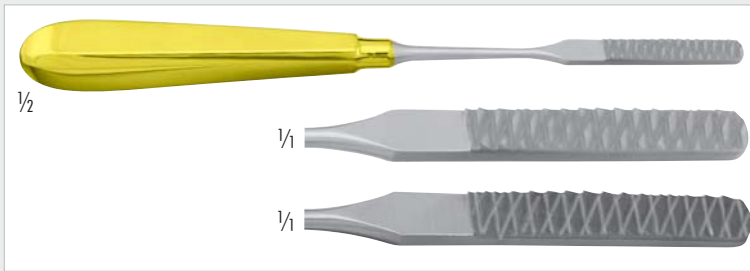


420-650-101

**AUFRICHT**

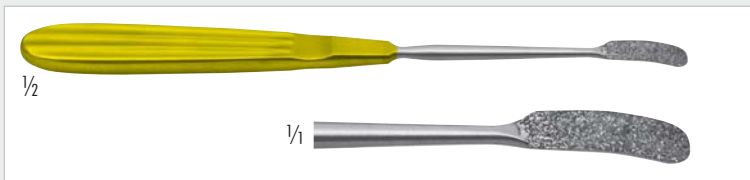
Nasenraspel, fein, gebogen, RZ diamantiert, 7 x 25 mm, 200 mm

Rasp, fine, curved, RZ diamond tip, 7 x 25 mm, 8 inch

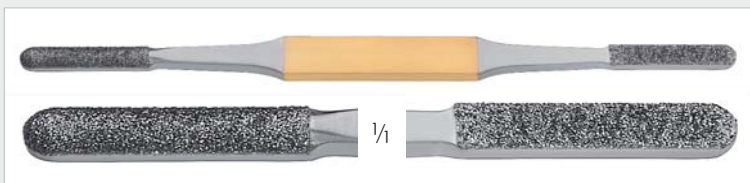


420-480-200 fein  
420-488-200 grob

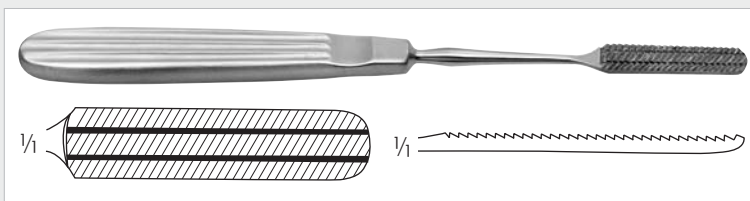
**ASTON**  
Nasenraspel, 200 mm  
Nasal rasp, 8 inch



420-650-100  
**PEET-COTTLE**  
Nasenraspel, gebogen, RZ diamantiert, 175 mm  
Nasal rasp, curved, RZ diamond tip, 7 inch



420-653-000  
**FOMON**  
Raspel, doppelendig, RZ diamantiert, grob, convex/flach, 7 x 40 mm, 210 mm  
Rasp, double ended, coarse RZ diamond tip, convex on flat, 7 x 40 mm, 8 1/4 inch



420-628-254  
**RUBIN**  
Nasenraspel, 30% schräg, konkav, 200 mm  
Nasal rasp, 30% oblique, concave, 8 inch



420-654-180 auf Zug/backward cutting  
420-657-180 auf Druck/forward cutting  
**ORIGINAL MALTZ**  
Nasenraspel, gerade, 180 mm  
Nasal rasp, straight, 7 inch



420-655-180  
**MCINDOE**  
Nasenraspel, auf Zug, gerade, 180 mm  
Nasal rasp, backward cutting, 7 inch

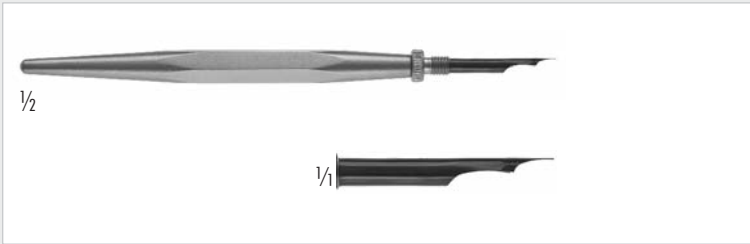


420-756-180  
**BARKY-GLABELLA**  
Nasenraspel, auf Zug, gerade, 175 mm  
Nasal rasp, backward cutting, 7 inch



260-500-001  
Reinigungsbürste für TC Raspeln  
Cleaning brushes for TC rasps





420-832-145

**ECKHOFF**

Hautmarkierstift, mit versenkbarer Spitze, verchromt, zum Schutz während der Sterilisation  
Skin marking pen, with reversible holder for point, chromium plated

420-832-001

Ersatzfeder

Spare nib



400-832-100

Einmal-Markierer, Packung mit 10 Stück

Sterile packed marking pen, box of 10 pieces



400-421-000

**JAMESON**

Zirkel mit Schlußschraube, graduert, 0 - 80 mm

Caliper with locking screw, graduated, 0 - 80 mm



400-420-100

**THORPE**

Zirkel, mit Schlußschraube, 0-80 mm

Caliper, with locking screw, 0-80 mm



400-583-005

Meßbereich/measuring range 0 - 15 mm

400-583-007

Meßbereich/measuring range 0 - 20 mm

400-583-008

Meßbereich/measuring range 0 - 40 mm

**CASTROVIEJO**

Hautmeßzirkel, 70mm

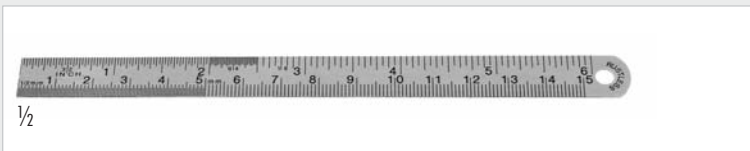
Caliper, 2 3/4 inch

400-583-009

**CASTROVIEJO**

Hautmeßzirkel, Meßbereich 0 - 20 mm, abgewinkelte Spitze, 70mm

Caliper, measuring range 0 - 20 mm, angled tip, 2 3/4 inch

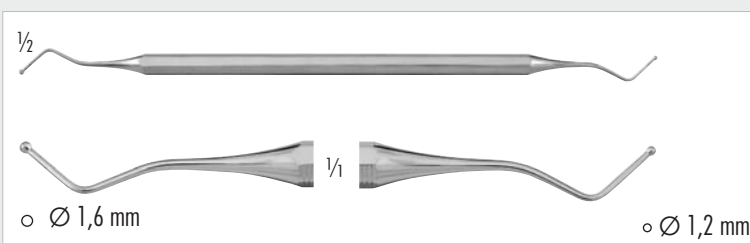


100-418-150 150mm, 6 inch

100-418-200 200mm, 8 inch

Lineal, mit mm und inch Markierung

Ruler, with mm and inch markings



500-270-002

Tamponaden-Stopfer, doppelt, Ø 1,6/1,2 mm, 170 mm

Dressing plugger, double-ended, Ø 1.6/1.2 mm, 6 3/4 inch



140-254-125 gerade/straight  
140-255-125 gebogen/curved

**HALSTED-MOSQUITO**

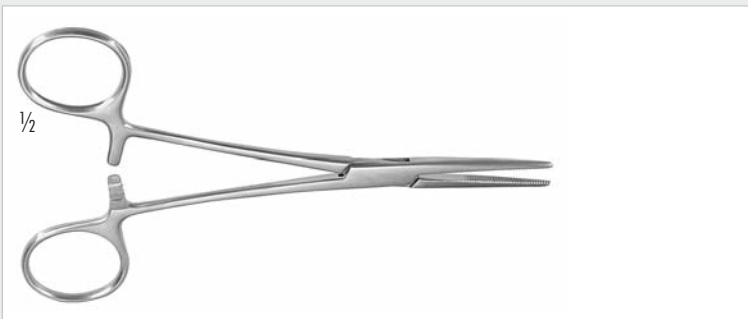
Arterienklemme, 125 mm  
Hemostatic forceps, 5 inch



140-256-125 gerade/straight  
140-257-125 gebogen/curved

**HALSTED-MOSQUITO**

Arterienklemme, 1 x 2 Zähne, 125 mm  
Hemostatic forceps, 1 x 2 teeth, 5 inch



140-280-140 gerade/straight  
140-281-140 gebogen/curved

**KELLY**

Arterienklemme, gerieft, 140 mm  
Hemostatic forceps, serrated, 5 1/2 inch



140-290-140 gerade/straight  
140-291-140 gebogen/curved

**CRILE (FRASER-KELLY)**

Arterienklemme, 140 mm  
Hemostatic forceps, 5 1/2 inch



165-855-020 2 ml  
 165-855-050 5 ml  
 165-855-100 10 ml  
 Spritze komplett  
 Syringe complete



165-856-020 2 ml  
 165-856-050 5 ml  
 165-856-100 10 ml  
 Glaszylinder, allein  
 Glas cylinder, only



252-005-170  
 Tonsillenanüle, gerade, mit LUER-Lock-Ansatz, 160 mm  
 Tonsil needle, straight, with LUER-lock attachment, 6 1/4 inch



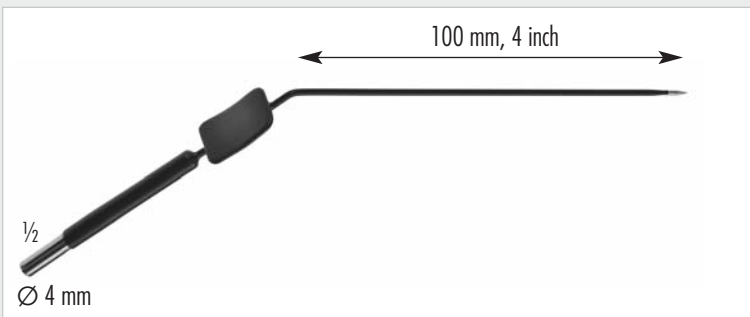
252-003-170  
 Septumkanüle, abgewinkelt, mit LUER-Lock Ansatz, 160 mm  
 Septum needle, angled, with LUER-lock attachment, 6 1/4 inch



252-004-170  
 Tonsillenanüle, abgewinkelte Spitze, mit LUER-Lock-Ansatz  
 Tonsil needle, angled tip, with LUER-lock attachment



252-001-170  
 Septumkanüle, bajonettförmig gebogen, mit LUER-Lock Ansatz, 100 mm  
 Septum needle, bayonet-shaped, with LUER-lock attachment, 4 inch



252-204-100  
**ABBAY**  
 Resektionsnadel, **isoliert**, mit monopolarem Anschluß  
 Sub-mucosal resection needle, **insulated**, with monopolar connector



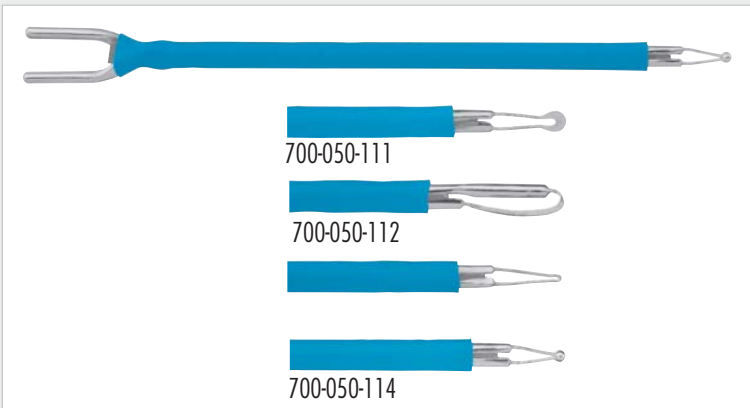
700-420-002  
 Bipolare Elektrode für Nase, mit Flachstecker  
 Bipolar Electrode for Nose, with flat plug



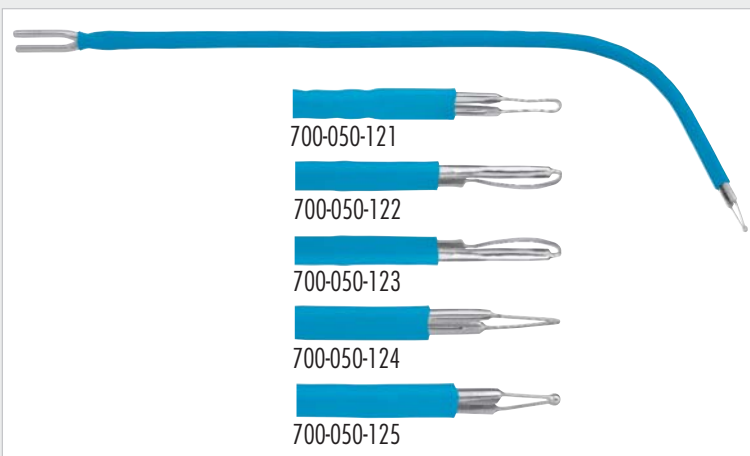
700-801-165  
 Bipolare Pinzette kniegebogen, spitz, Flachstecker 165mm  
 Bipolar Forceps angled, pointed, flat-plug square, 6 1/2 inch



700-050-100  
Handgriff für Kauter  
Handle for cauter



700-050-111 messerförmig flach/flat knife  
700-050-112 einseitig glühend/one side cutting  
700-050-113 spitz/pointed  
700-050-114 kugelförmig/ball shaped  
Kauterbrenner für Nase, Platin, 100 mm  
Cautery burner for nose, platinum, 4 inch



700-050-121 messerförmig flach/flat knife  
700-050-122 rechts glühend/right side cutting  
700-050-123 links glühend/left side cutting  
700-050-124 spitz/pointed  
700-050-125 kugelförmig/ball shaped  
Kauterbrenner für Kehlkopf, Platin, 200 mm  
Cautery burner for larynx, platinum, 7<sup>3</sup>/<sub>4</sub> inch



700-050-300 3 m  
Kabel für Kauter  
Cable for cauter

700-050-000  
Transformator für Kauter, (ohne Abbildung)  
Tranformer for cautery burner, (without picture)





SINUSCOPY

**SINUSCOPY**  
Instruments and  
Equipment for  
Sinuscopy



252-015-110 Ø 1,5 mm  
 252-018-110 Ø 1,8 mm  
 252-020-110 Ø 2,0 mm

**LICHTWITZ-BIER**

Kieferhöhlenpunktionskanüle mit Luer-Ansatz, 100 mm  
 Antrum trocar needle, Luer attachment, 4 inch



252-115-110 Ø 1,5 mm  
 252-118-110 Ø 1,8 mm  
 252-120-110 Ø 2,0 mm  
 252-125-110 Ø 2,5 mm

**EICKEN**

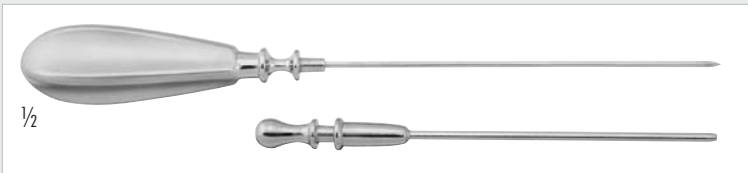
Kieferhöhlenpunktionskanüle mit Luer-Ansatz, 105 mm  
 Antrum trocar needle, Luer attachment, 4 inch



165-052-018

**LICHTWITZ**

Kieferhöhlentrokar, Ø 1,8 mm, 180 mm, Arbeitslänge: 85 mm  
 Antrum trocar, Ø 1.8 mm, 7 inch, working length: 3 1/2 inch



165-152-017 Ø 1,7 mm 165-152-023 Ø 2,3 mm  
 165-152-020 Ø 2,0 mm 165-152-027 Ø 2,7 mm

**TILLEY LICHTWITZ**

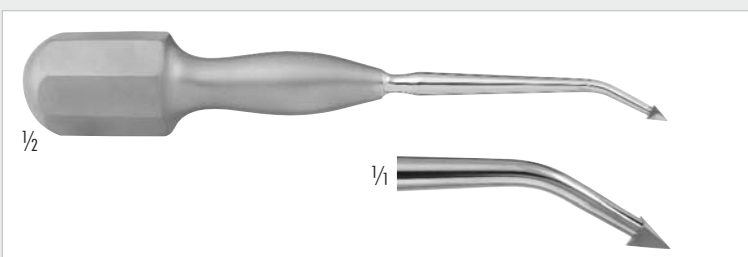
Kieferhöhlentrokar, 185 mm  
 Antrum trocar, 7 1/4 inch



165-058-225 Ø 3 mm

**COAKLEY**

Kieferhöhlentrokar mit Spülvorrichtung, 140 mm  
 Antrum trocar with irrigation, 5 1/2 inch



165-059-170 Ø 4 mm

**TILLEY**

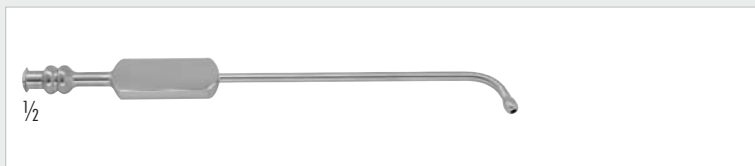
Harpumentrokar, 170 mm  
 Harpoon trocar, 6 3/4 inch



252-025-150 außen Ø 2,5 mm/outer Ø 2.5 mm  
 252-025-151 außen Ø 3,0 mm/outer Ø 3.0 mm  
 252-025-152 außen Ø 4,0 mm/outer Ø 4.0 mm

**EICKEN**

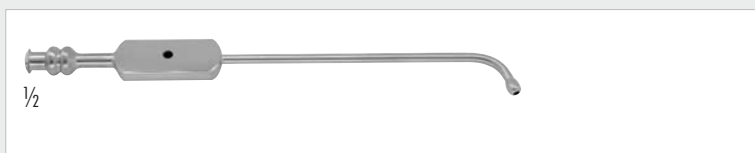
Kiefernhöhlenspülröhrchen, leicht gebogen, mit zentraler Öffnung und Luer-Ansatz, 130 mm  
 Irrigating antrum cannula with central opening, slightly curved, Luer attachment, 5 1/8 inch



252-125-150 außen Ø 2,5 mm/outer Ø 2.5 mm  
 252-125-151 außen Ø 3,0 mm/outer Ø 3.0 mm  
 252-125-152 außen Ø 4,0 mm/outer Ø 4.0 mm

**EICKEN**

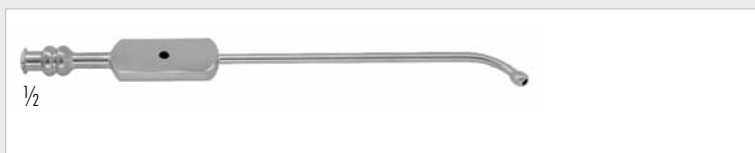
Kiefernhöhlenspülröhrchen, stark gebogen, mit zentraler Öffnung und Luer-Ansatz, 140 mm  
 Irrigating antrum cannula with central opening, strong curved, Luer attachment, 5 1/2 inch



252-225-150 außen Ø 2,5 mm/outer Ø 2.5 mm  
 252-225-151 außen Ø 3,0 mm/outer Ø 3.0 mm  
 252-225-152 außen Ø 4,0 mm/outer Ø 4.0 mm

**EICKEN**

Antrum Kanüle, stark gebogen, mit Stoploch im Griff, Arbeitslänge: 150 mm  
 Antrum Cannula, strong curved, with cut-off hole, working length: 6 inch



252-325-150 außen Ø 2,5 mm/outer Ø 2.5 mm  
 252-325-151 außen Ø 3,0 mm/outer Ø 3.0 mm  
 252-325-152 außen Ø 4,0 mm/outer Ø 4.0 mm

**EICKEN**

Antrum Kanüle, leicht gebogen, mit Stoploch im Griff Arbeitslänge: 150 mm  
 Antrum Cannula, slightly curved, with cut-off hole, working length: 6 inch



252-425-150 außen Ø 2,5 mm/outer Ø 2.5 mm  
 252-425-151 außen Ø 3,0 mm/outer Ø 3.0 mm  
 252-425-152 außen Ø 4,0 mm/outer Ø 4.0 mm

**EICKEN**

Antrum Kanüle, leicht gebogen, biegsam, Arbeitslänge: 150 mm  
 Antrum Cannula, slightly curved, malleable, working length: 6 inch





165-071-025 Ø 2,5 mm

**SIEBENMANN**

Kiefernhöhlenspülröhrchen, stumpf, mit der Öffnung am inneren Biegeradius, 130 mm

Irrigation antrum cannula with inside opening, blunt, 5 1/8 inch



165-072-025 Ø 2,5 mm

**SIEBENMANN**

Kiefernhöhlenspülröhrchen, mit der Öffnung am äußeren Biegeradius, stumpf, 130 mm

Irrigation antrum cannula, with outside opening, blunt, 5 1/8 inch

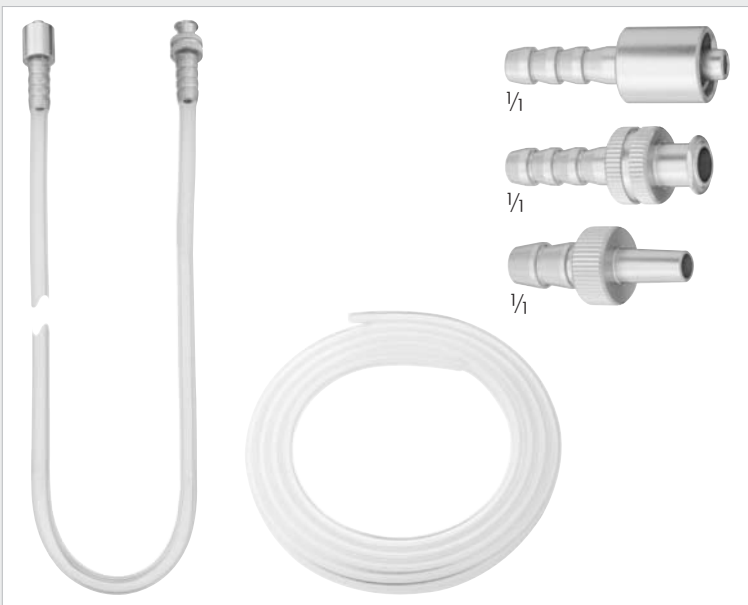


252-530-190

**WATSON-WILLIAMS**

Stirnhöhlen-Spülröhrchen, Luer-Konus, Arbeitslänge: 190 mm

Sinus Irrigation Tube, Luer cone, working length: 7 1/2 inch



165-076-300

Spülschlauch, Silikon, autoklavierbar, komplett mit LUER-Lock Adapter, 300 mm

Irrigation tube, silicone, autoclavable, complete with LUER-Lock attachment, 12 inch

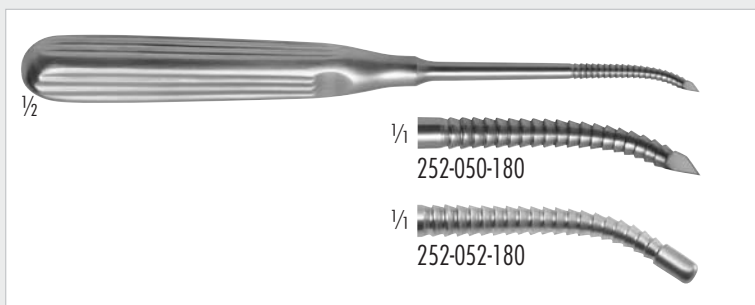


165-077-000

**MUCK**

Saugglas nach Muck

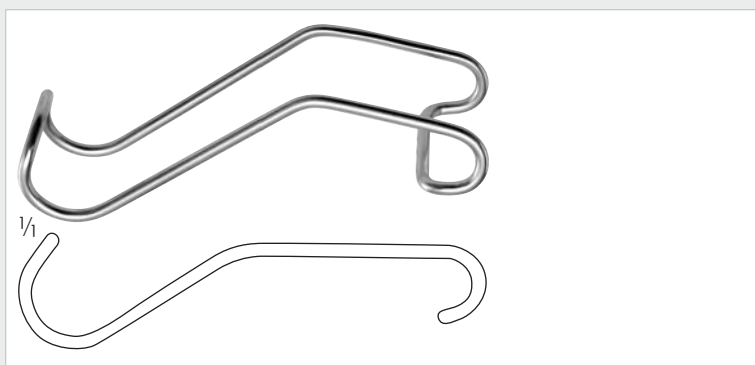
Nasal suction cup sim. Muck



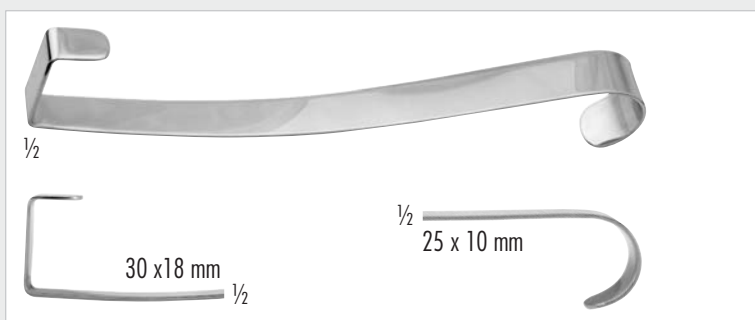
252-050-180 spitz / sharp  
 252-052-180 stumpf / blunt  
 Kieferhöhlen Trephin, amerikanisches Modell, 180 mm  
 Antrum trephine, American pattern, 7 inch



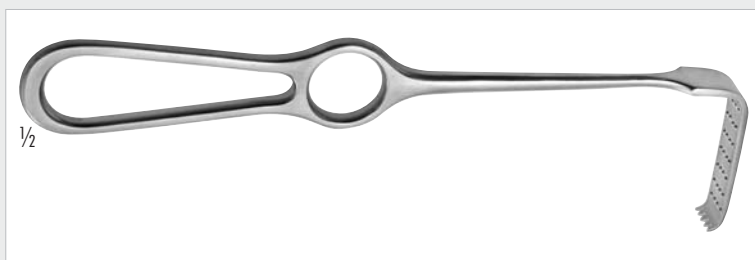
252-053-170  
**FAULKNER**  
 Kieferhöhlenmeißel, 170 mm  
 Antrum Chisel, 6 3/4 inch



430-301-120 120 mm, 4 3/4 inch  
 430-301-130 140 mm, 5 1/2 inch  
 430-301-135 160 mm, 6 1/4 inch  
**STERNBERG**  
 Wangenhalter  
 Cheek retractor



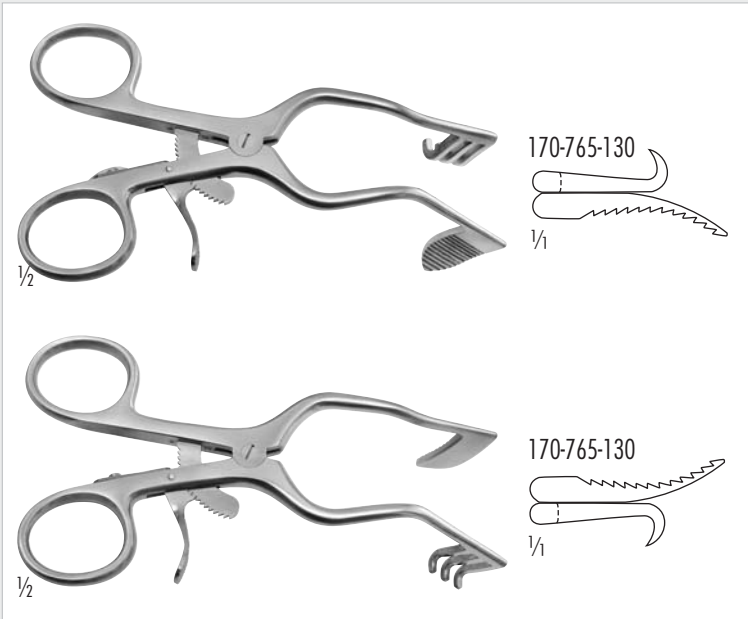
170-285-165  
**HAEK**  
 Wundhaken, 165 mm  
 Wound retractor, 6 1/2 inch



170-287-190  
**BRUENINGS-BRUNK**  
 Kieferhöhlenhaken, 190 mm  
 Antrum retractor, 7 1/2 inch



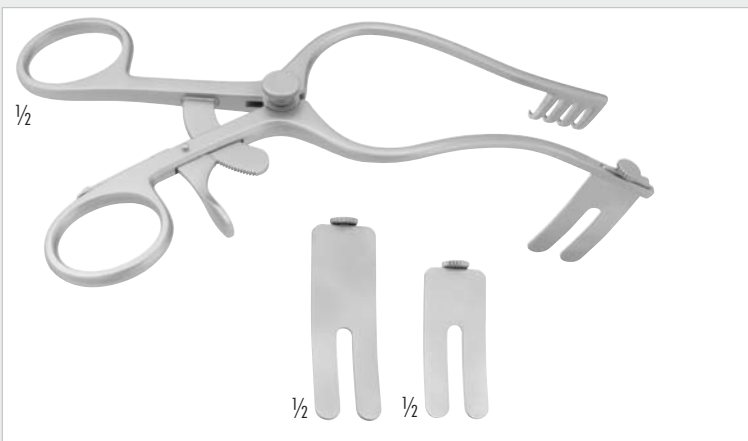
170-293-001 30 x 11 mm  
**LANGENBECK**  
 Wundhaken, 220 mm  
 Wound retractor, 8 3/4 inch



170-765-135 rechtes Blatt voll/right solid blade  
170-766-135 linkes Blatt voll/left solid blade

**PERKINS**

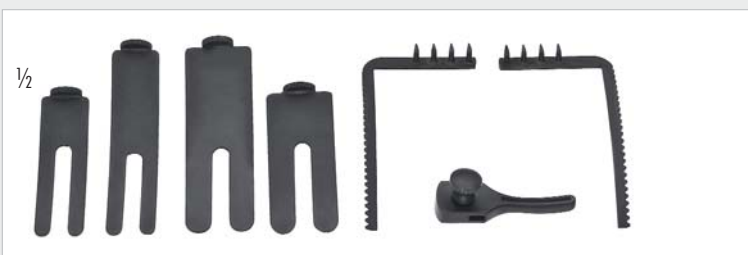
Kieferhöhlensperrer, volles Blatt, scharf gezahnt, 130 mm  
Antrum retractor, solid blade, sharp serration, 5 1/8 inch



170-767-165 rechts/right (abgebildet/illustrated)  
170-768-165 links/left

**TALBOT**

Orbita-Spreizer, 165 mm  
Orbita-retractor, 6 1/2 inch



410-902-000

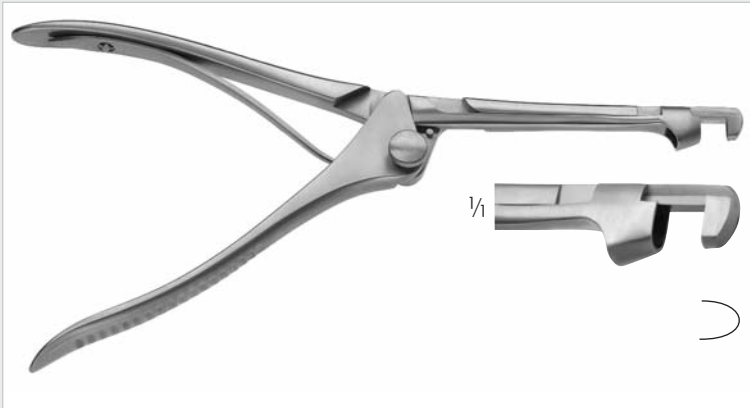
**FERRIS SMITH**

Wundsperrer Set, komplett  
Retractor Set, complete



252-500-175

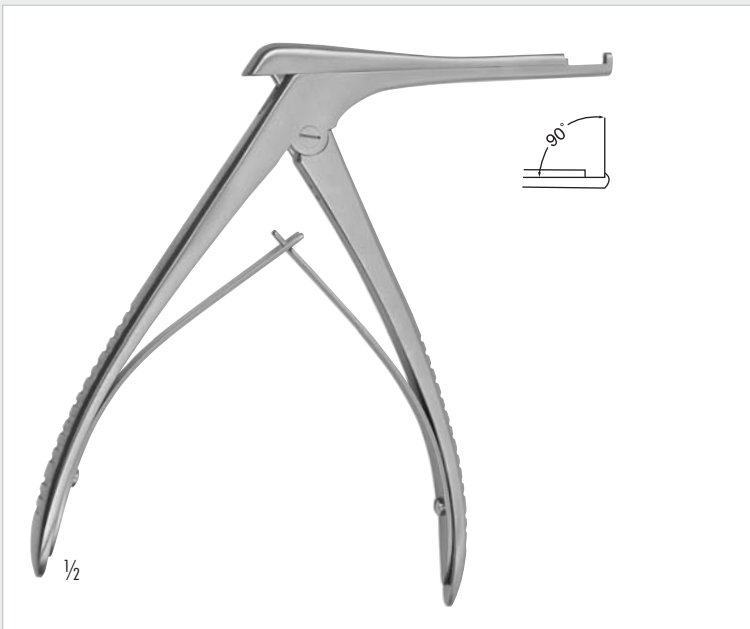
Stirnhöhlenstanze, 70° im Schaft aufgebogen,  
Ausschnitt 3mm, 40° nach oben vorwärts schneidend,  
Arbeitslänge: 175mm  
Frontal Sinus Punch Forceps, sheath 70° upturned,  
bite 3mm, 40° upbiting forward,  
working length: 175mm



252-200-200

**HAJEK-CLAUS**

Kieferhöhlenstanze, durchschneidend, 200 mm  
Antrum Punch, through cutting, 8 inch



252-200-095 2 mm Schnitt / 2 mm bite

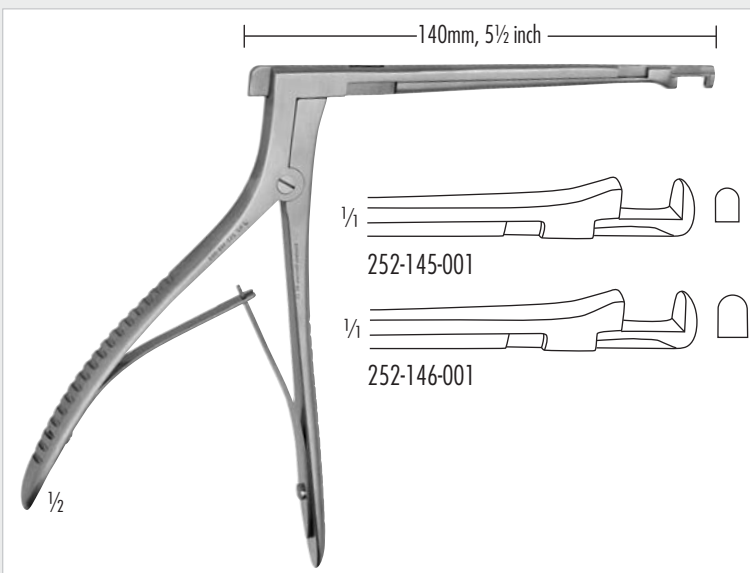
**BEYER**

Kieferhöhlenstanze, Arbeitslänge: 95 mm  
Antrum Punch, working length: 3 3/4 inch



252-200-195

Dito, retrograd schneidend  
Same, backward cutting



252-145-001 nach oben/upbiting

252-145-002 nach unten/downbiting

252-145-003 nach oben, rückwärts/upbiting, backward

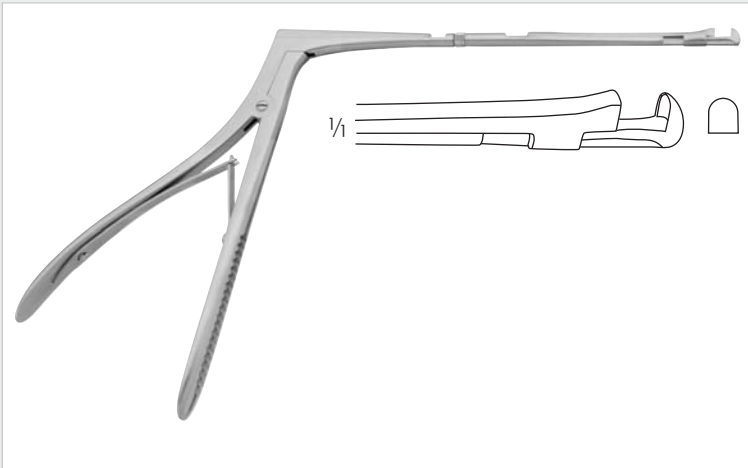
252-145-004 nach unten, rückwärts/downbiting, backward

252-145-005 nach oben, vorwärts/upbiting, forward

**HAJEK-KOFLER**

Stanze, 3,5 x 3,5 mm, 140 mm

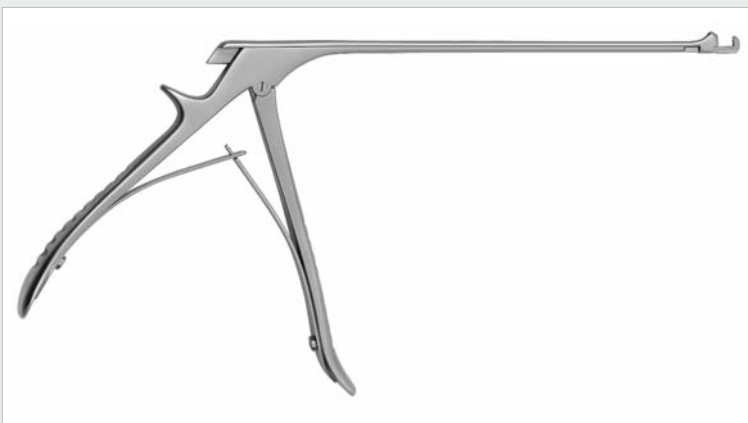
Punch, 3.5 x 3.5 mm, 5 1/2 inch



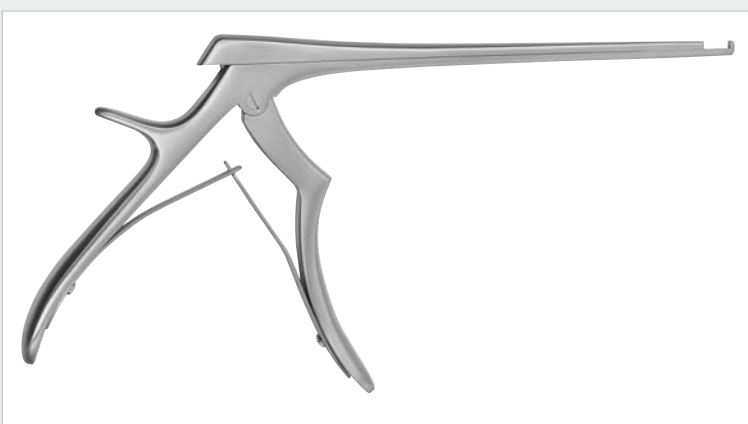
252-535-170 4,0 mm  
**HAJEK-KOFLER**  
 Stanze, drehbar 360°, Arbeitslänge: 170 mm  
 Punch, rotating 360°, working length: 6 ¾ inch



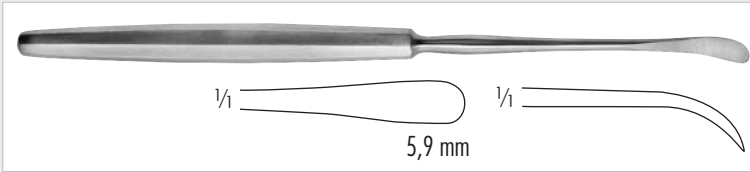
252-147-170  
**CITELLI**  
 Knochenstanze, 1,5 mm, durchschneidend, Arbeitslänge: 170 mm  
 Bone punch, 1.5 mm, through cutting, working length: 6 ¾ inch



252-148-170  
**BEYER**  
 Knochenstanze, 2,0 mm, durchschneidend, Arbeitslänge: 170 mm  
 Bone punch, 2.0 mm, through cutting, working length: 6 ¾ inch



252-149-172 nach oben / upbiting  
 252-149-272 nach unten / downbiting  
**KERRISON**  
 Knochenstanze, 2,0 mm, Arbeitslänge: 180 mm  
 Bone punch, 2.0 mm, working length: 7 inch



420-549-200 6 mm  
**SEWALL**  
 Kieferhöhlen Elevator, stumpf, 200 mm  
 Antrum elevator blunt, 8 inch



252-009-000  
**FREER**  
 Elevator, doppelendig, scharf/stumpf, 200 mm  
 Elevator, double-ended, sharp/blunt, 7 ¾ inch



252-025-210  
**KUHN-BOLGER**  
 Doppelinstrument , rechts abgewinkelter Haken, 210 mm  
 Double-instrument, hook angled to the right, 8 ¼ inch



252-025-190  
 Doppelinstrument zum Sondieren d. Ostium, kugelförmige  
 Enden 1,2 mm / 2,0 mm, 190 mm  
 Ostium probe, double-ended ball probe: 1.2mm / 2.0 mm, 7 ½ inch



252-205-190 spitz/sharp  
 252-215-190 stumpf/blunt  
 Sichelmesser, spitz, 200 mm  
 Sickle knife, sharp, 7 ¾ inch



252-071-190 Gr. 1  
 252-082-190 Gr. 2  
 252-093-190 Gr. 3  
 Kieferhöhlenlöffel, oval, 200 mm  
 Antrum spoon, oval, 7 ¾ inch



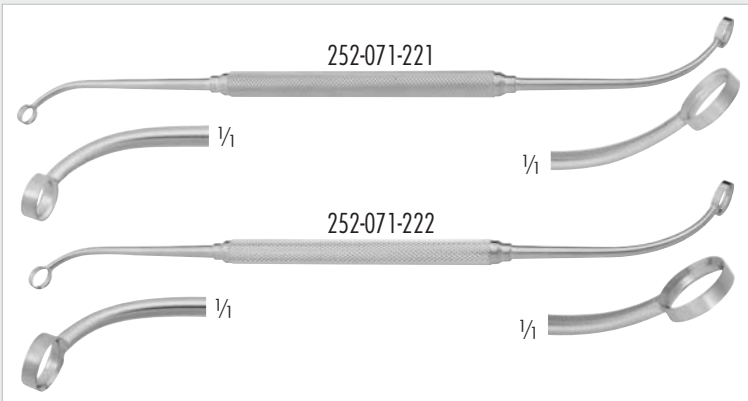
252-171-190 rund, 45° gebogen/round, 45° curved  
 252-182-190 oval klein, gebogen/oval small, curved  
 252-193-190 oval groß, 30° gebogen/oval large, 30° angled  
 Kieferhöhlenlöffel , 200mm  
 Antrum spoon, 7 ¾ inch



252-027-190  
 Doppelkürette, oval, kurz gebogen 45°, halbscharf: 2,2 mm,  
 andere Seite: 90° lang gebogen, 2,7 mm, 190 mm  
 Curette, double-ended, oval, short curve 45°, semi-sharp: 2.2 mm  
 Other side: 90° long curve: 2.7 mm, 7 ½ inch



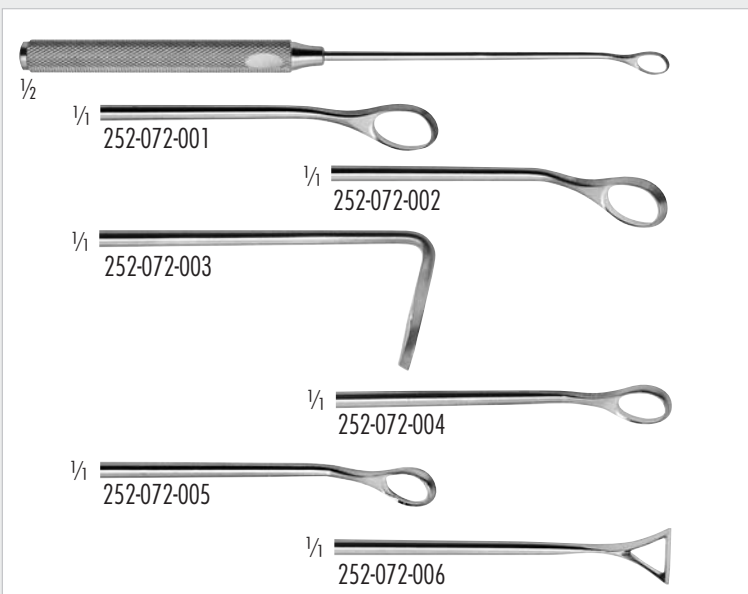
252-071-220  
**FAULKNER**  
 Kieferhöhlenkürette, 220 mm  
 Antrum curette, 8 ½ inch



- 252-071-221 klein, Ringgröße 5 x 8 mm  
small, ringsize 5 x 8 mm
- 252-071-222 groß, Ringgröße 6 x 9 mm  
large, ringsize 6 x 9 mm

**FAULKNER**

Kieferhöhlenkürette, biegsam, 220 mm  
Antrum curette, malleable, 8 3/4 inch



- 252-072-001 Fig. 1  
252-072-002 Fig. 2  
252-072-003 Fig. 3  
252-072-004 Fig. 4  
252-072-005 Fig. 5  
252-072-006 Fig. 6

**COAKLEY**

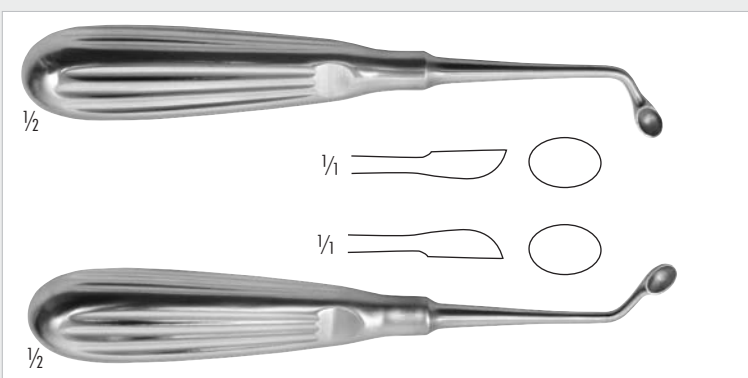
Kieferhöhlenkürette, 170 mm  
Antrum curette, rigid shank, 6 3/4 inch



- 252-172-190 55° gebogen/curved  
252-173-190 90° gebogen/curved

**KUHN-BOLGER**

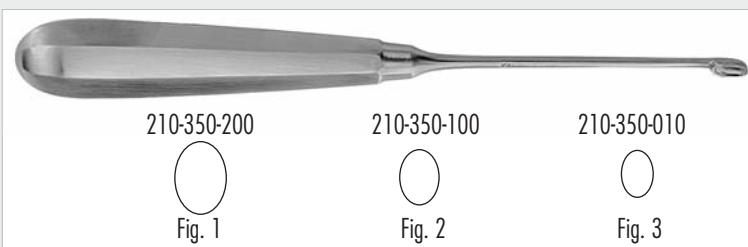
Kieferhöhlenlöffel, 190 mm  
Antrum spoon, 7 1/2 inch



- 210-345-007 rechts gebogen/right curved  
210-347-007 links gebogen/left curved

**UFFENORDE**

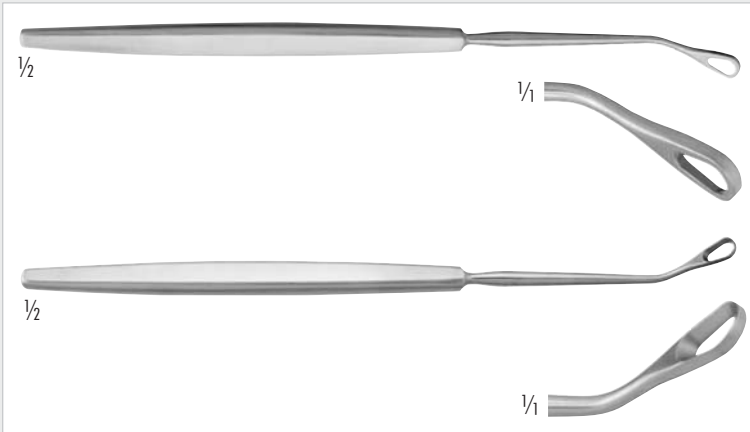
Kieferhöhlenlöffel, 170 mm  
Antrum spoon, 6 3/4 inch



- 210-350-200 4,8 mm Fig. 1  
210-350-100 5,8 mm Fig. 2  
210-350-010 6,8 mm Fig. 3

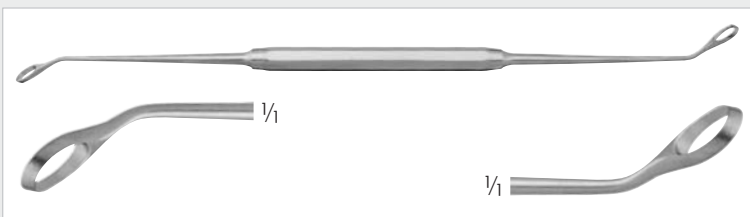
**HALLE**

Scharfe Löffel, biegsam, 210 mm  
Antrum spoon, malleable, sharp, 8 1/4 inch



252-113-190 vorwärts schneidend/forward cutting  
252-114-190 rückwärts schneidend/backward cutting  
**COAKLEY**

Kieferhöhlenkürette, klein, 200 mm  
Antrum curette, small, 7 3/4 inch



252-072-245

**HALLE**  
Kieferhöhlenkürette, 200 mm  
Antrum curette, 7 3/4 inch



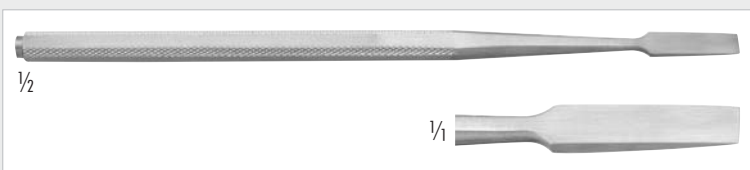
252-073-200

Kieferhöhlensonde, biegsam, 200 mm  
Antrum probe, malleable, 7 3/4 inch



252-140-190 4 mm

**WEST**  
Hohlmeißel, 190 mm  
Gouge, 7 1/2 inch



252-040-190 4 mm

**WEST**  
Flachmeißel, 190 mm  
Chisel, 7 1/2 inch



252-041-012 12 mm

252-041-017 17 mm

Spatel, biegsam, 200 mm  
Spatula, malleable, 7 3/4 inch



252-042-235

Orbitalschützer, 235 mm  
Orbital protector, 9 1/4 inch





- 252-043-025    Ø 2,5 mm
- 252-043-030    Ø 3,0 mm
- 252-043-040    Ø 4,0 mm
- 252-043-050    Ø 5,0 mm

**RITTER**

Stirnhöhlerdilator, 160 mm  
Frontal sinus bougies, 6 1/4 inch



- 165-525-006    6 Charr./Fr.
- 165-525-007    7 Charr./Fr.
- 165-525-008    8 Charr./Fr.
- 165-525-010    10 Charr./Fr.
- 165-525-012    12 Charr./Fr.

**FERGUSSON**

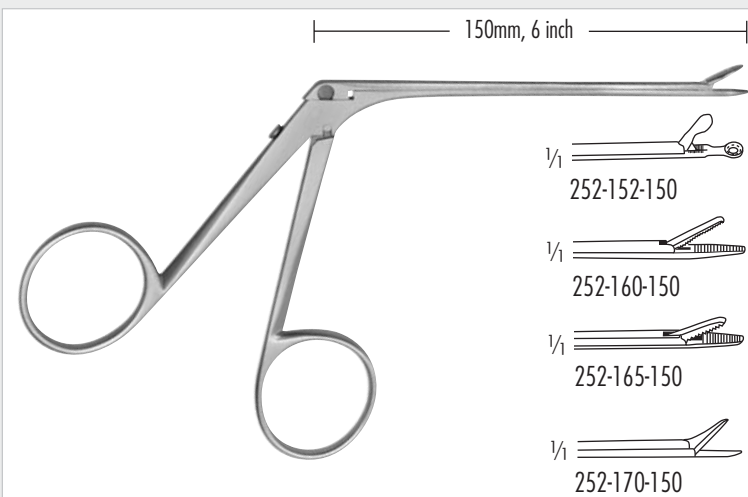
Saugkanüle, 180 mm  
Suction tube, 7 inch



252-025-180

**FISCH**

Saug-Spülrohr, 2,5 x 2,0 mm, 180 mm  
Suction-Irrigation tube, 2.5 x 2.0 mm, 7 inch



252-152-150    Ø 2,0 mm

Löffelzängchen, runder Löffel  
Cupped forceps, round cup

252-160-150

Faßzängchen, fein gerieft  
Grasping forceps, fine serrations

252-165-150

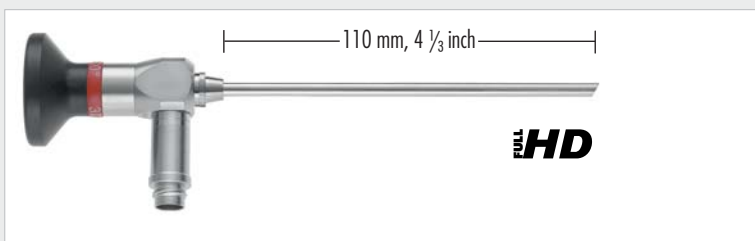
Faßzängchen, grob gerieft  
Grasping forceps, coarse serrations

252-170-150

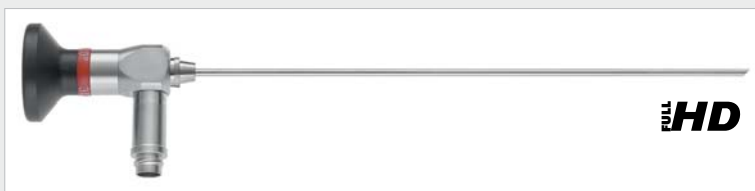
Scherchen  
Scissors



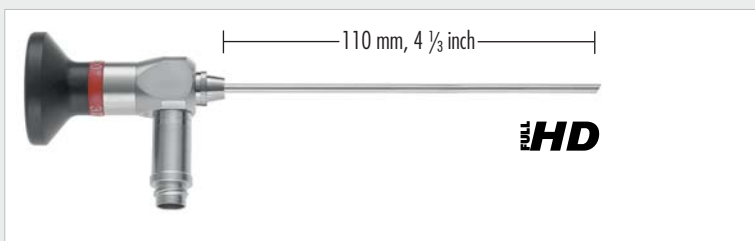
252-104-000 0°  
252-104-030 30°  
252-104-045 45°  
252-104-070 70°  
Sinuskopie-Optiken, autoklavierbar, 4,0 mm, 180 mm  
Sinusscopes, autoclavable, 4.0 mm, 7 inch



252-104-200 0°  
252-104-230 30°  
252-104-270 70°  
Sinuskopie-Optiken, Kinder, autoklavierbar, 4,0 mm, 110 mm  
Sinusscopes, pediatric, autoclavable, 4.0 mm, 4 1/3 inch



252-127-000 0°  
252-127-030 30°  
252-127-070 70°  
Sinuskopie-Optiken, autoklavierbar, 2,7 mm, 180 mm  
Sinusscopes, autoclavable, 2.7 mm, 7 inch

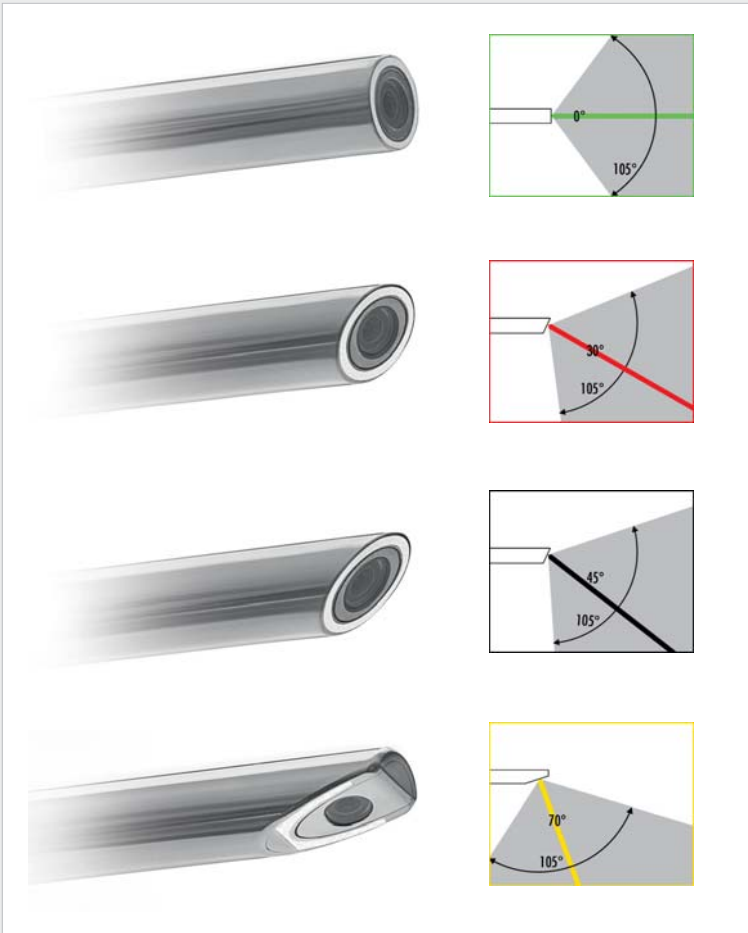


252-127-200 0°  
252-127-230 30°  
252-127-270 70°  
Sinuskopie-Optiken, Kinder, autoklavierbar, 2,7 mm, 110 mm  
Sinusscopes, pediatric, autoclavable, 2.7 mm, 4 1/3 inch

- Removable eyepiece for C-mount connection or RZ QuickSnap locking
- 3-step light post adaptors to connect the most common light cables directly to the endoscope
- Sapphire glasses ensure highest stability against damages on the lens system
- Optimised glass fibre arrangements ensure an uniform image brightness of highest quality
- Full HD high definition pictures with increased detail-resolution through newest CAD-designed rod-lens systems
- Fully Autoclavable at 134°C and 2.3bar



- 1 RZ/Storz Anschluss / RZ/Storz connection
- 2 R. Wolf Anschluss / R. Wolf connection
- 3 ACMI/Gyrus Anschluss / ACMI/Gyrus connection



Farbliche Kennzeichnung der Gradzahl:  
Colour coding of degree:

● 0°   ● 30°   ● 45°   ● 70°



1/2

300-090-100

Schutzhülse, für 2,7 mm und 4,0 mm Optiken, 190 mm

Bestelleinheit: PH=Packung á 10 Stück

Protection tube, for 2.7 mm and 4.0 mm telescopes, 7 1/2 inch

Sales unit: PH=Package of 10 pieces



251-104-001 für 4 mm Optik / for 4 mm telescopes

251-127-001 für 2,5 mm Optik / for 2.7 mm telescopes

Optik Handgriff, flach, 120 mm

Telescope handle, flat, 4 3/4 inch

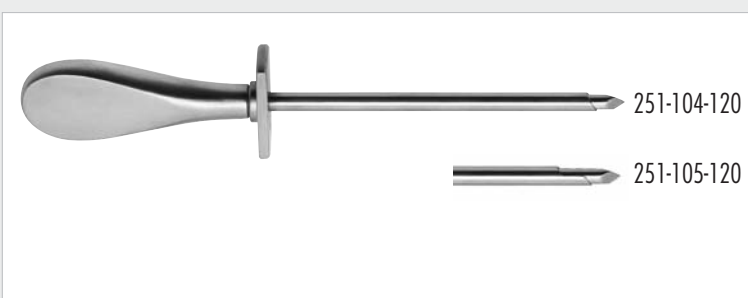


251-104-002 für 4 mm Optik / for 4 mm telescopes

251-127-002 für 2,5 mm Optik / for 2.7 mm telescopes

Optik Handgriff, rund, 120 mm

Telescope handle, round, 4 3/4 inch



251-104-120 schräges Schaftende/oblique sheath end

251-105-120 Duckbill Schaftende/Duckbill sheath end

251-127-120 für 2,7 mm Optik, 80 mm

for 2.7 mm telescope, 3 1/8 inch

Sinuskopie-Trokar und Trokarhülse für 4,0 mm Optik,  
scharfer Trokar Ø 5,2 mm, 80 mm

Sinuscopy Trocar and Trocar sheath for 4.0 mm telescope,  
sharp trocar Ø 5.2 mm, 3 1/8 inch



420-121-150 Fig. 1

420-122-150 Fig. 2

420-123-150 Fig. 3

**HARTMANN-HALLE**

Nasenspekulum, 155 mm

Nasal Specula, 6 inch



420-150-101 links/left 55mm, rechts/right 35mm

420-150-102 links/left 35mm, rechts/right 55mm

420-150-105 links/left 75mm, rechts/right 35mm

420-150-106 links/left 35mm, rechts/right 75mm

420-150-107 links/left 75mm, rechts/right 52mm

420-150-108 links/left 52mm, rechts/right 75mm

Sinus Spekula zur Verwendung mit flexiblen Spannarm, mit Stellschraube

Sinus Specula for use with flexible arm, with set screw



420-150-301 links/left 25mm, rechts/right 18mm

420-150-302 links/left 18mm, rechts/right 25mm

Kinder Sinus Spekula zur Verwendung mit flexiblen Spannarm, mit Zähnen, mit Stellschraube

Children Sinus Specula for use with flexible arm, with teeth, with set screw



420-150-001 links/left 55mm, rechts/right 35mm

420-150-002 links/left 35mm, rechts/right 55mm

420-150-003 links/left 65mm, rechts/right 45mm

420-150-004 links/left 45mm, rechts/right 65mm

420-150-005 links/left 75mm, rechts/right 35mm

420-150-006 links/left 35mm, rechts/right 75mm

420-150-007 links/left 75mm, rechts/right 52mm

420-150-008 links/left 52mm, rechts/right 75mm

Sinus Spekula zur Verwendung mit flexiblen Spannarm, mit Zähnen, mit Stellschraube

Sinus Specula for use with flexible arm, with teeth, with set screw



420-150-201 links/left 55mm, rechts/right 45mm

420-150-202 links/left 45mm, rechts/right 55mm

420-150-203 links/left 65mm, rechts/right 45mm

420-150-204 links/left 45mm, rechts/right 65mm

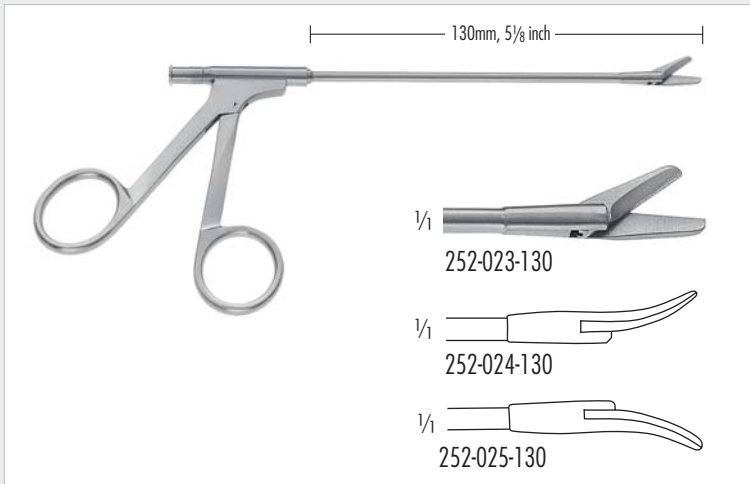
420-150-205 links/left 75mm, rechts/right 45mm

420-150-206 links/left 45mm, rechts/right 75mm

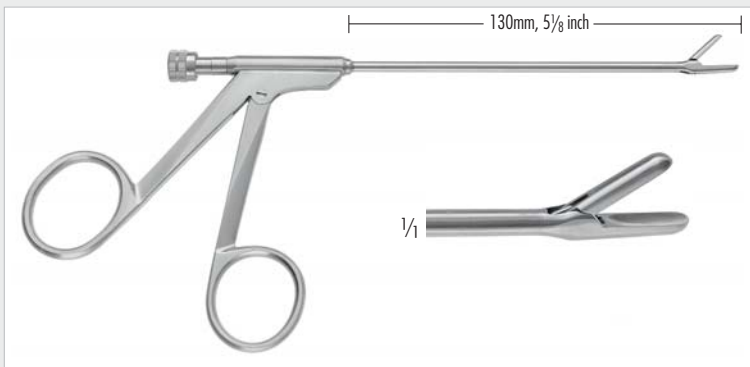
**KILLIAN STRYKEN**

Sinus Spekula zur Verwendung mit flexiblen Spannarm, mit Zähnen, mit Stellschraube

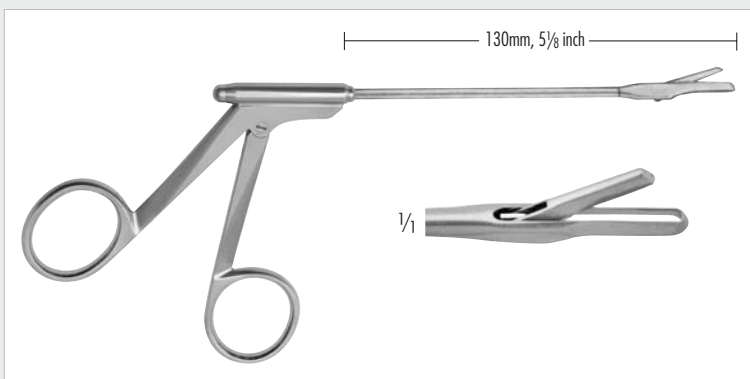
Sinus Specula for use with flexible arm, with teeth, with set screw



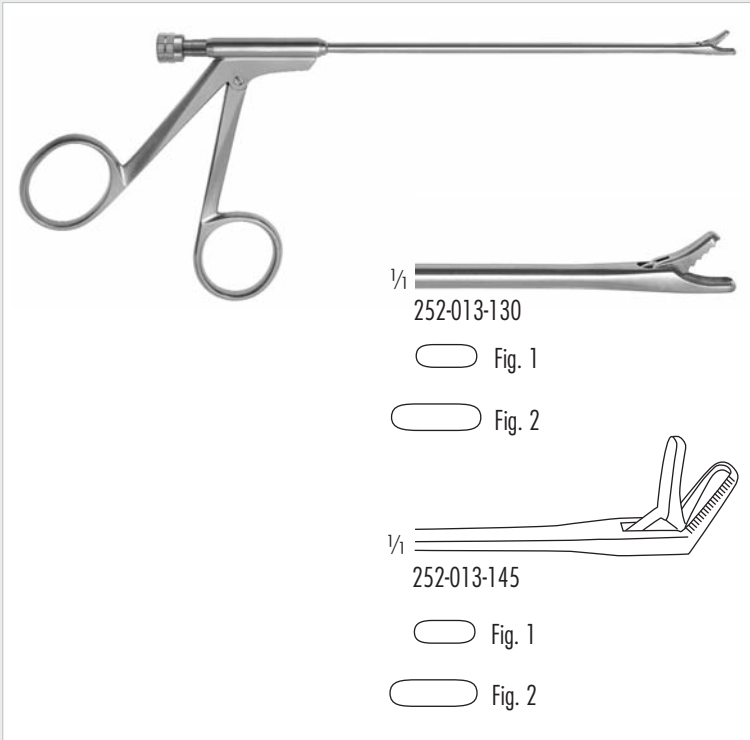
252-023-130 gerade/straight  
 252-024-130 links gebogen/curved to left  
 252-025-130 rechts gebogen/curved to right  
 Nasenschere, 130 mm  
 Nasal scissors, 5 1/8 inch



252-002-130  
**TAKAHASHI**  
 Siebbeinzange, 3x10 mm, 130 mm  
 Ethmoidal forceps, 3x10 mm, 5 1/8 inch



252-003-130  
**STRUYCKEN**  
 Siebbeinzange, 130 mm  
 Ethmoidal forceps, 5 1/8 inch



252-013-130 Fig. 1 8 x 3 mm  
 252-014-135 Fig. 2 11,5 x 3,5 mm

**GRUENWALD-HENKE**

Scharfe Nasenzange, durchschneidend, für glatten, gewebeschonenden Schnitt, extra zart, Arbeitslänge: 130 mm  
 Ethmoidal forceps, through cutting for clean soft tissue cut, straight, working length: 5  $\frac{1}{8}$  inch

252-013-145 Fig. 1 8 x 3 mm  
 252-014-145 Fig. 2 11,5 x 3,5 mm

**GRUENWALD-HENKE**

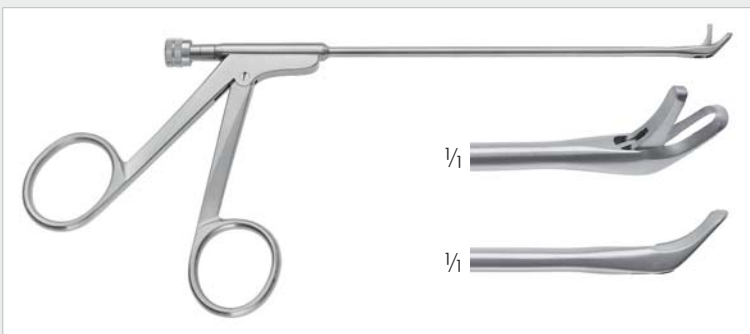
45° aufgebogen  
 45° upwards



252-206-000 Fig. 0 2 mm Schnitt/2 mm bite  
 252-206-001 Fig. 1 2,5 mm Schnitt/2.5 mm bite  
 252-206-002 Fig. 2 3 mm Schnitt/3 mm bite

**DUCKBILL**

Duckbill Punch, gerade, Arbeitslänge: 130 mm  
 Duckbill Punch, straight, working length: 5  $\frac{1}{8}$  inch



252-207-000 Fig. 0 2 mm Schnitt/2 mm bite  
 252-207-001 Fig. 1 2,5 mm Schnitt/2.5 mm bite  
 252-207-002 Fig. 2 3 mm Schnitt/3 mm bite

**DUCKBILL**

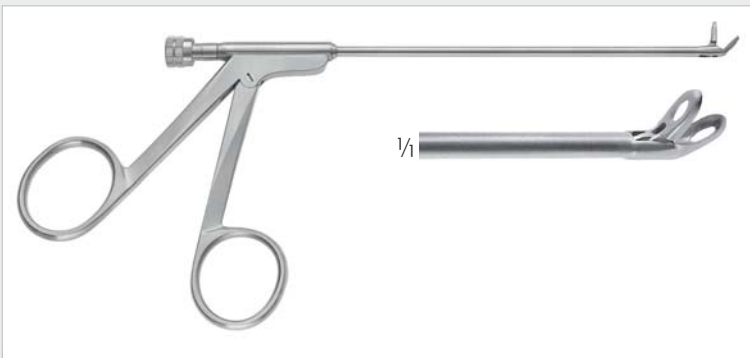
Duckbill Punch, aufwärts, Arbeitslänge: 130 mm  
 Duckbill Punch, upwards, working length: 5  $\frac{1}{8}$  inch



- 252-034-131 Größe 1/size 1 = 3 mm
- 252-034-132 Größe 2/size 2 = 3.5 mm
- 252-034-133 Größe 3/size 3 = 4 mm
- 252-034-134 Größe 4/size 4 = 5 mm
- 252-034-135 Größe 5/size 5 = 6 mm

**BLAKESLEY**

Nasenzange, gerade, 130 mm  
Ethmoidal forceps, straight, 5 1/8 inch



- 252-035-131 Größe 1/size 1 = 3 mm
- 252-035-132 Größe 2/size 2 = 3.5 mm
- 252-035-133 Größe 3/size 3 = 4 mm
- 252-035-134 Größe 4/size 4 = 5 mm
- 252-034-135 Größe 5/size 5 = 6 mm

**BLAKESLEY-WILDE**

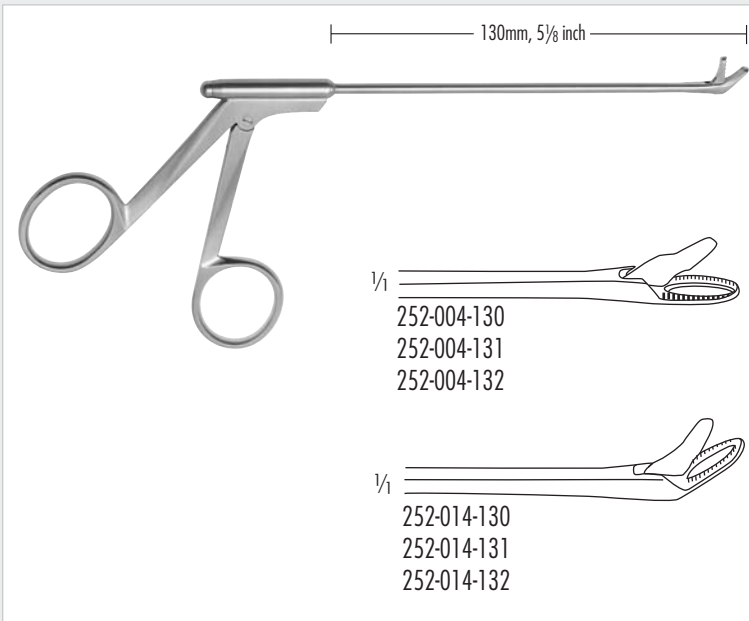
Nasenzange, 45° aufgebogen, 130 mm  
Ethmoidal forceps, 45° angled, 5 1/8 inch



- 252-037-131 Größe 1/size 1 = 3 mm
- 252-037-132 Größe 2/size 2 = 3.5 mm
- 252-037-133 Größe 3/size 3 = 4 mm
- 252-037-134 Größe 4/size 4 = 5 mm
- 252-037-135 Größe 5/size 5 = 6 mm

**BLAKESLEY-WILDE**

Nasenzange, 90° aufgebogen, 130 mm  
Ethmoidal forceps, 90° angled, 5 1/8 inch



- 252-004-130 Fig. 0 3 mm breit  
 252-004-131 Fig. 1 3,5 mm breit  
 252-004-132 Fig. 2 4,0 mm breit

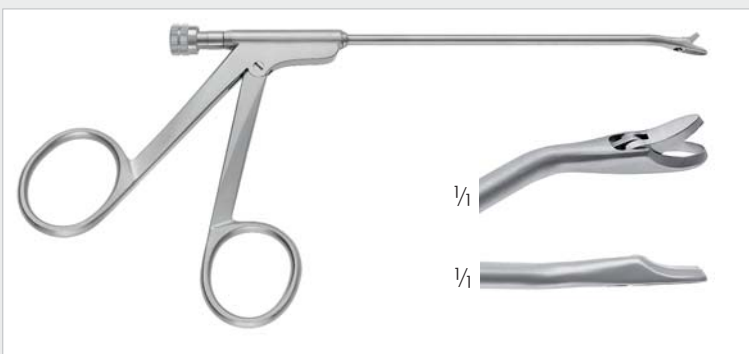
**BLAKESLEY**

Scharfe Nasenzange, durchschneidend, für glatten, gewebeschonenden Schnitt, gerade, 130 mm  
 Ethmoidal forceps, through cutting for clean soft tissue cut, straight, 5 1/8 inch

- 252-014-130 Fig. 0 3 mm breit  
 252-014-131 Fig. 1 3,5 mm breit  
 252-014-132 Fig. 2 4,0 mm breit

**BLAKESLEY**

45° aufgebogen  
 45° upwards



- 252-401-025 30° links gebogen/curved left  
 252-403-025 30° rechts gebogen/curved right

**BLAKESLEY**

Nasenzange, durchschneidend, 2,5 mm Schnitt, Arbeitslänge: 115 mm  
 Nasal Forceps, through cutting, 2.5 mm bite, working length: 4 1/2 inch

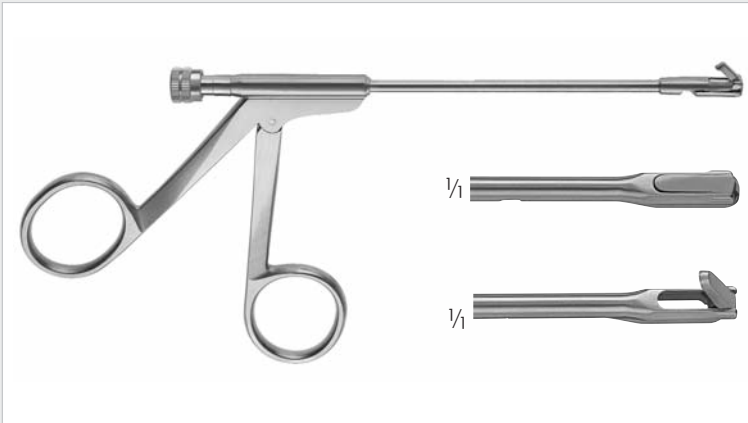


- 252-115-025 oben öffnend/upwards cutting  
 252-115-125 links öffnend/left side cutting  
 252-115-225 rechts öffnend/right side cutting

**OSTROM**

Ostrom Sinusstanze, 2,5 mm Schnitt, Arbeitslänge: 115 mm  
 Ostrom Sinus Punch, 2.5mm bite, working length: 4 1/2 inch

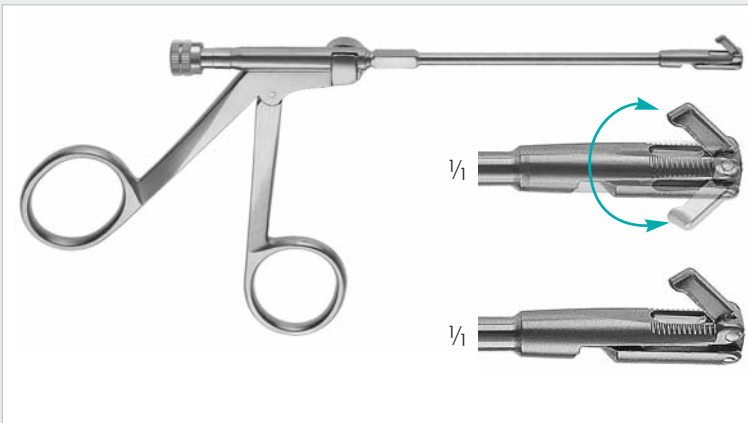




252-015-100 oben/upside  
 252-115-100 rechts/right  
 252-215-100 links/left

**OSTROM**

Kieferhöhlenstanze, 2,5 mm Schnitt, rückwärts schneidend,  
 Arbeitslänge: 100 mm  
 Antrum punch, 2.5 mm cut, backward cutting,  
 working length: 4 inch



252-315-100 drehbar, 360°/rotating, 360°

**OSTROM**

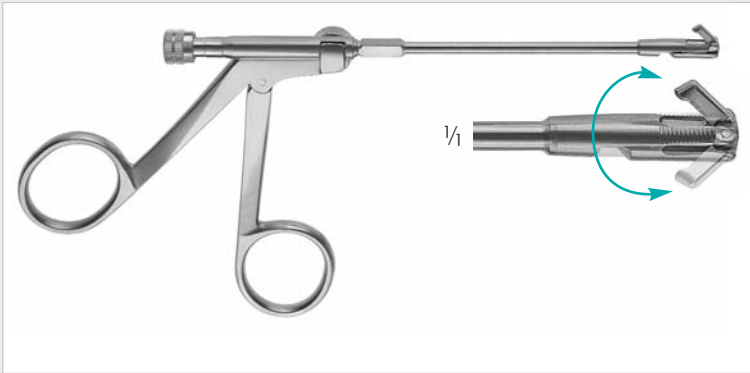
Kieferhöhlenstanze, rückwärts schneidend, 2,5 mm Schnitt,  
 Arbeitslänge: 100 mm  
 Antrum punch, backward cutting, 2.5 mm cut,  
 working length: 4 inch



252-010-100 oben/upside  
 252-110-100 rechts/right  
 252-210-100 links/left

**OSTROM**

Kieferhöhlenstanze, kleines schlankes Modell, 1,5 mm Schnitt,  
 rückwärts schneidend, Arbeitslänge: 100 mm  
 Antrum punch, small delicate pattern, 1.5 mm bite, backward cutting,  
 working length: 4 inch

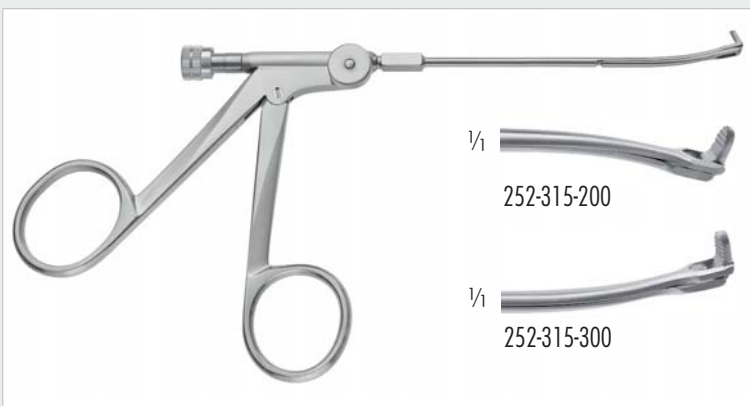


252-310-100 drehbar, 360°/rotating, 360°

**OSTROM**

Kieferhöhlenstanze, kleines schlankes Modell, 1,5 mm Schnitt  
Arbeitslänge: 100 mm

Antrum punch, small delicate pattern, 1.5 mm bite,  
working length: 4 inch

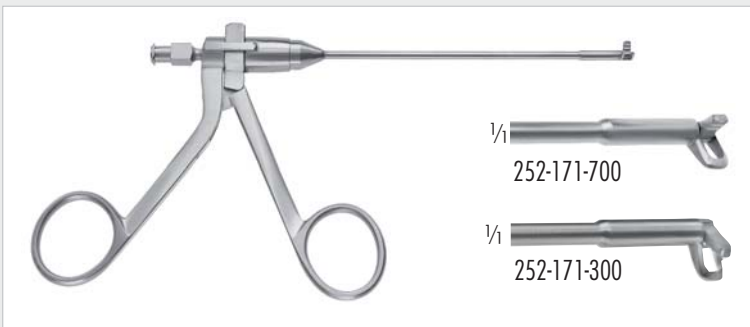


252-315-200 abgebogen/curved down

252-315-300 aufgebogen/curved up

**OSTROM**

Nasenzange, drehbar, kleiner Schnitt, Arbeitslänge: 100 mm  
Ethmoidal forceps, rotating, micro bite, working length: 4 inch



252-173-700 links schneidend/left cutting

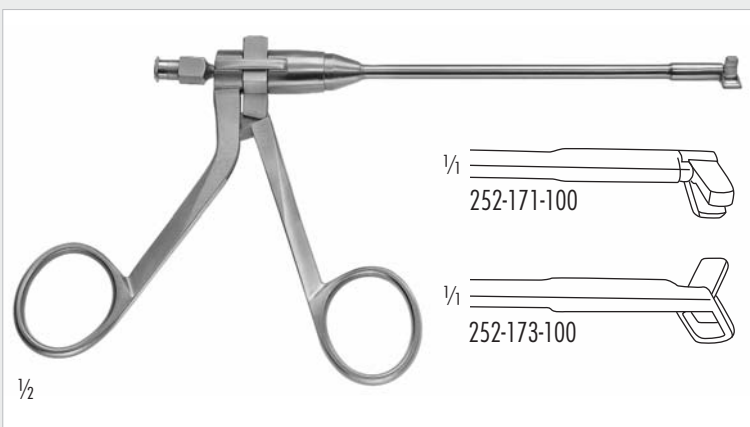
252-171-700 rechts schneidend/right cutting

252-171-300 nach rechts unten schneidend/  
downward right cutting

252-173-300 nach links unten schneidend/  
downward left cutting

**SIDECUTTER**

Kieferhöhlenstanze, 2,5 mm Schnitt, Arbeitslänge: 100 mm  
Antrum Punch, 2.5 mm bite, working length: 4 inch

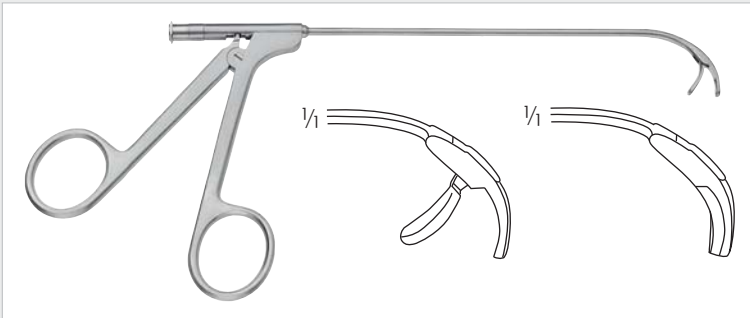


252-171-100 nach rechts unten schneidend  
downward right cutting

252-173-100 nach links unten schneidend  
downward left cutting

**SIDECUTTER**

Kieferhöhlenstanze, 3,5mm Schnitt, Arbeitslänge: 100 mm  
Antrum punch, 3.5mm cut, working length: 4 inch

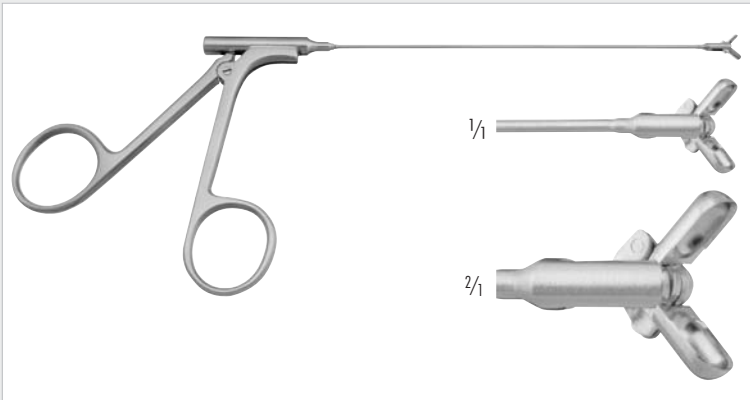


252-410-112

**HEUWIESER**

Kieferhöhlen-Faßzange, 90° gebogen, bis 120° rückwärts öffnend,  
Arbeitslänge: 130 mm

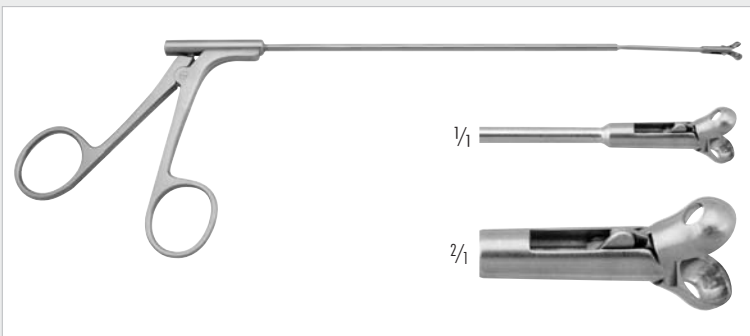
Antrum grasping forceps, 90° curved, 120° backward opening,  
working length: 5 inch



252-503-140

Probexcisions- und Faßzange, extra fein, mit ovalem Löffel 3 mm,  
140 mm

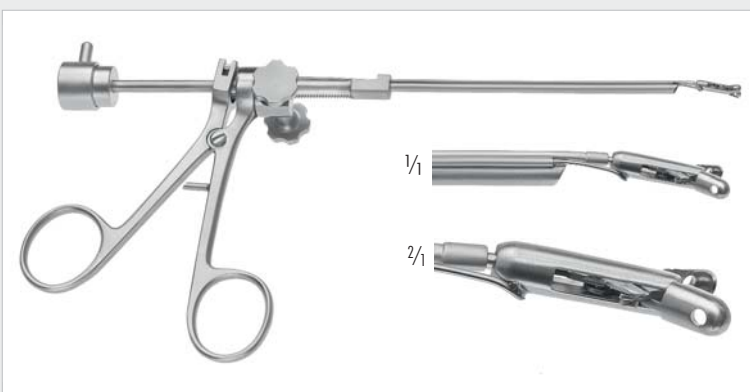
Biopsy and Grasping forceps, delicate pattern, 3 mm oval cup,  
5 1/2 inch



252-174-180

Probeexcision- und Fasszange, Schaftende biegsam,  
4 mm Löffel, vertikal öffnend, 180 mm

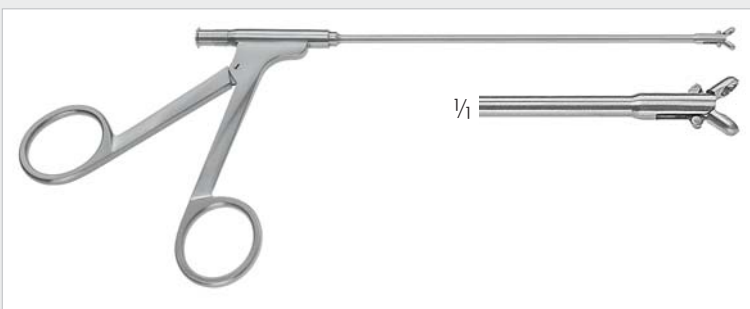
Biopsy and Grasping forceps, malleable shaft, 4 mm biopsy cup,  
vertical opening, 7 inch



252-501-140

Optische Löffel- und Faßzange, für 2,7 mm Optiken, 140 mm

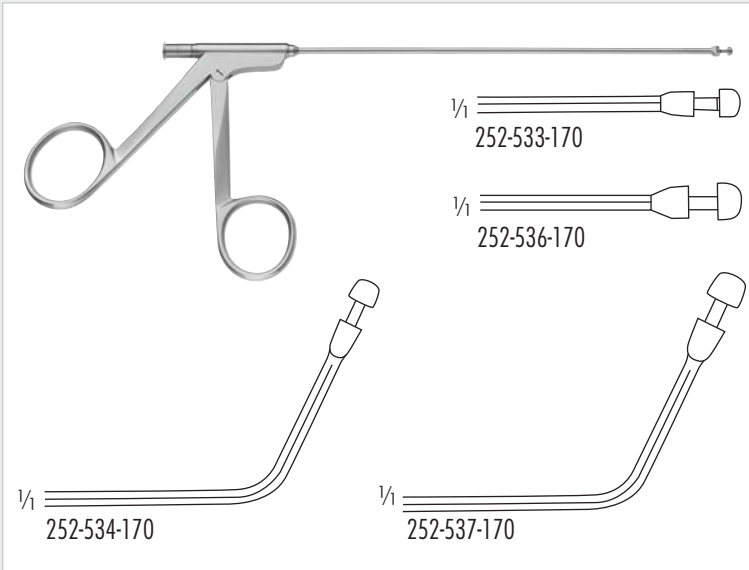
Optical Biopsy and Grasping forceps, for 2.7 mm optics, 5 1/2 inch



252-503-150

Biopsie- und Faßzange, 3mm Löffel rund, gerade, mit Luer-Lock,  
150mm Arbeitslänge

Biopsy and Grasping Forceps, 3mm round cup, straight, with luer-lock,  
150mm working length



252-533-170 Ø 3,5 mm  
252-536-170 Ø 4,5 mm

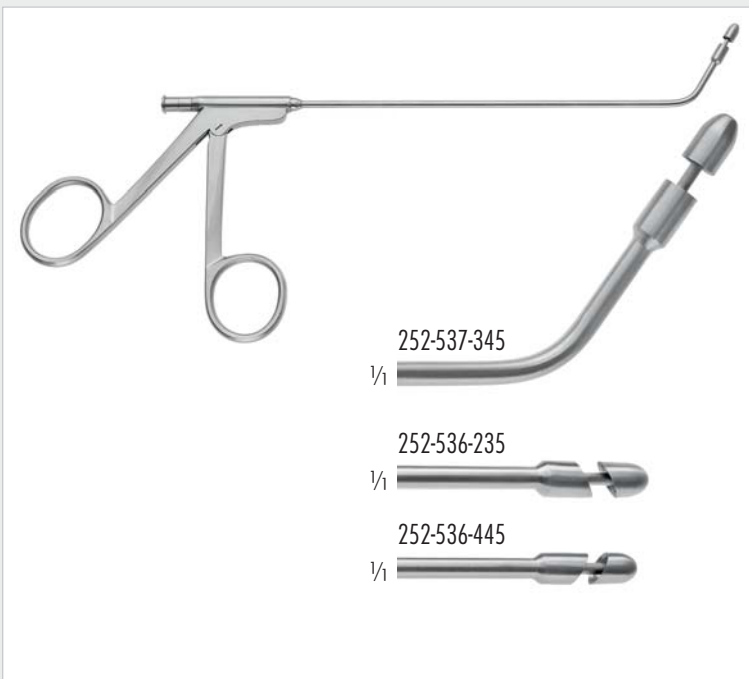
**STAMMBERGER**

Zirkular Stanze, gerade, 170 mm  
Circular punch, straight, 6 ¾ inch

252-534-170 Ø 3,5 mm  
252-537-170 Ø 4,5 mm

**STAMMBERGER**

Zirkular Stanze, 65° aufgebogen, 170 mm  
Circular punch, 65° curved up, 6 ¾ inch



252-537-335 3.5mm Ø  
252-537-345 4.5mm Ø

**RZ**

Circular Stanze, 60° aufgebogener Schaft,  
eiförmiger Schnitt, Arbeitslänge: 160 mm  
Circular Punch, 60° upturned shaft,  
egg-shaped bite, working length: 6 ¼ inch

252-536-235 3.5mm Ø  
252-536-245 4.5mm Ø

**RZ**

Circular Stanze, 120° schräger Schnitt, Arbeitslänge: 160 mm  
Circular Punch, 120° oblique bite, working length: 6 ¼ inch

252-536-435 3.5mm Ø  
252-536-445 4.5mm Ø

**RZ**

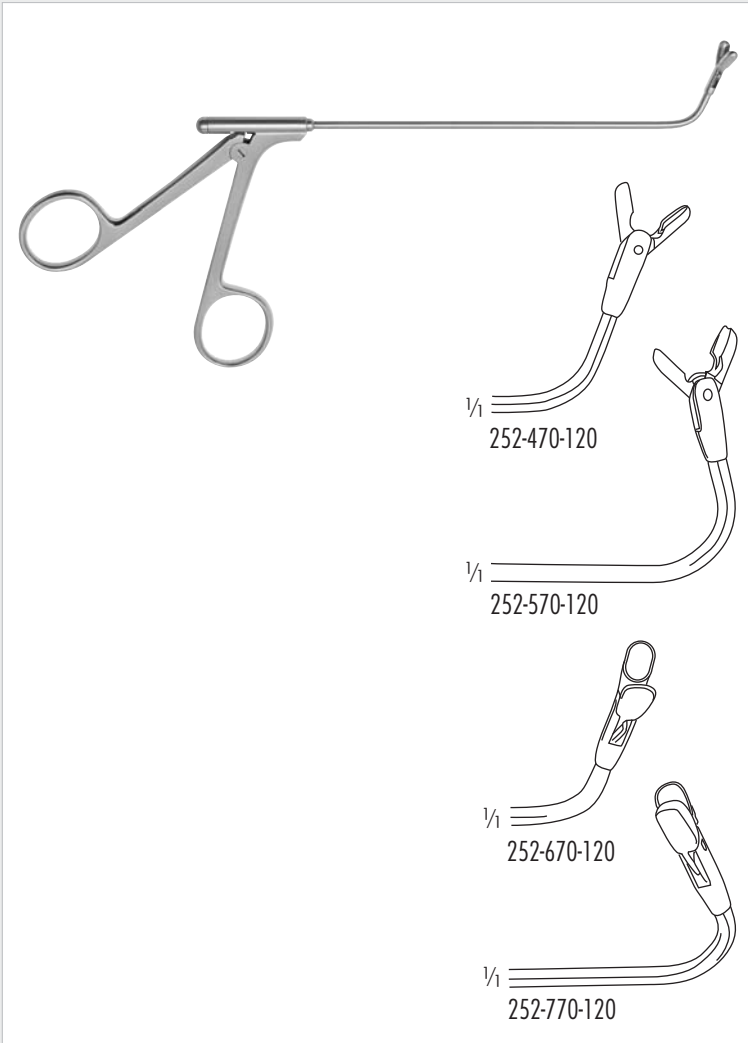
Circular Stanze, eiförmige Maulspitze,  
60° schräger Schnitt, Arbeitslänge: 160 mm  
Circular Punch, egg-shaped tip, 60° oblique bite,  
working length: 6 ¼ inch



252-534-270 3.5mm Ø  
252-537-270 4.5mm Ø

**RZ**

RZ-Circular Stanze, 70° aufwärts gebogen, mit Luer-Lock,  
Arbeitslänge: 130 mm  
Circular Punch, 70° upturned shaft, with Luer-Lock,  
working length: 5 inch



252-470-120 70° aufgebogen  
 252-570-120 110° rückwärts gebogen

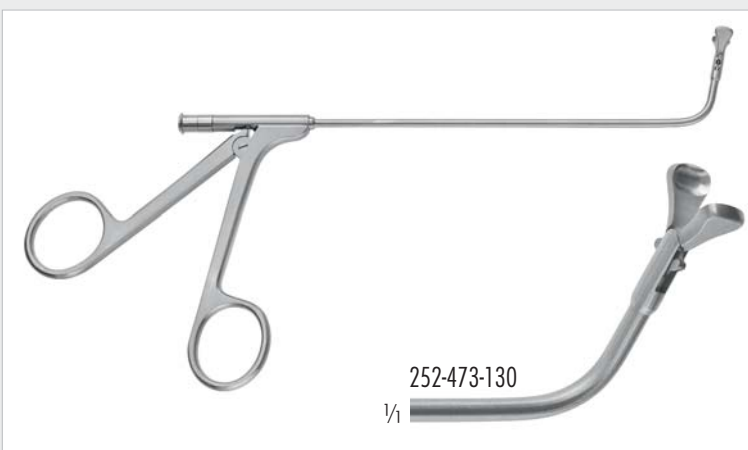
**RZ-GIRAFFE**

Doppellöffelzange, vertikal öffnend, Löffel Ø 4 mm, 120 mm  
 Biopsy forceps, vertical action, Ø 4 mm, 4 3/4 inch

252-670-120 70° aufgebogen  
 252-770-120 110° rückwärts gebogen

**RZ-GIRAFFE**

Doppellöffelzange, horizontal öffnend, Löffel Ø 4 mm, 120 mm  
 Biopsy forceps, horizontal action, Ø 4 mm, 4 3/4 inch

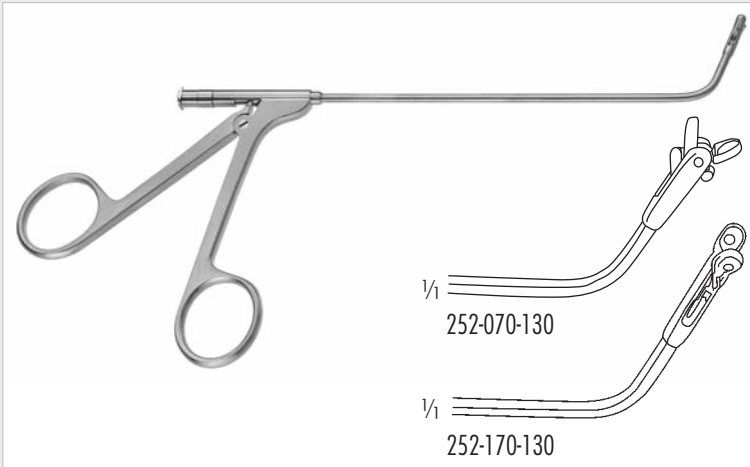


252-473-130 horizontal öffnend/horizontal opening

252-472-130 vertikal öffnend/vertical opening

Doppellöffelzange mit birnenförmigem Maulteil,  
 80° aufgebogen, Arbeitslänge: 130 mm

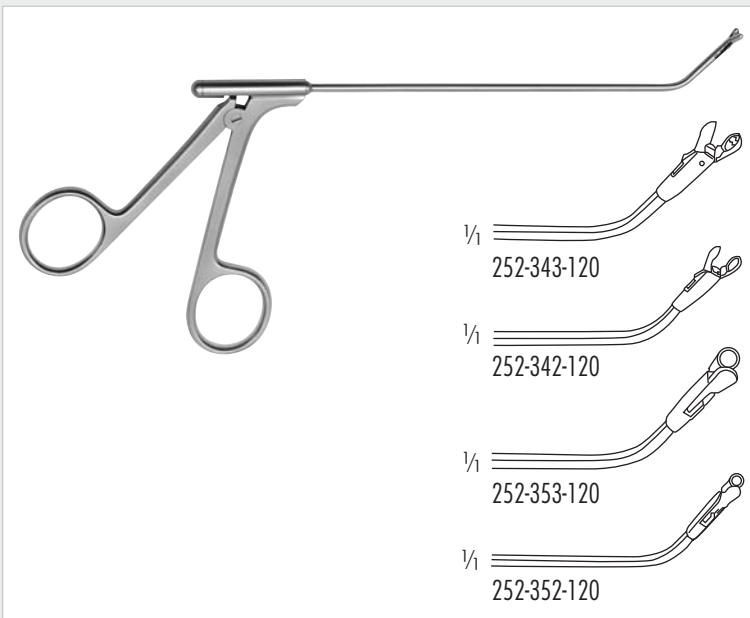
Double action Biopsy Forceps, pear shaped jaws,  
 80° angled up, working length: 5 1/8 inch



252-070-130 vertikal öffnend/vertical action  
 252-170-130 horizontal öffnend/horizontal action

**RZ-GIRAFFE**

Doppelöffelzange, 70° aufgebogen, Löffel Ø 3 mm ,  
 Arbeitslänge: 120 mm  
 Biopsy forceps, 70° angled, cup Ø 3 mm,  
 working length 4 ¾ inch



252-343-120 vertikal öffnend, Ø 3 mm, 55° aufgebogen  
 vertical action, Ø 3 mm, 55° angled up  
 252-342-120 vertikal öffnend, Ø 2 mm, 55° aufgebogen  
 vertical action, Ø 2 mm, 55° angled up  
 252-353-120 horizontal öffnend, Ø 3 mm, 55° aufgebogen  
 horizontal action, Ø 3 mm, 55° angled up  
 252-352-120 horizontal öffnend, Ø 2 mm, 55° aufgebogen  
 horizontal action, Ø 2 mm, 55° angled up

**KUHN-BOLGER**

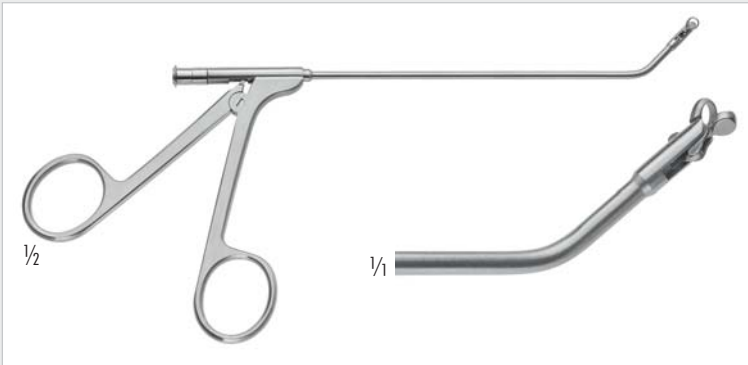
Doppelöffelzange, 120 mm  
 Giraffe forceps, 4 ¾ inch



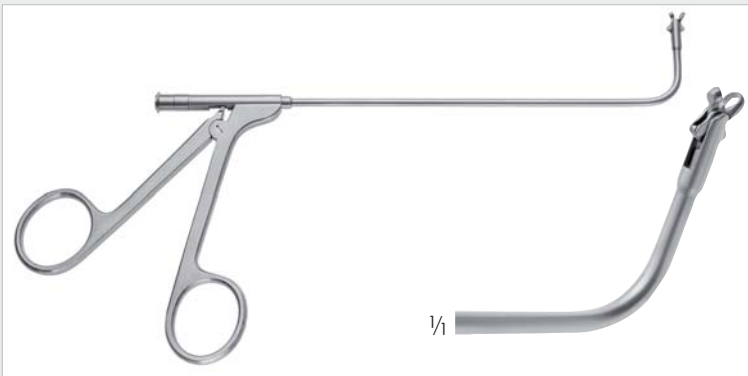
252-362-120 horizontal öffnend, Ø 2 mm, 90° aufgebogen  
 horizontal action, Ø 2 mm, 90° angled up  
 252-372-120 vertikal öffnend, Ø 2 mm, 90° aufgebogen  
 vertical action, Ø 2 mm, 90° angled up

**KUHN-BOLGER**

Doppelöffelzange , 120 mm  
 Giraffe forceps, 4 ¾ inch



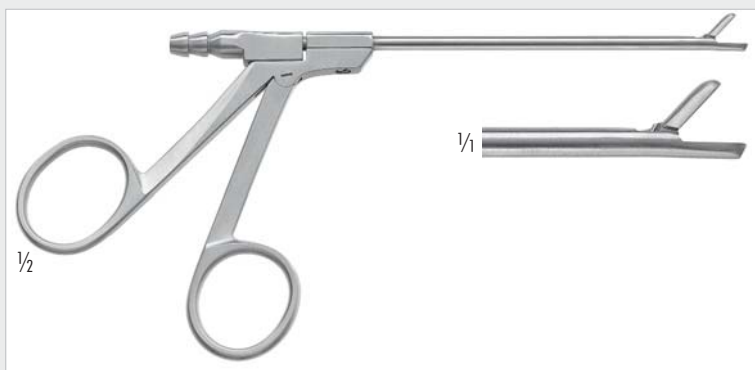
252-606-345 45° aufgebogen/45° upwards curved  
 252-606-390 90° aufgebogen/90° upwards curved  
 Sinuskopie Stanze, durchschneidend, 3mm runder Schnitt,  
 horizontal öffnend, Arbeitslänge: 130 mm  
 Sinuscopy Punch, through cutting, 3 mm round bite,  
 horizontal opening, working length: 5 1/8 inch



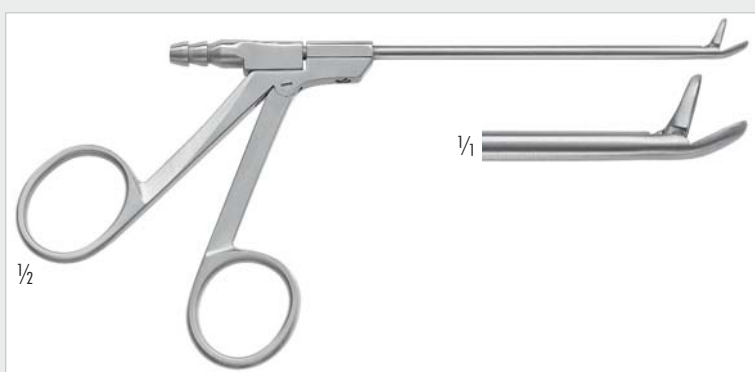
252-605-090 Vertikal öffnend/vertical opening  
 252-606-090 Horizontal öffnend/horizontal opening  
 Sinuskopie Stanze, durchschneidend, 2 mm runder Schnitt,  
 90° aufgebogen, Arbeitslänge: 130 mm  
 Sinuscopy Punch, through cutting, 2 mm round bite,  
 90° upwards curved, working length: 5 1/8 inch



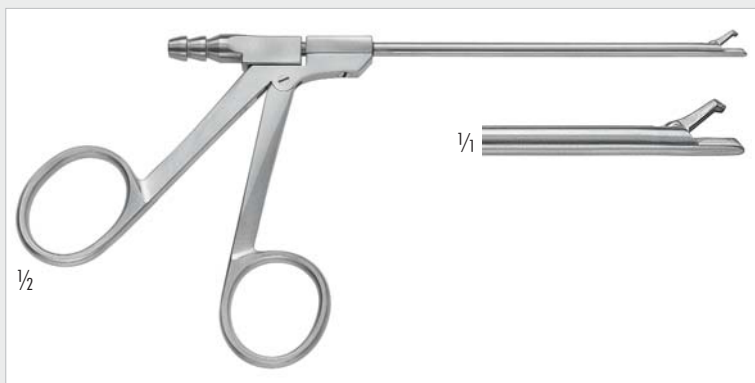
252-600-070 nach oben öffnend/backward opening  
 252-601-070 nach rechts öffnend/right side opening  
 252-602-070 nach links öffnend/left side opening  
**GRUENWALD**  
 Sinuskopie Zange, durchschneidend, 2 mm Schnitt, 70° aufgebogen,  
 Arbeitslänge: 130 mm  
 Sinuscopy Forceps, through cutting, 2 mm bite, 70° upwards curved,  
 working length: 5 1/8 inch



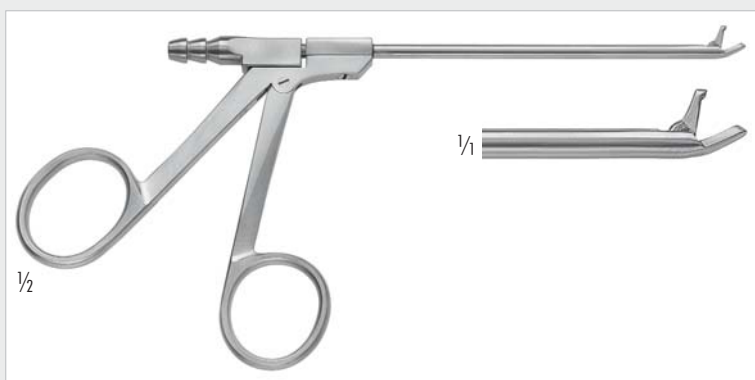
252-021-100 Größe 1/Size 1, 2.5mm  
 252-022-100 Größe 2/Size 2, 3.5mm  
 252-023-100 Größe 3/Size 3, 4.0mm  
**BLAKESLEY**  
 Saugstanze, gerade, 100 mm Arbeitslänge, Ø 4mm  
 Suction Punch, straight, 4 inch working length, Ø 4mm



252-121-100 Größe 1/Size 1, 2.5mm  
 252-122-100 Größe 2/Size 2, 3.5mm  
 252-123-100 Größe 3/Size 3, 4.0mm  
**BLAKESLEY**  
 Saugstanze, 45° aufgebogen, 100 mm Arbeitslänge, Ø 4mm  
 Suction Punch, 45° upcurved, 4 inch working length, Ø 4mm



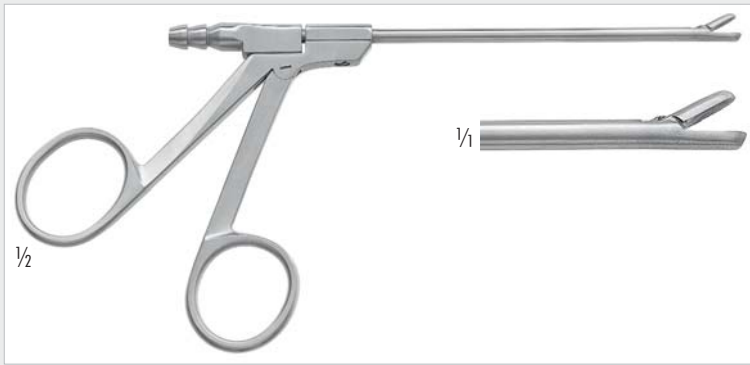
252-502-100  
 Biopsie Zange mit Absaugung, 2mm breit, durchschneidend,  
 Arbeitslänge: 100mm  
 Biopsy Forceps with suction, 2mm wide, thru-cutting,  
 working length: 4 mm



252-502-145  
 Biopsie Zange mit Absaugung, 2mm breit, durchschneidend,  
 45° aufwärts gebogen, Arbeitslänge: 100mm  
 Biopsy Forceps with suction, 2mm wide, through-cutting,  
 45° upcurved, working length: 4 inch

252-503-145  
 Schaft 15° aufwärts gebogen  
 Shaft 15° upcurved

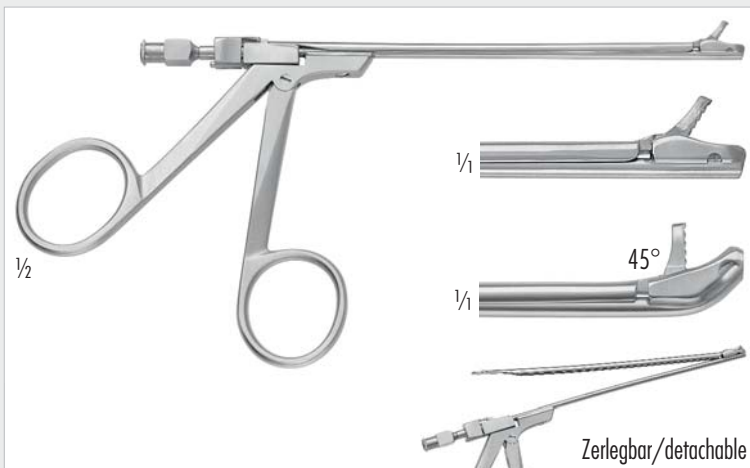




- 252-010-025 2.5mm, gerade/straight
- 252-010-035 3.5mm, gerade/straight
- 252-011-025 2.5mm, 45° aufgebogen/45° upcurved
- 252-011-035 3.5mm, 45° aufgebogen/45° upcurved

**TAKAHASHI**

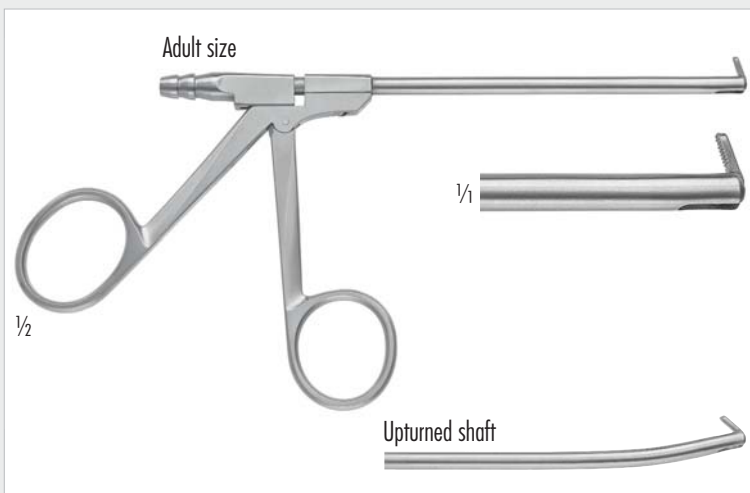
Saugstanze für Biopsie und Greifen, Ø 4mm,  
Arbeitslänge: 100 mm  
Suction Punch for biopsy and grasping, Ø 4mm,  
working length: 4 inch



- 252-504-100 gerade/straight
- 252-505-100 45° aufgebogen/45° upcurved

**BLAKESLEY**

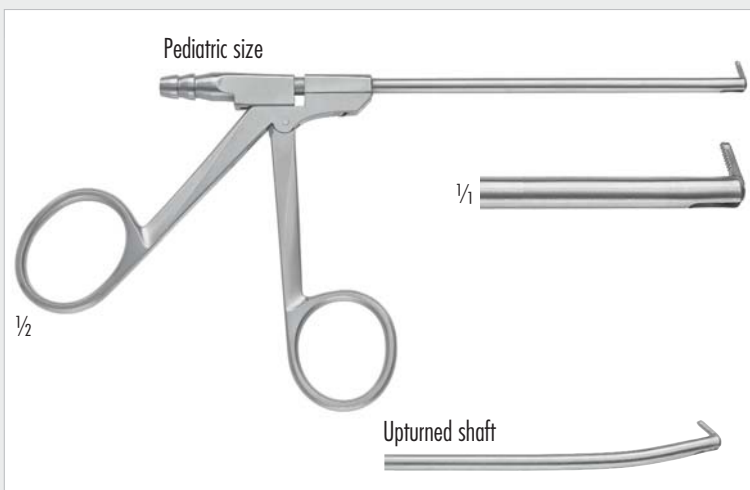
Biopsie Zange mit frontaler Absaugung, 2,5mm breit,  
durchschneidend, zerlegbar, Arbeitslänge: 100 mm  
Biopsy Forceps with frontal suction channel, 2.5mm wide,  
through-cutting, detachable, working length: 4 inch



- 252-015-500 Aufwärts/upside
- 252-015-510 Links/left
- 252-015-520 Rechts/right
- 252-015-600 Aufgewinkelter Schaft, aufwärts  
Upturned shaft, upside

**OSTROM**

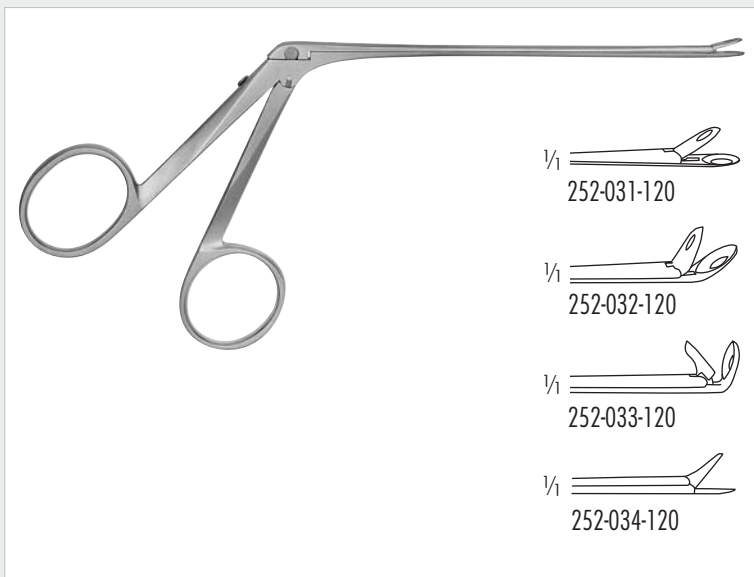
Saugstanze, gerade, Ø 5mm, rückwärts schneidend, 2,5mm Schnitt,  
Arbeitslänge: 100 mm  
Suction Punch, straight, backward cutting, Ø 5mm, 2.5mm bite,  
working length: 4 inch



- 252-015-300 Aufwärts/upside
- 252-015-310 Links/left
- 252-015-320 Rechts/right
- 252-015-400 Aufgewinkelter Schaft, aufwärts  
Upturned shaft, upside

**OSTROM**

Saugstanze, Ø 4mm, rückwärts schneidend, 2,0mm Schnitt,  
Arbeitslänge: 100 mm  
Suction Punch, Ø 4mm, backward cutting, 2.0mm bite,  
working length: 4 inch



- 252-031-120 gerade/straight
- 252-032-120 45° aufgebogen/45° angled up
- 252-033-120 90° aufgebogen/90° angled up

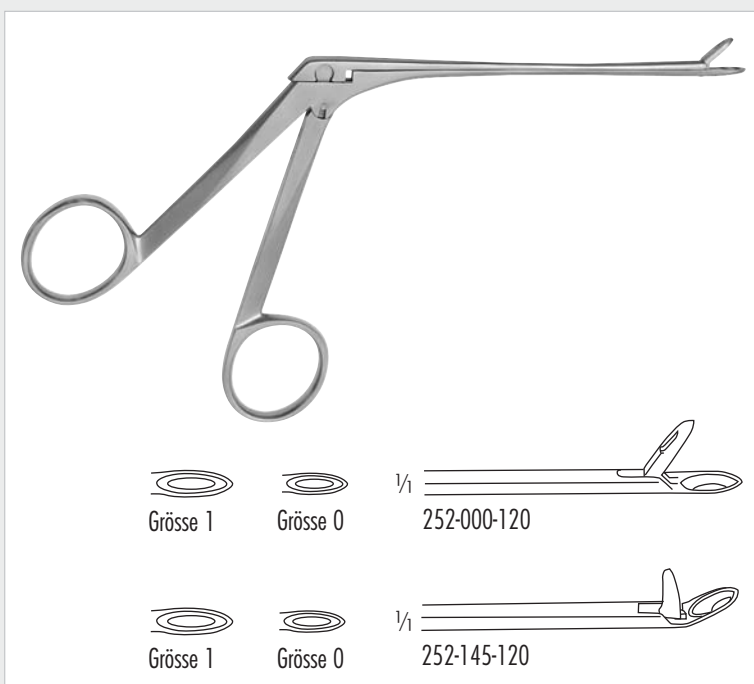
**STRUEMPEL**

Nasenzängchen, mit ovalem, gefensterterem Löffelmaul, 120 mm  
 Nasal forceps with oval fenestrated cupped jaws, 4 ¾ inch

252-034-120

**BELLUCCI**

Scherchen, gerade, 100 mm  
 Scissors, straight, 4 inch



- 252-143-120 Größe/size 0, 2 mm
- 252-144-121 Größe/size 1, 2.5 mm

**STRUEMPEL-VOSS**

Blakesley Zange, gerade, 120 mm  
 Blakesley forceps, straight, 4 ¾ inch

- 252-145-120 Größe/size 0
- 252-146-121 Größe/size 1

**STRUEMPEL-VOSS**

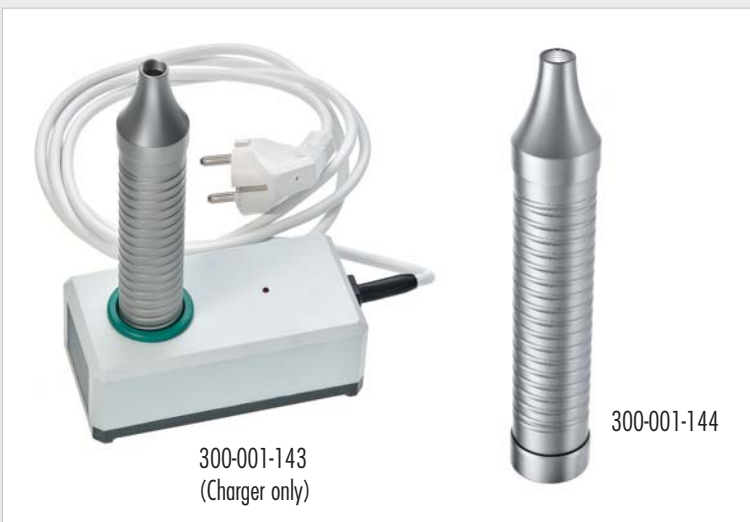
Nasenzange, fein, 45° aufgebogen, 120 mm  
 Nasal forceps, delicate, 45° angled up, 4 ¾ inch



300-001-142

RZ Mobile LED Kaltlichtquelle, 5W, 56000Lux, 5800°K  
inkl. Ladestation, rostfreier Stahl

RZ mobile LED Cold light source, 5W, 56000Lux, 5800°K  
incl. charging unit, stainless steel



300-001-143  
(Charger only)

300-001-144

300-001-144

RZ Mobile Kaltlichtgriff für Endoskopie, LED-Beleuchtung, rostfreier Stahl  
RZ Mobile cold-light handle for Endoscopy, LED illumination,  
stainless steel

300-001-143 110-230V

RZ Mobile Ladestation für Kaltlichtgriff, LED Beleuchtung  
RZ Mobile charging station for cold-light handle, LED illumination

**FULL HD**



300-001-800 HD Camera F3 - High End

## PURE NATURAL COLORS



F3 - The pride of the RZ Equipment range and flagship in medical camera systems. A Full HD camera system generates crystal clear images of highest resolution with 1920 x 1080 p. The latest MOS technology produces pure natural colors for safe and unequivocal diagnoses. A user-friendly multilingual menu allows a large variety

of setups for individual procedures and surgeons preferences. The ergonomic camera head features 3 remote control buttons which can be programmed by the user as required during surgery. A multitude of digital video outputs allows the best possible picture transmission to the medical grade monitors.

### Features:

- 3-Chip Full HD camera with latest MOS technology for brilliant picture quality
- User-friendly multilingual menu allows a large variety of setups for individual procedures and surgeons preferences
- Ergonomic camera head with 3 programmable remote control buttons by the user as required during surgery

- Multitude of digital video outputs for best possible picture transmission to the medical grade monitors
- Full HD • HDMI output
- White balance, boost function • On-screen-menu
- 3 user settings storable • 2.5x digital zoom
- Freeze function • Character generator

### Delivery contains:

- Main Unit • Camera head • YPbPr/RGB cable
- BNC cable • HDMI - DVI cable • HDMI cable
- S-Video cable • Jack Cable • Mains cable
- User manual



300-001-802  
High-End camera  
head included



**FULL HD**

**300-001-802**  
High-End 3-Chip Camera Head  
Full HD 1920 x 1080 p



**300-001-615**  
Title generator keyboard, waterproof IP68  
US-Layout, PS/2 Connector, cable 1.8m  
Color: grey, 305x140x15mm, 600gr.



**300-001-610**  
Footswitch for HD Cameras,  
cable length: 2m



User-friendly, splash-proofed display



Skid-proof pedestals

## Technical Data

### Camera head

- Aspect ratio: 16:9
- Image sensor: 3 - Chip
- Immersible (using the attached cap)

### System

- Image resolution:  
Full HD 1920 x 1080
- TV resolution: > 1000 lines
- Sensivity: < 3 lux (1/1.4)
- White balance automatically,  
with data hold  
shutter speed: 1/50 (1/60)  
to 1/100.000 sec
- Power supply: 100 / 240 V,  
50-60 Hz
- Power consumption: 20W
- Fuses: 2 Fine fuses, 5x20 mm,  
delay acting 3,15 AT (I=1500A)

### Video out terminal

- 2 x HD SDI
- 1 x HDMI / DVI
- 1 x YPbPr (Component)
- 1 x Y/C (Pal / NTSC)
- 1 x CVBS (Pal / NTSC)

### Standard

- Protection class: I
- Application part: Type BF
- IEC 601-1, EN 60601-1;  
classification acc. 93/42/EEC: I

### Dimensions

- Control unit: 380 x 120 x 360 mm  
(WxHxD); 11 kg



300-001-600 HD Camera F1

The new F1 Camera system fulfills the need of high resolution in Video Endoscopic Surgery. Thanks to Full HD resolution combined with newest technology this camera generates cristal-clear images with highest attention to detail that allows better diagnostics and efficient surgery.

Features:

- 1-Chip Full HD camera of the latest generation, with superior image quality in high definition
- Natural color reproduction
- High-end image quality is provided by fully digital, high-speed image processing, separated for red, green and blue channels
- Significantly higher image quality and virtually all movements are eliminated
- Full HD • HDMI out • White balance, boost function
- On-screen-menu • 3 user settings storable • 2.5x digital zoom
  
- Freeze function • Character generator

Technical Data

Line Voltage	100-240 VAC
Sensor	1/3" MOS
TV resolution	1920x1080 pixels (Full HD)
Image resolution	>1000 TV lines, horizontal
Index ratio	16:9
Min. sensitivity	<3lx (1/1.4)
Video Outputs	1 x HDMI 1 x YPbPr / RGB 1 x S-Video (Y/C; Pal / NTSC) 1 x Video (CVBS; Pal / NTSC)

Manufactured and tested according to	IEC 601-1, EN 60601-1, MDD 93/42/EEC
CE marking according to	MDD 93/42/EEC
Protection Class	I
Application part	BF
Dimensions	Control Unit: 380 x 120 x 360 mm (WxHxD), 11kg Camera Head: 105g

# Full HD

Delivery contains:

- CCU • Camera head with 3m cable
- Mains cable • YPbPr/RGB cable
- BNC cable • HDMI - DVI cable
- HDMI cable • RGB cable
- User manual

Optional available:

- 300-001-615 Title generator keyboard
- 300-001-610 Footswitch for HD Cameras



USB port for use with flash drives to record data

### 300-001-410 Camera Z2

The new Z2 Endoscopic Camera is a universal system suitable for both diagnostics and surgery.

The 1CCD technology generates clear pictures with a high resolution and natural colors. A digital Anti Moiré filter automatically eliminates disturbing distortions when using flexible endoscopes. Pictures and Movies can be stored easily on a USB stick. The collected information

Features:

- State-of-the-art CCD-Camera, true colour reproduction
- All features of the camera can be directly controlled and set up on a menu
- To be prepared to work under extreme illumination conditions, the control unit offers further features to improve the image quality (WINDOW- and PEAK-function)
- Lightweight camera head ensures fatigue-free working

can be used for an extensive documentation of the procedure. The lightweight camera head ensures a fatigue-free working. All features of the camera can be directly controlled and set up on a menu which is shown on the monitor. The 3 remote control buttons on the camera head can be programmed by the user as required during surgery.

Delivery contains:

- CCU • Camera head • USB cable • Composite cable
- YPbPr/RGB cable • BNC cable • Jack cable
- 4GB USB Stick • Mains cable • User manual

### Technical Data

Line Voltage	100-240 VAC, 50-60 Hz
Resolution	active pixels: - 752 H x 582 V - 768 H x 494 V
TV resolution	470 lines
Sensitivity	1 lux (1/1.4)
Aspect ratio	4:3
Image Sensor	1/3" CCD
Video Outputs	<ul style="list-style-type: none"> <li>• 2 x CVBS (1Vpp/75Ω), BNC</li> <li>• 2 x Hosiden (Y/C)</li> <li>• 1 x YPbPr</li> <li>• 1 x SDI</li> <li>• 1 x USB</li> </ul>

Protection Class	I
Application part	BF
Manufactured and tested according to	IEC 601-1ff, EN 60601-1ff
CE marking according to	MDD 93/42/EEC
Dimensions	Control Unit: 380 x 120 x 360 mm (WxHxD), 11kg Camera Head: 105g



300-001-400 Camera Z1

The new Z1 Endoscopic Camera is a universal system suitable for both diagnostics and surgery. The 1CCD technology generates clear pictures with a high resolution and natural colors. A digital Anti Moiré

filter automatically eliminates disturbing distortions when using flexible endoscopes. All features of the camera can be directly controlled and set up on a menu which is shown on the monitor.

**Features:**

- State-of-the-art Color - CCD-Camera
- True color reproduction
- To be prepared to work under extreme illumination conditions, the control unit of the camera offers further features to improve the image quality (WINDOW- and PEAK-function)
- Lightweight camera head ensures a fatigue-free working

**Delivery contains:**

- CCU • Camera head • USB cable • Composite cable
- YPbPr/RGB cable • BNC cable • Jack cable
- Mains cable • User manual

**Technical Data**

Line Voltage	100-240 VAC, 50-60 Hz	Protection Class	I
Resolution	active pixels: - 752 H x 582 V - 768 H x 494 V	Application part	BF
TV resolution	470 lines	Manufactured and tested according to	IEC 601-1ff, EN 60601-1ff
Sensitivity	1 lux (1/1.4)	CE marking according to	MDD 93/42/EEC
Aspect ratio	4:3	Dimensions	Control Unit: 380 x 120 x 360 mm (WxHxD), 11kg Camera Head: 105g
Image Sensor	1/3" CCD		
Video Outputs	<ul style="list-style-type: none"> <li>• 2 x CVBS (1Vpp/75Ω), BNC</li> <li>• 2 x Hosiden (Y/C)</li> <li>• 1 x YPbPr</li> <li>• 1 x SDI</li> </ul>		



FULL COMPLEMENT OF HEAD CONFIGURATIONS



300-001-813 f=14mm  
 300-001-814 f=25mm  
 300-001-815 f=28mm  
 c-mount, soakable, Full HD



250-018-050  
 Zoom parfocal  
 Stays in focus while adjusting  
 zoom magnification  
 f=18-50 mm, c-mount, soakable  
 Full HD



250-015-036  
 Zoom-TV-Adapter  
 f=15 - 36mm  
 c-mount, soakable  
 Full HD



250-020-025 F=25mm (splitting 90/10)  
 250-020-030 F=30mm (splitting 90/10)  
 Beamsplitter, allows simultaneous video and  
 direct views, c-mount, soakable, Full HD



250-022-025 F=25mm  
 250-022-030 F=30mm  
 Angled 90°, with swivel and fixation,  
 c-mount, soakable, Full HD

**FULL HD**



## DAViD instinctive diagnostic & record central data software

Software system for the collecting and archiving of video findings in the medical field based on state-of-the-art PC technology Windows VISTA / XP, DirectX, DV digital Video – device independent

### Multilingual

English, French, German, Italian, Russian, Spanish

### Intuitive

dialog-oriented user interface for smooth integration into everyday practice

### Ready for network

one point data storage and simultaneously video recordings

### Integrated license module

after a demo period of 30 days the software needs to be activated via an activation key

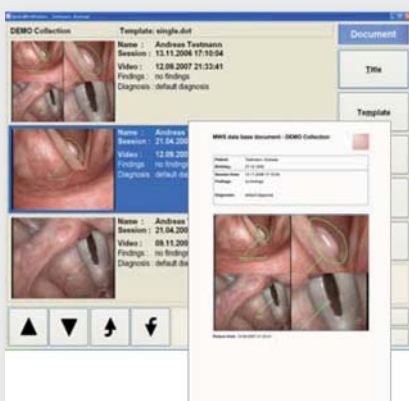
300-001-190 Software, full Version

300-001-192 Software, without recording possibilities



### Diagnostics & Results

- high video and freeze image quality / natural reproduction of motion sequences
- Multiple-split display during recording and playing
- automatic optimization of stroboscopic recordings
- recording controllable by foot or camera switch
- simple-to-use video cut function
- integrated database of findings and diagnoses allows quick workflow
- **integrated On-Screen-Keyboard for touch screen displays**



### Recordings & Documentation

- graphics marks for emphasizing of findings
- MPEG2 video export with optional overlay of patient data and session comments
- integrated CD/DVD recording
- image export in the DICOM format
- Compare-function for videos and pictures
- automatic creation of diagnostic letters in MS Word format with freely definable document templates
- textual export of patient and diagnostic data for passing on and statistical evaluations



### Management

- patient data is stored in structured database
- automatic assignment of videos, findings, diagnoses and comments to patients and data sets
- search and edit functions
- drag'n'drop import of pictures and documents
- native support for MediCapture USB sticks
- data exchange with other systems via remote interface
- user management for controlling access and edit rights

**LED**



300-900-300 LUMEN LED 3

## PHASER<sup>®</sup> TECHNOLOGY

Latest PHASER<sup>®</sup> Technology for unsurpassed medical lighting. Excellent light sources are characterized by high color rendering, high luminance and a very low ultraviolet and infrared radiation. With the LUMEN LED 3 light source RZ Medizintechnik offers the latest

### Features:

- More than 10.000h lamp lifetime
- Latest PHASER<sup>®</sup> – Technology
- Waterproof touch control panel
- High color rendering
- High luminance
- Daylight color temperature
- Low noise level
- No UV or IR light
- Low power consumption

### Technical Data

Mains voltage	100-240 VAC, 50-60 Hz
Power consumption	300W
Mains fuses	2 Fine fuses, 5x20mm, delay acting 6,3 AT, with high breaking capacity (I <sub>a</sub> = 1500 A)
LED Lifetime	> 10.000h
Color temperature	6000 – 6500° K
Connections	Light guide STORZ
Video-IN terminal	1 x VHS (BNC)
Service	1 x RJ45
Storage temperature	- 20°C to +60°C
Operation temperature	+10°C to +40°C

technology in medical lighting, Made in Germany. Whether the light source is used with modern head lights or in endoscopic surgeries, the new PHASER<sup>®</sup> technology always generates enough light for meaningful pictures.

### Delivery contains:

- Main Unit
- BNC cable
- Mains cable
- User manual



Automatic light control



Controlable daylight quality

Relative humidity	
Storage:	10% to 90%
Operation:	30% to 75%
Atmospheric pressure	
Storage:	600 mbar to 1300 mbar
Operation:	700 mbar to 1060 mbar
Classification / Conformity	1 / BF
Test according to	IEC 601-1ff, EN 60601-1ff
CE marking according to	MDD 93/42/EEC
Dimensions	380 x 125 x 360 mm (WxHxD)
Weight	approx. 12.5 kg

**LED**



300-900-180 LUMEN LED 1

Benefit of the newest LED technology - this Light Source offers increased luminous efficiency by lowest heat conduction and operating costs. The daylight quality LED Lamp lifetime is more than 20.000 hours to provide enhanced working.

Features:

- More than 20.000h lamp lifetime
- Manual or automatic light control
- Waterproof touch control panel
- Low heat conduction by improved LED technology
- Daylight color temperature 6000 – 6500° K for accurate color representation

Delivery contains:

- Light source
- Mains cable
- BNC cable
- User manual



Automatic or manual light intensity control



Digital light intensity display

## Technical Data

Lamp	100W LED (approx. 1300 lm) Daylight quality, 6000-6500 K Lifetime: more than 20.000 hr	Video In (opt.)	1x Video, 1x S-Video (Y/C) (automatic Version only)
Light guide connection	RZ/Storz adapter	Standard	Protection class: I Application part: Type BF IEC 601-1, EN 60601-1; classification acc. 93/42/EEC: I
System	Power supply: 100/240 VAC, 50-60 Hz Fuses: 2 Fine fuses, 5x20mm, delay 6,3 AT (I=1500A) Power consumption: 100W	Dimensions	380 x 120 x 360 mm (WxHxD); 11 kg



300-001-308 LUMEN X7	300-001-305 LUMEN X5	300-001-200 LUMEN X2
2 turret adapters (revolvable) • RZ, Storz • Wolf • Olympus • ACMI	1 turret adapter (revolvable) • RZ, Storz • Wolf • Olympus • ACMI	1 turret adapter (revolvable) • RZ, Storz • Wolf • Olympus • ACMI
300 Watt Xenon arc lamp 150 Watt Halogen spare lamp	300 Watt Xenon arc lamp –	180 Watt Xenon arc lamp –
Power Consumption: 370 Watt	Power Consumption: 370 Watt	Power Consumption: 250 Watt

These new high-performance Xenon daylight sources provide excellent illumination and a long lamp lifetime for at least 500 hours. After activating the automatic function and with plugged BNC-Cable, the device

automatically controls the intensity to guarantee the optimal image for the surgeon. The turret adapter enables an universal connection of the most common light guides.

Features:

- Automatic light intensity control • Pure daylight quality • Easy lamp replacement • > 500hr lamp lifetime
- Mechanical diaphragm to adjust the output intensity without any influence on the color temperature

Delivery Contains:

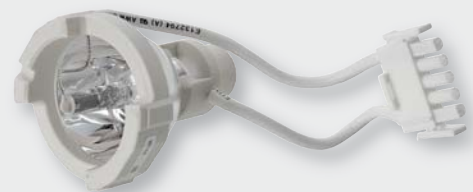
- Light Source • BNC Cable • Mains Cable • User Manual



Automatic and manual light control



Lamp lifetime indicator



300-001-181 XENON Spare Lamp 180 Watt  
300-001-301 XENON Spare Lamp 300 Watt

Technical Data

System	Power supply: 100-240 V AC, 50-60 Hz	Application part	Type BF
Fuses	2 Fine fuses, 5x20 mm, delay 6,3 AT (I=1500A)	Classification	IEC 601-1, EN 60601-1
Video In	1 x VBS (1Vpp/75 ), BNC only)	CE marking according to	MDD 93/42/EWG
Protection class	I	Dimensions	380 x 120 x 360 mm (WxHxD)
		Weight	approx. 11kg



X3

**Xenon**<sup>54</sup>



X1

**Xenon**<sup>54</sup>

300-001-300 LUMEN X3	300-001-180 LUMEN X1
300 Watt Xenon arc lamp	180 Watt Xenon arc lamp
Power Consumption: 370 Watt	Power Consumption: 250 Watt

Pure daylight quality together with low noise and heat conduction - this Xenon Light Sources offers all functions needed to illuminate the field of view. The lamp can be replaced simply.

Features:

- Manual light intensity control
- Pure daylight quality
- Easy lamp replacement
- > 500hr lamp lifetime
- Lap fixed in a reflector - calibration is not necessary
- Mechanical diaphragm to adjust the output intensity without any influence on the color temperature
- RZ/Storz light guide

Delivery Contains:

- Light Source
- BNC Cable
- Mains Cable
- User Manual



Manual light intensity control



Lamp lifetime indicator



300-001-181 XENON Spare Lamp 180 Watt  
300-001-301 XENON Spare Lamp 300 Watt

Technical Data

System	Power supply: 100-240 V AC,	50-
60 Hz		
Fuses	2 Fine fuses, 5x20 mm,	
	delay 6,3 AT (I=1500A)	
Video In	1 x VBS (1Vpp/75 ), BNC only)	
Protection class	I	

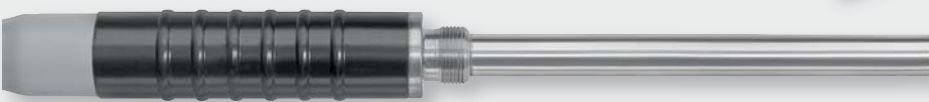
Application part	Type BF
Classification	IEC 601-1, EN 60601-1
CE marking according to	MDD 93/42/EWG
Dimensions	380 x 120 x 360 mm (WxHxD)
Weight	approx. 11kg

## High Temperature XENON Light Cables

The advanced High Temperature Xenon Light cables feature a built-in glass rod on the light source side to protect the fibers from melting when the cables are used with high-power Xenon light sources.

All 3.5mm and 4.8mm light cables feature a robust silicone hose to protect the light cables against damages like cuts or crushes.

A bending protection on the connectors is a basic feature of every RZ High Temperature Xenon Light cable.



Adaptor pieces for fibre light guide to use with light source

XENON light guide, without adaptor pieces

- 250-035-180 Ø 3.5 mm, 1800 mm
- 250-035-230 Ø 3.5 mm, 2300 mm
- 250-035-300 Ø 3.5 mm, 3000 mm
- 250-048-180 Ø 4.8 mm, 1800 mm
- 250-048-230 Ø 4.8 mm, 2300 mm
- 250-048-300 Ø 4.8 mm, 3000 mm



3.5 mm and 4.8 mm fiber optic



250-039-000 RZ/Storz



250-037-000 Wolf



250-038-000 ACMI/British Standard  
CUDA



250-044-000 Olympus



250-048-000 Luxtec



250-045-000 Olympus - Standard



250-051-000 Stryker



250-052-000 Heine



250-042-000 RZ/Storz/Olympus



250-040-000 Wolf



250-041-000 ACMI/British Standard



250-059-000 Pentax

Adaptor pieces for fibre light guide to use with endoscope





700-350-400  
Highfrequency Surgery Generator  
for bipolar TUR-B/P and monopolar TUR-P

- Detects and identifies connected instrument automatically
- Powerstart System simplifies the beginning of cutting process
- Automatic power regulation
- 105 different memory locations in 7 groups
- Various output configuration of the sockets available
- Footswitch



Touchscreen

## Technical Data

### SAFETY FEATURES

Class / Grade	I / CF
Low-frequency leakage currents	acc. to IEC 60601-1
High-frequency leakage currents	acc. to IEC 60601-2-2
Generator operation frequency	333 kHz
Defibrillation impulse resistance	acc. to to EN 60601-1
NEM System	neutral electrode control optical indication 7 levels required resistance < 240 Ω

### ARGON\*

Gas Type	pure argon 4.8 (99,998%) or higher
Inlet gas pressure	0.25-0.4 [MPa]
Gas Outflow	0.1-10 l/min, regulated 0.1 l/min in whole range
Pressure Range	reducer (0.4 MPa) on argon cylinder

### THERMOSTAPLER® \*\*

Vessel sealing system	9 effects/300W
AutoStop	automatic stop of sealing process after achieving the optimal effect

### WEIGHT AND DIMENSIONS

Weight	12.2kg
Dimensions	495 x 415 x 225mm (LxWxH)

### POWER SUPPLY

Supply voltage	230 V +/- 10% 50 Hz or 110 V +/- 10% 60 Hz
Rated power input	500W





## Cutting and Coagulation features

### MONOPOLAR CUTTING

Mono Cut	9 effects/350W
Precise Cut	9 effects/50W
Mixed Cut	9 effects/150W
Polipo Cut**	9 levels
Papillo Cut**	9 levels
Arthro Cut**	9 levels
Uro Cut**	9 levels
Hystero Cut**	9 levels
Argon Cut**	9 effects/350W

### BIPOLAR CUTTING

Bi-Cut**	9 effects/120W
Uro Bi-Cut**	9 levels
Arthro Bi-Cut**	9 levels

### MONOPOLAR COAGULATION

Soft Coag	9 effects/200W
Forced Coag	9 effects/200W
Spray Coag	80W
Hybrid Coag	9 effects/200W
Standard Argon*	80W
Endo Argon*	40W
Pulse Argon*	40W
Uro Coag**	9 levels
Arthro Coag**	9 levels
Hystero Coag**	9 levels

### BIPOLAR COAGULATION

Soft Bi-Coag	9 effects/120W AutoStart/AutoStop
Forced Bi-Coag	9 effects/120W AutoStop
Uro Bi-Coag**	9 levels
Arthro Bi-Coag**	9 levels
Sciss Bi-Coag**	9 levels

Modifications of technical specification or design are subject to change without prior notice.

\* available only for Argon version

\*\* special mode available only for dedicated SDS cable/instrument connected



The **RZ iLumen Endovue** offers a high definition interface (HDTV) featuring high brightness, high resolution, exceptional contrast, and true color reproduction with unsurpassed visual quality. The RZ iLumen delivers the key advantages of the series from RZ in environments where only video-based images are required. Multiple sizes and high flexibility make it ideal for a wide variety of surgical and other applicati-

ons. High Definition Imaging, Superior Clarity, Consistency, Quality, Fastest Response time (10-16ms), Widest Viewing Angle, Widest colour Gamut, Programmable User and Modality Preferences, Re-Drive Capability Enables Image Viewing on Multiple Displays, Video-Switching with Serial Port Interface, Save low Voltage 24 VDC Remote Power, Compact and lightweight.

Model / Type	300-001-145	300-001-149	300-001-146
Size	15" / 20.0x9 inches	19" / 14.8x11.9 inches	24" / 20.4x12.8 inches
Resolution	1024x768 (XGA)	1280x1024 (SXGA)	1920x1200 (WUXGA)
Signal Input	SVideo, Composite, RGBS, DVI		
Viewing angle	178°		
LCD Panel	TFT Active Matrix		



The **RZ HD iLumen RADIANCE** surgical flat panel display is the worldwide LCD monitor of choice for surgeons and operating rooms. Its superior HDTV capabilities including HD – SDI and YPbPr – and sophisticated signal processing produce sharp, accurate, true and very bright images. The RZ iLumen is the only medical-grade flat panel for simultaneous use as a Radiology, Fluoroscopy, Physiology, and/or minimally Invasive Surgery display.

Full HD and Digital Capable, Full Range of Analog Surgical Inputs, DICOM Response DVI Input for PACS, Fingertip/Footswitch Instant Remote Switching between sources, High Resolution, High Bright LCD with Wide Viewing Angle, Fully Compliant Medical Grade, FDA, UL and CE Approved, Re- Drive Capability Enables Image Viewing on Multiple Display, Traditional 4:3 Aspect Ratio, Surgeon- Specific User Selectable Settings.

Model / Type	300-010-219	300-010-224	300-010-226	300-001-232
Size	19" / 14.8x11.9 inches	24" / 20.4x12.8 inches	26" / 22.7 x 12.7 inches	32" / 27.5x15.4 inches
Resolution	1280x1024 (SXGA)	1920x1200 (WUXGA)	1920x1080 (FULL HD)	1920x1080 (FULL HD)
Signal Input	SDI, HD-SDI, RGBS, YPbPr, SVideo, Composite, DVI, VGA			
Viewing angle	178°			
LCD Panel	TFT Active Matrix with IPS			



The 21" iLumen Endovue SE delivers the image performance of a high-end surgical display at a fraction of the cost. Targeted for cost-sensitive emerging markets this monitor is a great value. It features an LED backlight and supports both digital and analog high-definition video inputs. The 21" iLumen Endovue SE is an affordable alternative to a full-featured surgical display.

It accommodates high-definition signals from a variety of medical imaging sources, including endoscopes, ultrasound, PACS, and vital signs. It also features a fanless cooling design to minimize the risk of spreading airborne contaminants within the sterile field.

ONLY AVAILABLE OUTSIDE EU + NORTH AMERICA

Model / Type	300-001-148
Size	21,5" / 18.8 x 10.6 inches
Resolution	1920 x 1080 (Full HD)
Signal Input	DVI, RGBS, YPbPr, VGA, S-Video, Composite
Viewing angle	178°
LCD Panel	TFT Active Matrix with IPS, LED-Backlight



The innovative surgical Monitors of Sony deliver advanced image processing technology and enable physicians to see still and moving images with accurate, HD clarity and precision.

Model / Type	300-001-025	300-001-021	300-001-023	300-001-026
Size	19" / 14.8x11.9 inches	21" / 18.8x10.7 inches	24" / 20.4x12.8 inches	24" / 20.4x12.8 inches
Resolution	1280 x 1024 (SXGA)	1920x1080 (FULL HD)	1920x1200 (WUXGA)	1920x1080 (FULL HD)
Signal Input	Composite, Y/C, RGB (BNC), HDMI, Audio Jack	Composite, Y/C, RGB (BNC), HDMI, Audio Jack	Composite, Y/C, RGB (BNC), DVI-D, VGA	Composite, Y/C, RGB (BNC), DVI-D, VGA
Viewing angle	170°			
LCD Panel	α-Si Active Matrix TFT	α-Si Active Matrix TFT	α-Si Active Matrix TFT LED	Medical OLED

## PRACTICAL, HANDY, VERSATILE

The visualization system is a combined light source-camera display unit. This consists of a color video camera with remote camera head, a remote LED light source, integrated LCD and USB memory unit. The visualization system is intended specifically for use in medical endoscopy and diagnostics.



Bright LED light source with 20.000h life time, no external light source is needed



Also available: Built-In-Key-board-Version (300-001-455)



(TV adaptor optional)

300-001-450  
ENT Combi Unit consisting of:  
10.4" Display, Camera head, light source with 20.000h life time, incl. USB Unit

Optional Accessories: TV-Adaptor (1 pc)  
Fuses (10 pc)

## Compatible Rino-Pharyngoscopes

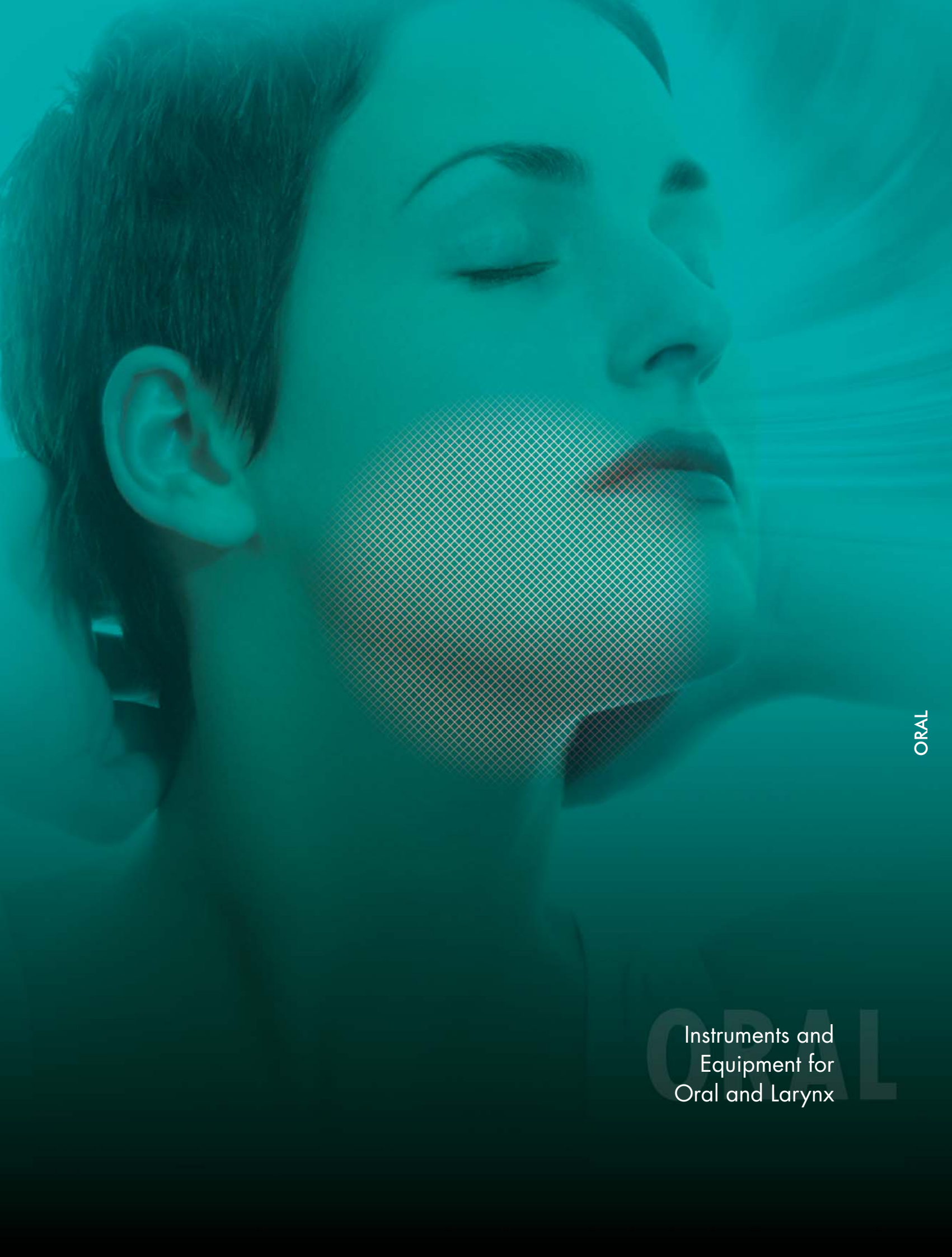


| 100-500-310  
(for diagnostic purposes)  
Rhino-Pharyngoscope 8000 Pixels  
30.0cm, 3.2 mm Diameter  
minimal bending radius 30 mm  
Accessories (included):  
• Leakage tester  
• Connection tube for leakage tester  
• Manual



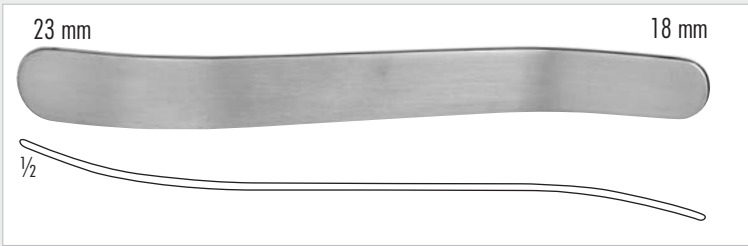
| 100-500-385  
(for diagnostic purposes and small procedures)  
Rhino-Pharyngoscope with working channel 1,4mm  
outer diameter 4mm, working length 320 mm  
angulation up/down 130°, field of view 80°,  
depth of focus 1-50mm, complete set including:  
• ETO-sealing cap  
• Leakage tester,  
• Adaptor storz/olympus  
• Adaptor wolf  
• Biopsy-forceps 1,0mm x 800mm  
• Cap for working channel  
• Cleaning brush 1,5mm x1100mm

| 100-500-380  
(for diagnostic purposes)  
Rhino-Pharyngoscope 12.000 Pixels  
30.0 cm, outer sheath: 3.8 mm Diameter  
minimal bending radius 30 mm  
Accessories (included):  
• Leakage tester  
• Connection tube for leakage tester  
• Manual



ORAL

ORAL  
Instruments and  
Equipment for  
Oral and Larynx

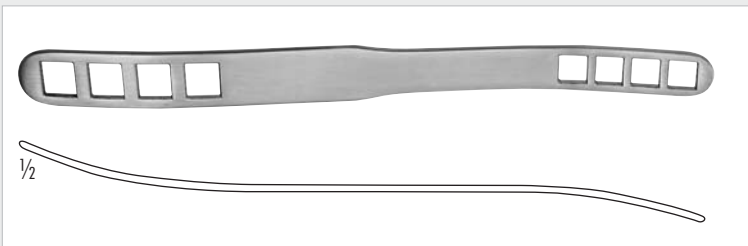


430-361-190  
**BUCHWALD**  
 Zungenspatel, 180 mm  
 Tongue depressor, 7 inch

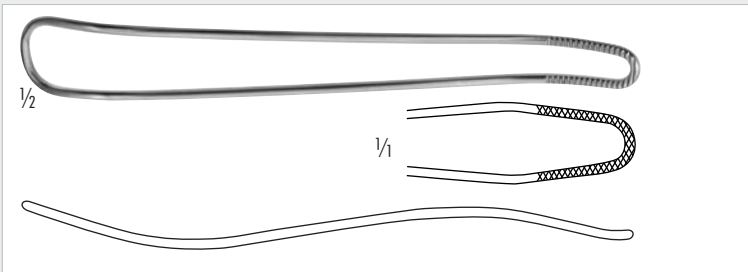


430-362-170  
**MAYO**  
 Zungenspatel, 170 mm  
 Tongue depressor, 6 2/3 inch

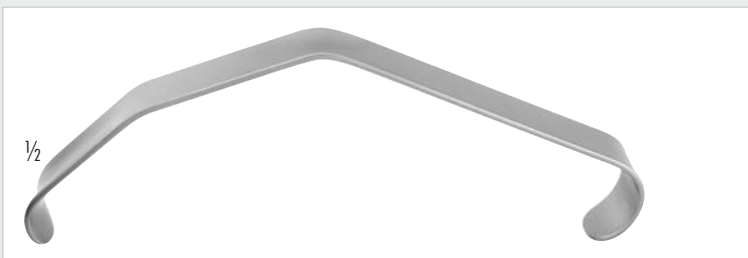
430-363-170  
**MAYO**  
 Zungendrucker, s-gebogen, 19 / 23 mm breit, 170 mm  
 Tongue depressor, s-curved 19 / 23 mm wide, 6 2/3 inch



430-385-190  
**BRUENINGS**  
 Zungenspatel, 190 mm  
 Tongue depressor, 7 1/2 inch



430-396-165  
**FRENZEL**  
 Zungenspatel, 165 mm  
 Tongue depressor, 6 1/2 inch



430-518-150 18 mm breit/18 mm wide  
 430-520-150 20 mm breit/20 mm wide  
 430-522-150 22 mm breit/22 mm wide  
**LOVE**  
 Zäpfchen Retraktor, 150 mm  
 Uvula retractor, 6 inch



430-397-190  
**MORITZ-SCHMIDT**  
 Zungenspatel, 190 mm  
 Tongue depressor, 7 1/2 inch



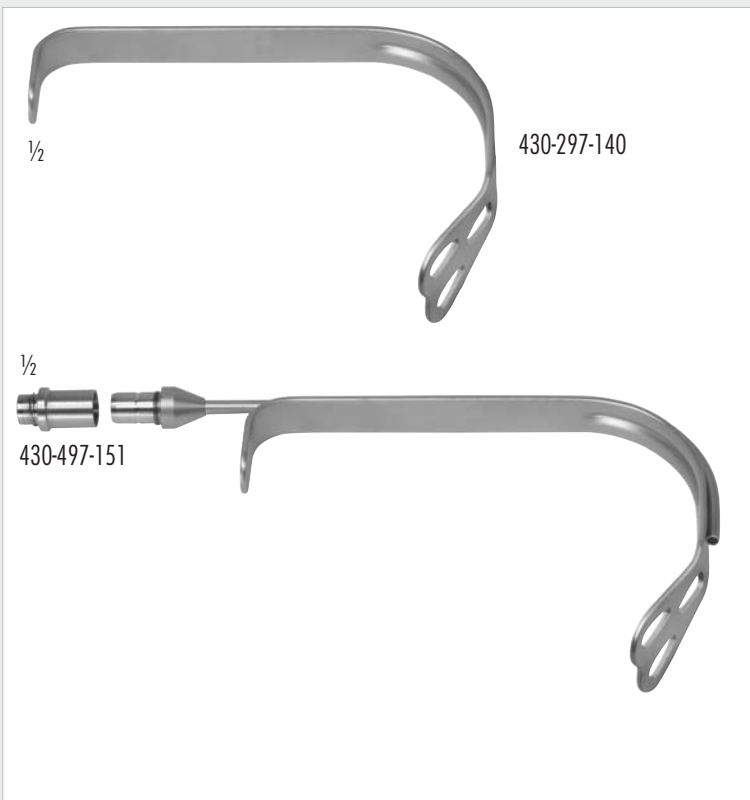
430-298-100  
**BOSWORTH**  
 Zungendrucker, 145 mm  
 Tongue depressor, 5 1/2 inch



430-349-145  
**TOBOLD**  
 Zungendrucker, 145 mm  
 Tongue depressor, 5 1/2 inch



430-271-150  
**HARTMANN**  
 Zungenspatel mit Gittergriff, 150 mm  
 Tongue depressor with fenestrated handle, 6 inch



430-297-140 30 mm breites Blatt/30 mm wide blade  
 430-297-150 36 mm breites Blatt/36 mm wide blade

**WIEDER**  
 Zungenspatel, gefensterter Blatt, feine Zahnung, 125 mm  
 Tongue depressor, fenestrated blade, fine serration, 5 inch

430-497-141 30 mm breites Blatt/30 mm wide blade  
 430-497-151 36 mm breites Blatt/36 mm wide blade

**SCULPO**  
 Dito, mit Kaltlicht, 125mm  
 Same, with Fiber Optic, 5 inch



430-350-005 55mm  
 430-350-007 70mm  
 430-350-009 90mm  
 430-350-010 100mm

**STIERLEN**  
 Zungendrucker  
 Tongue Depressor



430-150-130  
**HEISTER**  
 Mundsperrer, 130 mm  
 Mouth gags, 5 1/8 inch

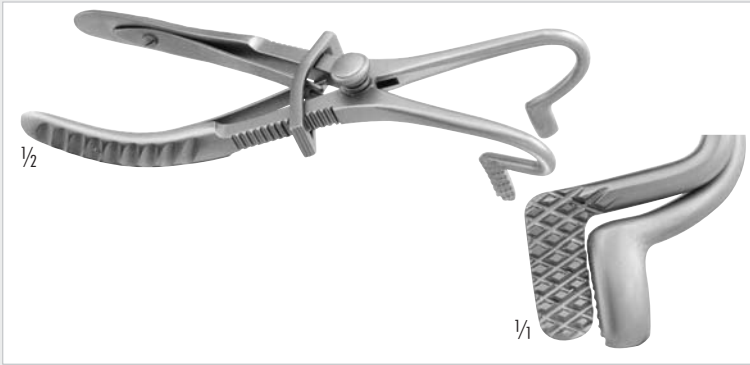


430-140-110  
**DOYEN-JANSEN (MOLT)**  
 Mundsperrer, 120 mm  
 Mouth gags, 4 3/4 inch



430-140-140  
**DOYEN-JANSEN (MOLT)**  
 Mundsperrer, 140 mm  
 Mouth gags, 5 1/2 inch





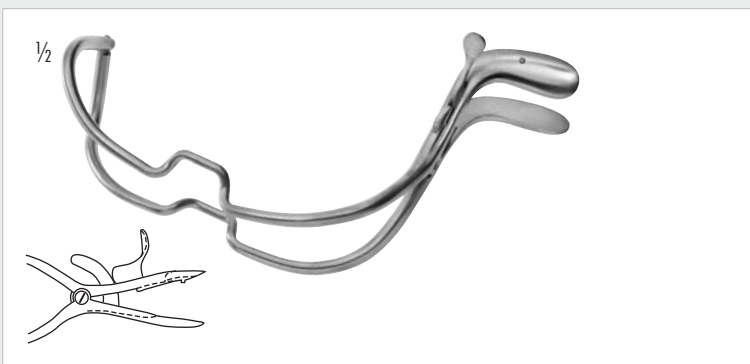
430-145-145  
**FERGUSON-ACKLAND**  
 Mundsperrer, 145 mm  
 Mouth gags, 5 3/4 inch



430-142-120  
**DENHARDT**  
 Mundsperrer, mit Einsätzen aus Silikon, auswechselbar, 120 mm  
 Mouth gags, with silicone inserts, interchangeable, 4 3/4 inch



430-144-160 160 mm/6 1/4 inch  
 430-144-190 190 mm/7 1/4 inch  
**ROSER-KOENIG**  
 Mundsperrer  
 Mouth gags



430-250-090 90 mm , 3 1/2 inch  
 430-250-110 110 mm , 4 1/2 inch  
 430-250-130 130 mm , 5 inch  
 430-250-150 150 mm , 6 inch  
**JENNINGS**  
 Mundsperrer  
 Mouth gags



- 430-261-090 90 mm , 3 ½ inch
- 430-261-110 110 mm , 4 ½ inch
- 430-261-130 130 mm , 5 inch
- 430-261-150 150 mm , 6 inch

**WHITEHEAD**

Mundsperrer  
Mouth gags



**430-130-500**

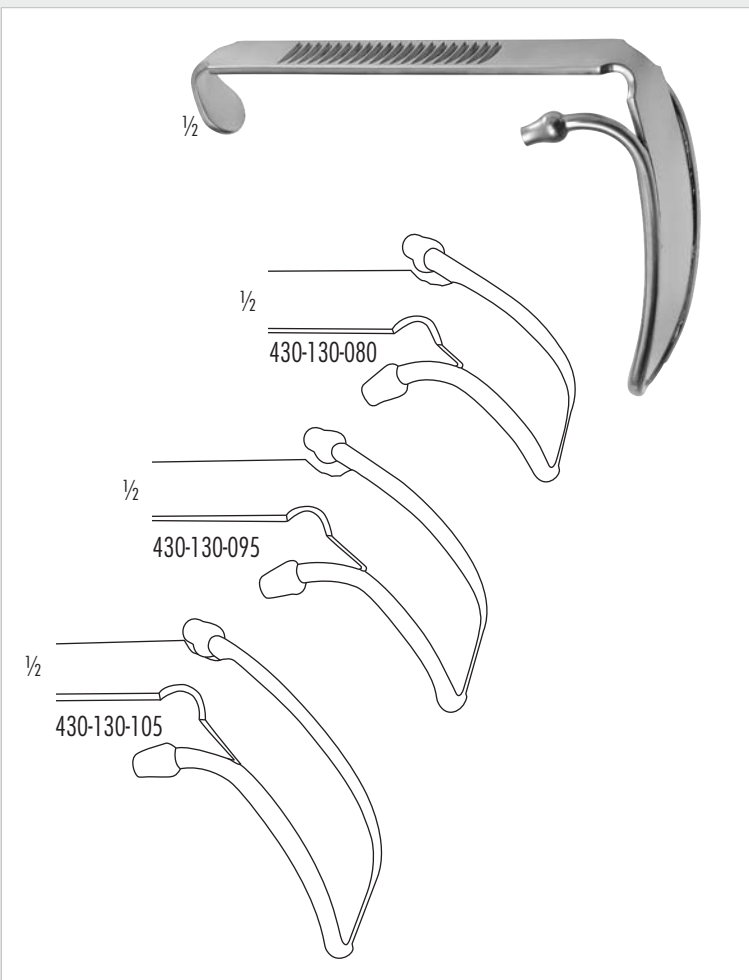
**DAVIS-MEYER**

Mundsperrer, Bügel allein, mit 2 Einzelgebißplatten und 1 Doppelgebißplatte mit auswechselbaren Silikoneinlagen, passend für alle Zungenspatel

Mouth gags, frame only, with 2 single bites and one double bite, with interchangeable silicone inserts, suitable for all tongue depressors

**430-130-550**

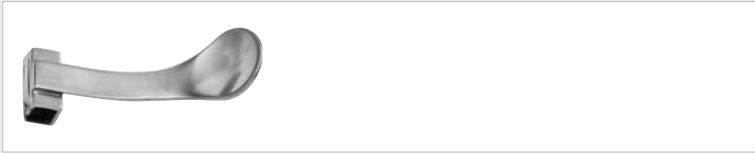
Silikoneinlagen allein  
Silicone insert only



- 430-130-070 29 x 70 mm
- 430-130-075 30 x 75 mm
- 430-130-080 31 x 80 mm
- 430-130-085 32 x 85 mm
- 430-130-095 33 x 95 mm
- 430-130-100 34 x 100 mm
- 430-130-105 34 x 105 mm

**DAVIS-MEYER**

Zungenspatel, allein, mit Schlauchgarnitur  
Tongue blade only, with tubing set for anaesthesia channel



430-130-560

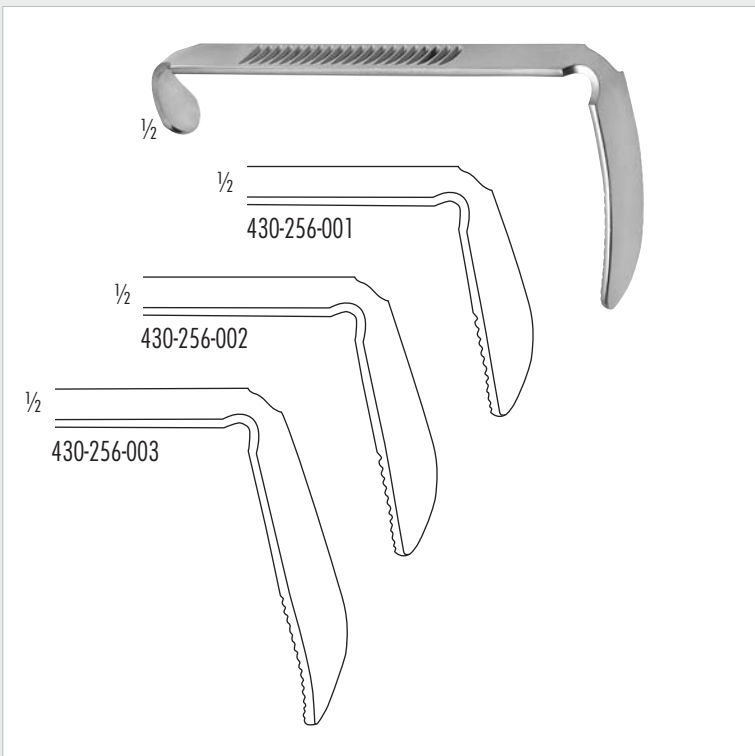
Gaumenplatte zu Bügel 430-130-500, für zahnlose Patienten  
Palate blade to be used with 430-130-500, for toothless patients



430-256-010

**MC IVOR**

Mundsperrer Bügel, allein  
Mouth gags frame, only



430-256-001

23 x 55 mm

430-256-002

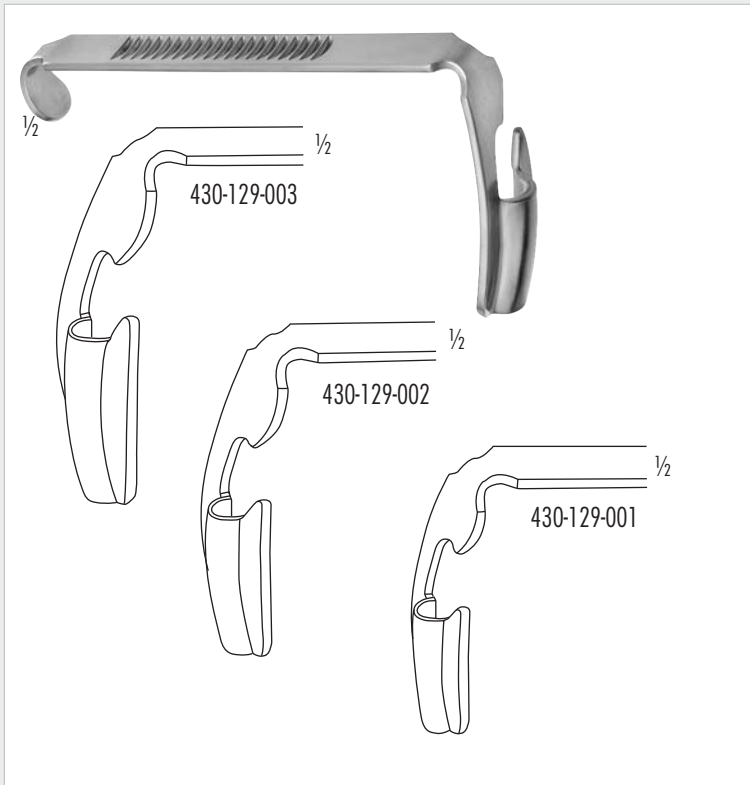
25 x 62 mm

430-256-003

26 x 75 mm

**MC IVOR**

Zungenspatel, allein  
Tongue blade, only

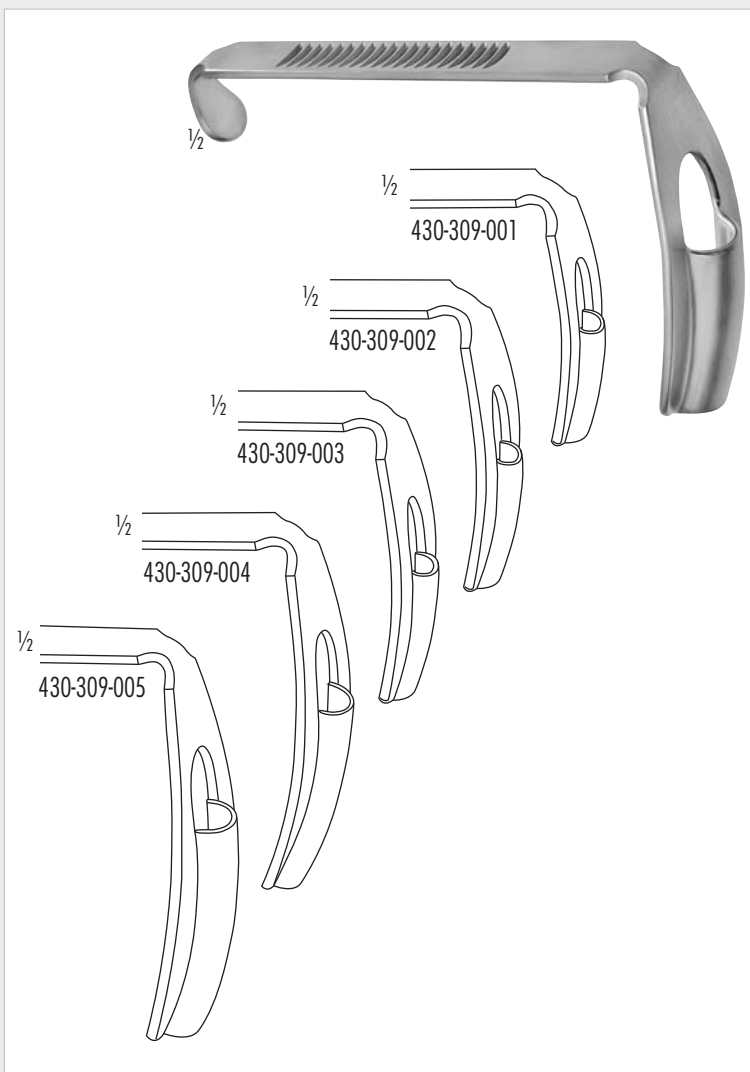


- 430-129-001 28 x 65 mm
- 430-129-002 32 x 75 mm
- 430-129-003 37 x 80 mm

**RZ**

Zungenspatel, allein, mit Mittelrinne für Intubationstubus und seitlichem Einschnitt

Tongue blade only, with groove for endotracheal tube and lateral slot

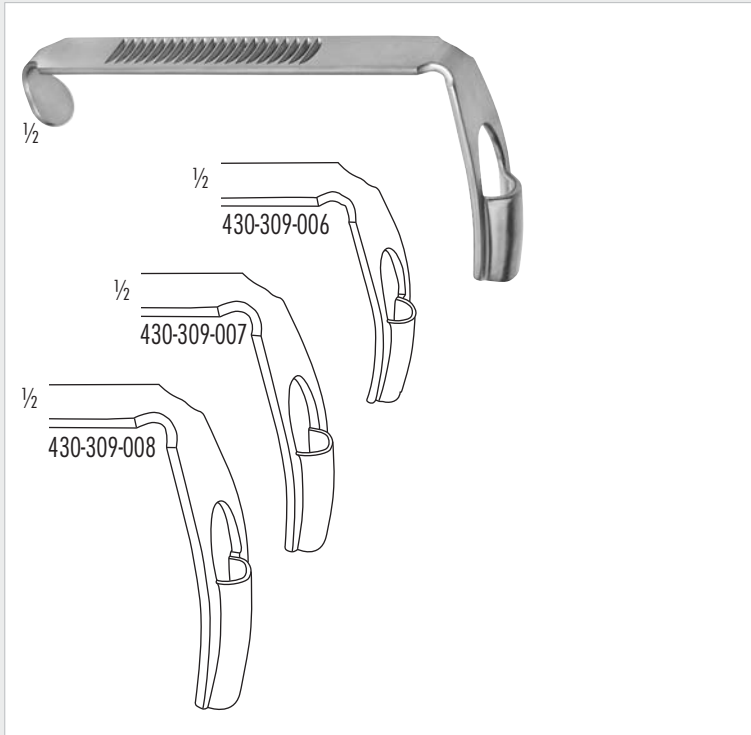


- 430-309-001 28 x 65 mm
- 430-309-002 32 x 75 mm
- 430-309-003 37 x 80 mm
- 430-309-004 41 x 94 mm
- 430-309-005 46 x 103 mm

**RUSSEL-DAVIS**

Zungenspatel, mit Mittelrinne für Intubationstubus

Tongue blade, with groove for the endotracheal tube

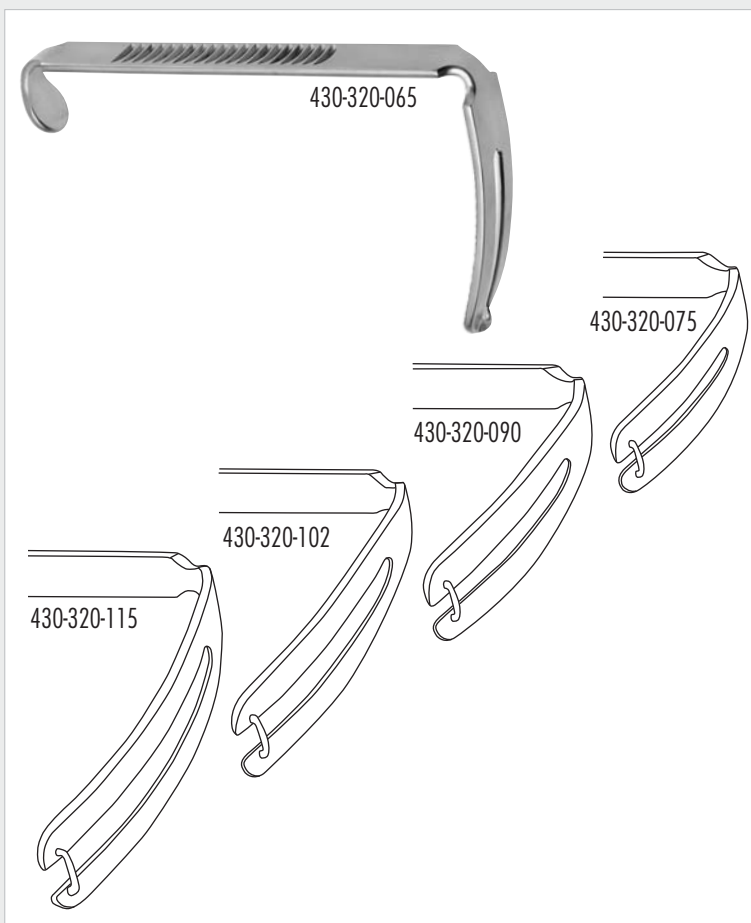


430-309-006	18 x 57 mm
430-309-007	22 x 67 mm
430-309-008	25 x 75 mm

**RUSSEL-DAVIS**

Zungenspatel allein, extra schmales Modell, mit Mittelrinne für Intubationstubus

Tongue blade, very narrow pattern, with groove for endotracheal tube

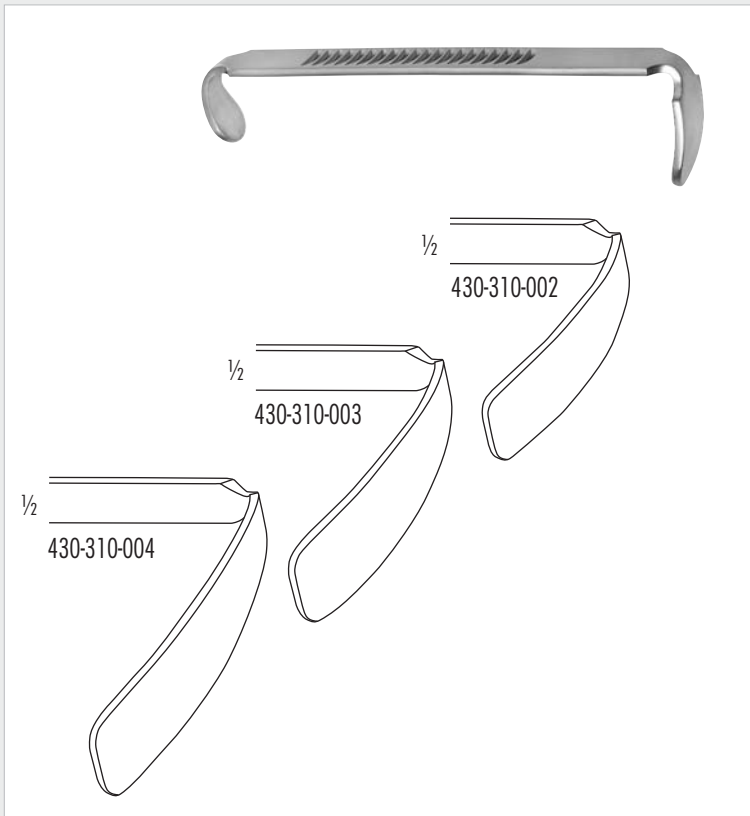


430-320-065	23 x 65 mm
430-320-075	24 x 80 mm
430-320-090	25 x 93 mm
430-320-102	26 x 108 mm
430-320-115	26 x 114 mm

**DOUGHTY**

Zungenspatel, mit Mittelrinne für Intubationstubus zur Verwendung mit Davis-Boyle Rahmen

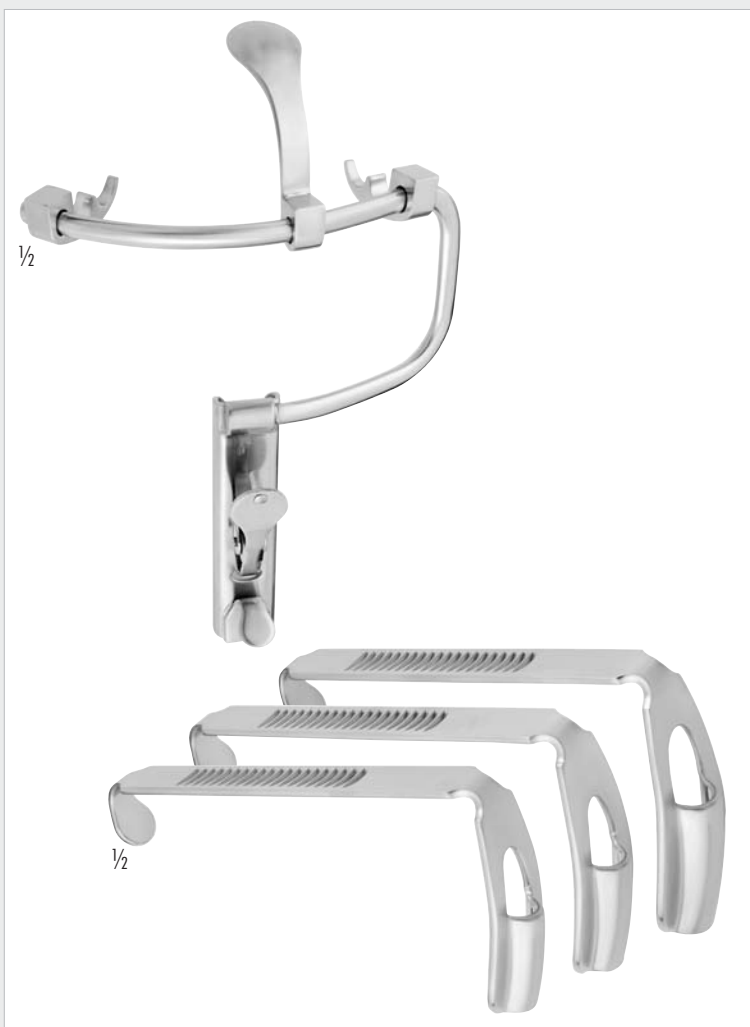
Tongue blade, with slot for endotracheal tubes for use with Davis-Boyle frames



- 430-310-001 65 mm
- 430-310-002 75 mm
- 430-310-003 90 mm
- 430-310-004 102 mm

**DAVIS-BOYLE**

Zungenspatel, allein  
Tongue blade, only



**430-315-000**

**KILNER-DOUGHTY**

Mundsperrer, links, mit 3 auswechselb. Blättern #1 bis #3  
Mouth gag complete, left with 3 interchang. tongue blades #1 to #3

**430-315-010**

**KILNER-DOUGHTY**

Mundsperrer, allein  
Mouth gag spreader, only

- 430-315-001 28 x 65 mm
- 430-315-002 32 x 75 mm
- 430-315-003 37 x 80 mm

**KILNER-DOUGHTY**

Zungenspatel, alleine  
Tongue blade, only

430-310-000

**DAVIS-BOYLE**

Mundsperrer, mit 5 Blättern, Erwachsene  
Mouth gag complete, with 5 blades, adult



430-257-001 21 x 30 mm

430-257-002 23 x 65 mm

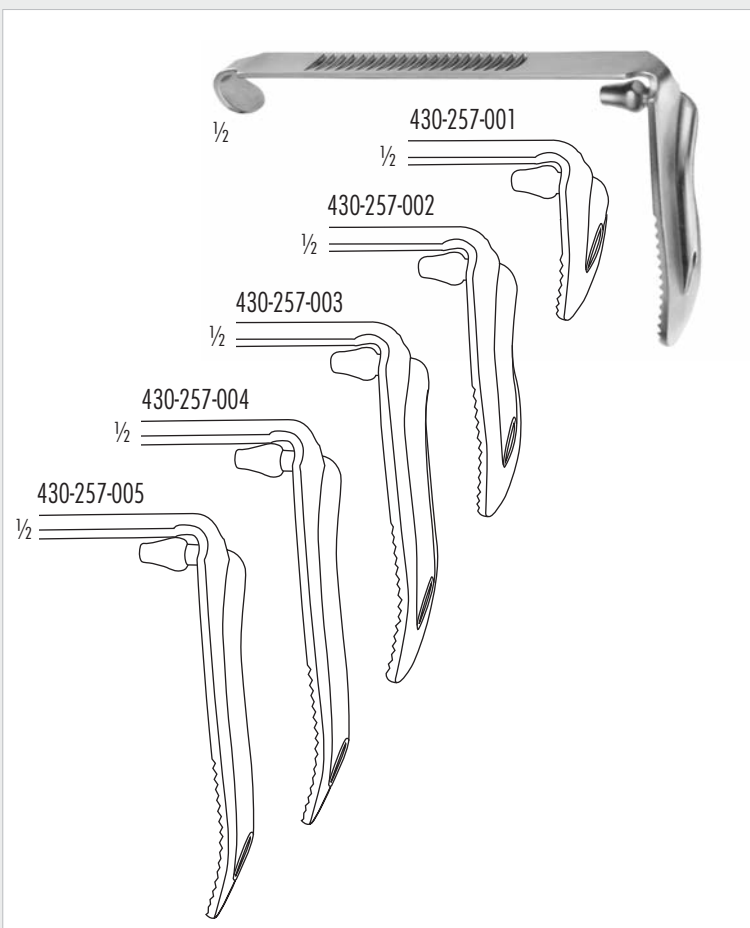
430-257-003 24 x 80 mm

430-257-004 25 x 93 mm

430-257-005 26 x 108 mm

**DAVIS-BOYLE**

Zungenspatel, allein, mit Intubationsrohr  
Tongue blade, only, with anaesthesia channel





430-310-010 Rahmen links/frame left  
 430-310-011 Rahmen rechts/frame right

**DAVIS-BOYLE**

Mundsperrer, für Erwachsene  
 Mouth gag, for adult

430-310-110

**DAVIS-BOYLE**

Mundsperrer, Rahmen für Kinder  
 Mouth gag, frame for children





430-327-000

**DINGMANN**

Mundsperrer mit Zubehör mit Blatt-Nr. 1, 2, 3

Mouth gag complete with accessories, blade #1, 2 and 3

430-327-004

**DINGMANN**

Mundsperrer, allein

Mouth gag, only

430-327-001 24 x 62 mm

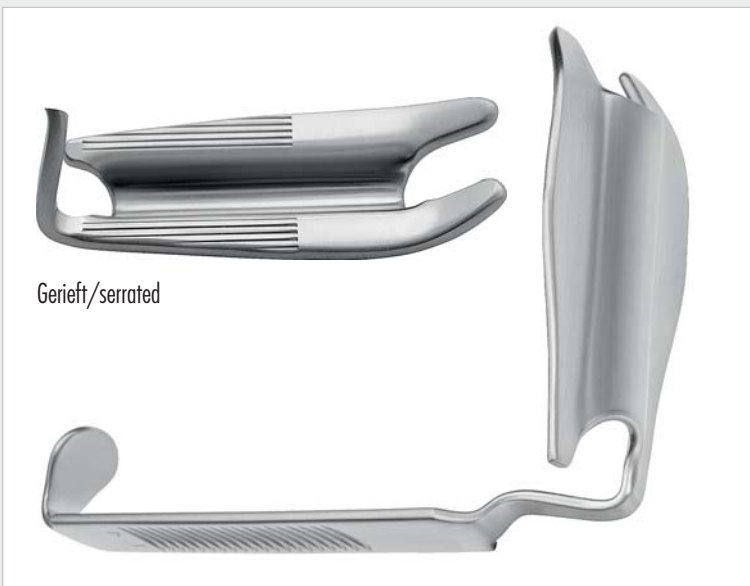
430-327-002 28 x 65 mm

430-327-003 31 x 75 mm

**DINGMANN**

Zungenspatel, allein

Tongue blade, only



Gerieft/serrated

Links/left

430-000-002 23 x 58 mm

430-000-003 27 x 72 mm

430-000-004 34 x 87 mm

430-000-005 37 x 95 mm

Rechts/right

430-010-002 23 x 58 mm

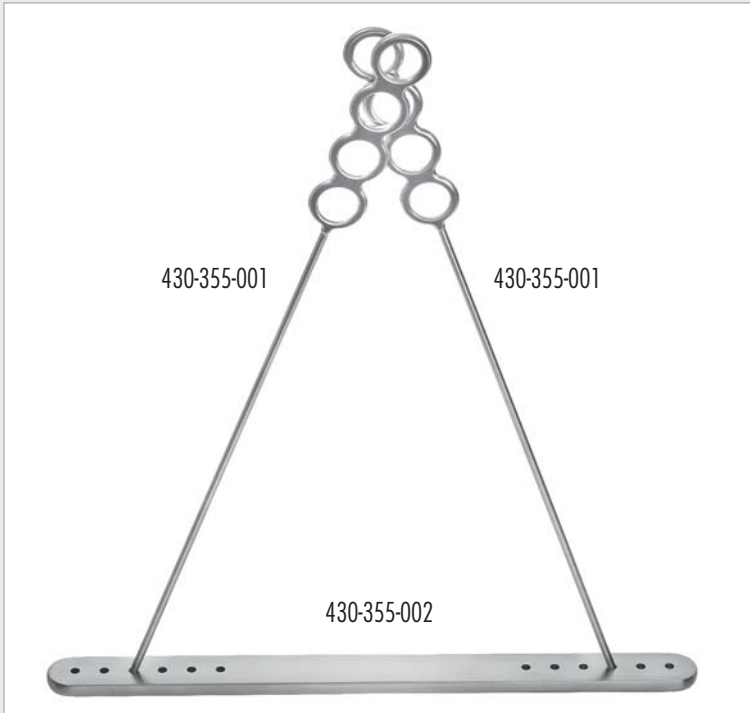
430-010-003 27 x 72 mm

430-010-004 34 x 87 mm

430-010-005 37 x 95 mm

Zungenspatel

Tongue Spatula



430-355-000

**DRAFFIN**

Mundsperrer Halter komplett: 2 Stützstangen + Grundplatte für Mundsperrer-Aufhängung

Holder for mouth gag, complete: 2 bars + plate, for mouth gag fixation

430-355-001

Stützstange/Bar

430-355-002

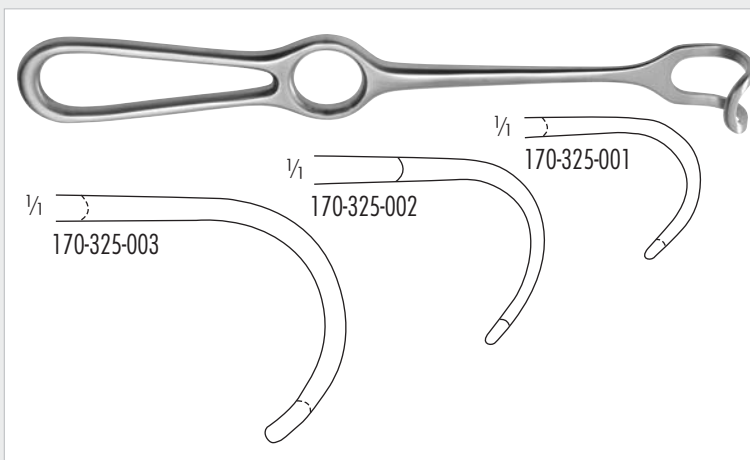
Grundplatte/Magauran Plate



430-320-000

**NEGUS**

Bruststütze, zur Verwendung mit Zungenspatel und Mundsperrer  
Chest support, for use with tongue blade and mouth gag



170-325-001

14 x 17 mm, 215 mm, 8 3/4 inch

170-325-002

20 x 22 mm, 220 mm, 8 1/2 inch

170-325-003

26 x 30 mm, 235 mm, 9 1/4 inch

**MIDDELDORPF**

Wangenhalter

Cheek retractor

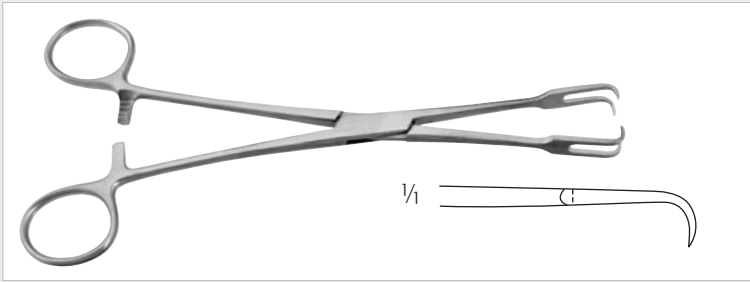


440-225-222

**GREENE**

Thyroid Retraktor, 17x25 mm, gefenestert, 220mm

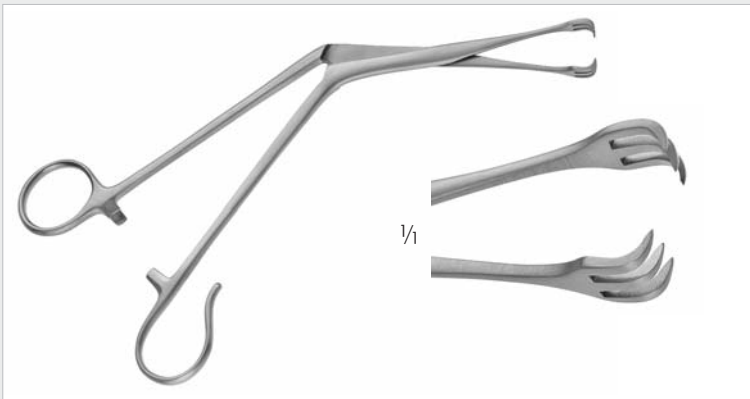
Thyroid retractor, 17x25 mm, fenestrated, 8 3/4 inch



140-602-200

**MUSEUX**

Tonsillenenfaßzange, 2x2 Zähne, 200 mm  
Tonsil holding forceps, 2x2 teeth, 8 inch



430-631-002

**TIVNEN-TYDING**

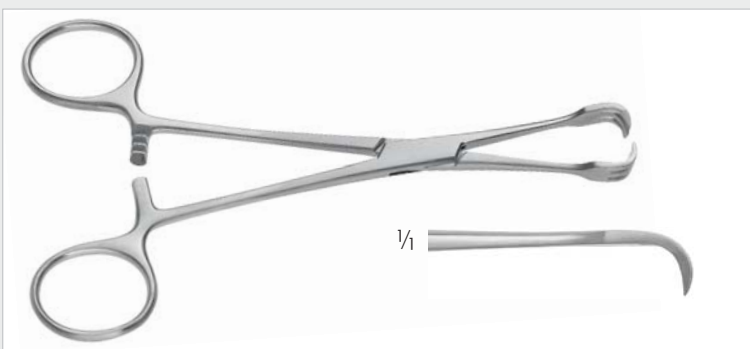
Tonsillenenfaßzange, 3x3 Zähne, 1 offener Ring, 210 mm  
Tonsil seizing forceps, 3x3 teeth, 1 open ring, 8 1/4 inch



420-427-200

**DENIS-BROWNE**

Tonsillenklemme, 10mm, 200mm  
Tonsil holding Forceps, 10mm, 8 inch



440-030-150

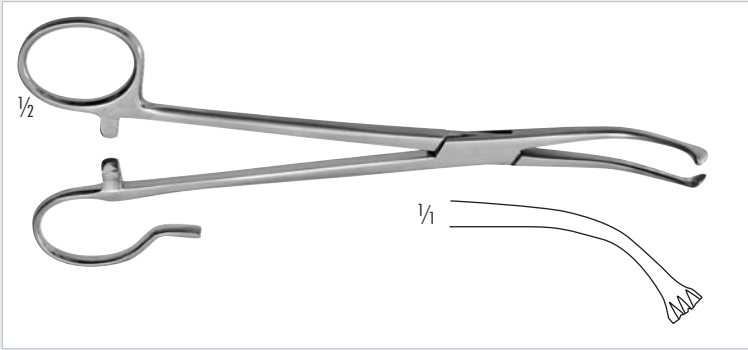
150mm, 6 inch

440-030-200

200mm, 7 3/4 inch

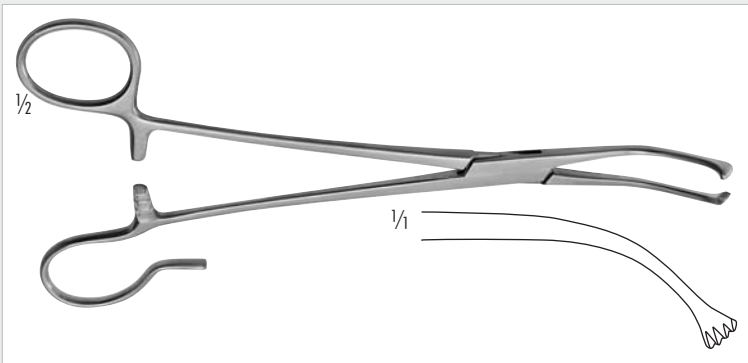
**LAHEY**

Kropffäßzange  
Goitre Seizing forceps

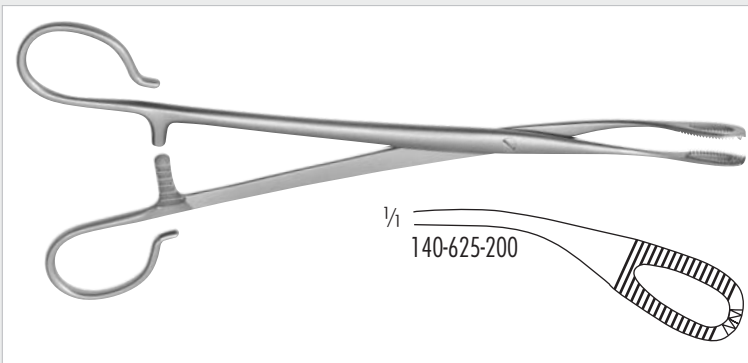


140-620-180 180 mm, 7 inch  
 140-620-235 235 mm, 9 1/4 inch

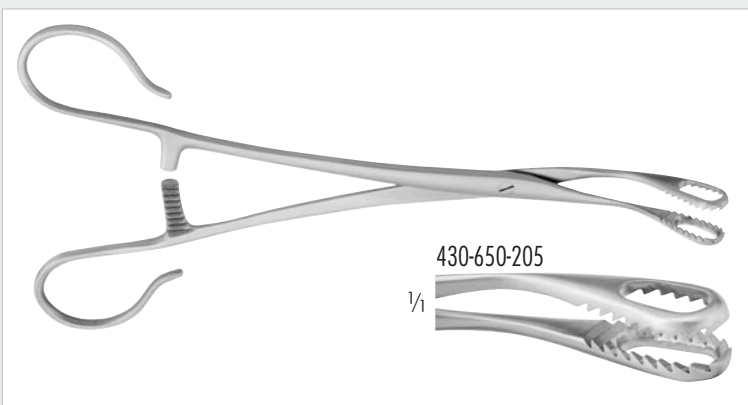
**WHITE**  
 Tonsillenfaßzange, 180 mm  
 Tonsil holding forceps, 7 inch



140-626-190  
**COLVER**  
 Tonsillenklemme, gebogen, 190 mm  
 Tonsil seizing forceps, curved, 7 1/2 inch



140-625-200  
**BLOHMKE**  
 Tonsillenfaßzange, 200 mm  
 Tonsil holding forceps, 8 inch



430-650-205  
**ABRAHAM**  
 Tonsillenfaßzange, 205 mm  
 Tonsil holding forceps, 8 inch



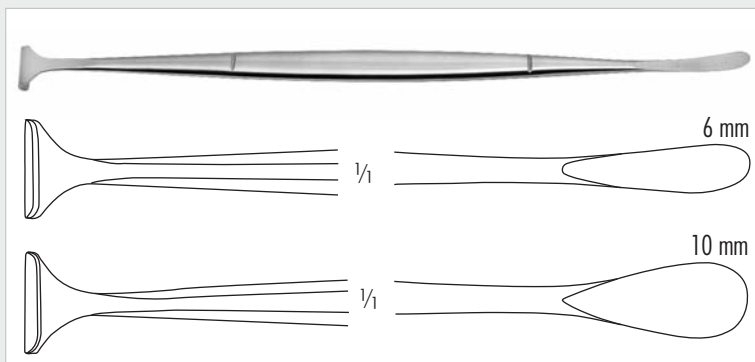
430-620-220  
**MARSCHIK**  
 Tonsillenfaßpinzette, 220 mm  
 Tonsil grasping forceps, 8 3/4 inch



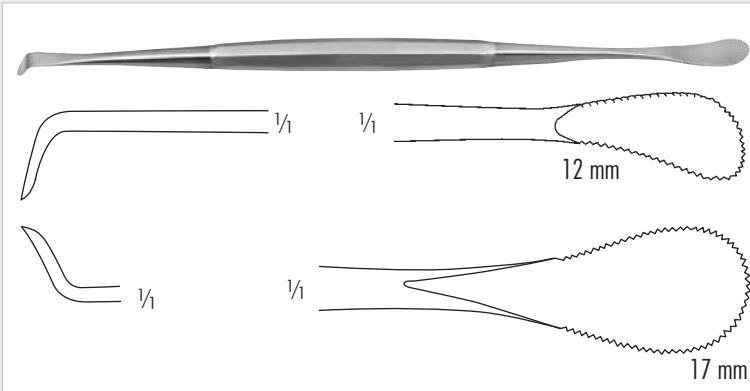
165-543-270 Ø 10 mm  
**YANKAUER**  
 Saugrohr mit zentraler Bohrung, 270 mm  
 Tonsil suction tube, with central boring, 10 3/4 inch



430-670-235  
**LOPEZ-REINKE**  
 Tonsillendissektor mit Absaugvorrichtung, 235 mm  
 Tonsil suction dissector, 8 1/2 inch



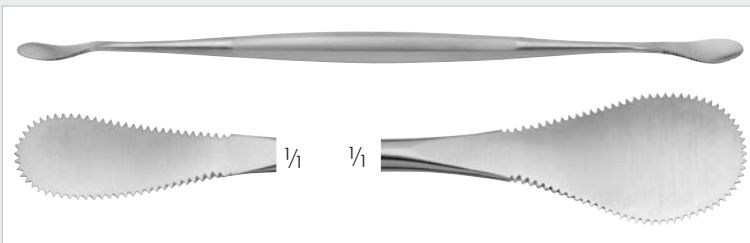
430-600-215 6 mm  
 430-601-220 10 mm  
**HURD**  
 Tonsillendissektor und -retraktor, 215 mm  
 Tonsil dissector and pillar retractor, 8 1/2 inch



430-600-230 12 mm  
430-601-230 17 mm

**HENKE**

Tonsillendissektor und -retraktor, 235 mm  
Tonsil dissector and pillar retractor, 9 1/4 inch



430-602-230 17 mm

**HENKE**

Tonsillendissektor, doppelendig, 12 mm / 18 mm  
gezahntes Blatt, 230 mm  
Tonsil dissector, double-ended, 12 mm / 18 mm  
serrated blade, 9 inch



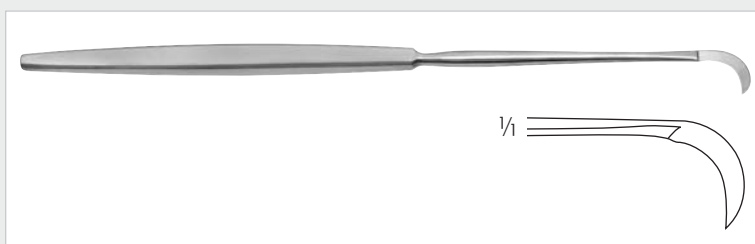
430-655-210

**MOLLINSON**

Tonsillendissektor und -retraktor, halb-scharf, 210 mm  
Tonsil dissector and pillar retractor, semi-sharp, 8 1/2 inch



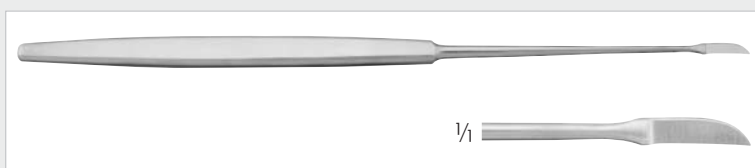
430-656-190  
**FISCHER**  
Tonsillennmesser, 225 mm  
Tonsil knife, 9 inch



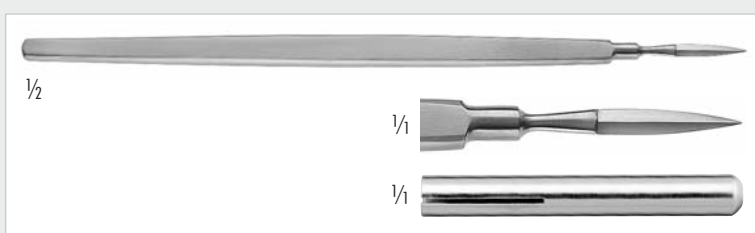
430-652-215  
**BRUENINGS**  
Tonsillennmesser, 230 mm  
Tonsil knife, 9 inch



430-650-215  
**ABRAHAM**  
Tonsillennmesser, spitz 220 mm  
Tonsil knife, sharp 8 3/4 inch



430-654-200  
**PERWITZSCHKY**  
Tonsillennmesser, 210 mm  
Tonsil knife, 8 1/4 inch



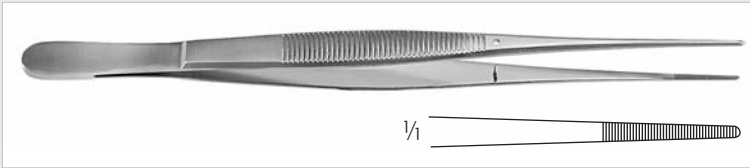
430-656-195  
Tonsillennmesser, mit doppelter Schneide, mit Schutzkappe, 175 mm  
Tonsil knife, double-edge cutting, with protection cup, 7 inch



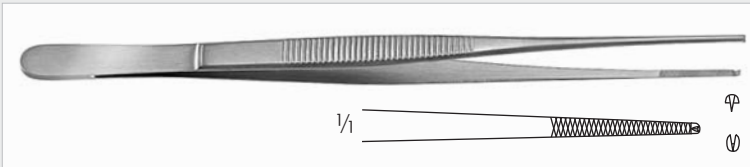
110-130-077  
Skalpelli Griff, Nr. 7, 165 mm  
Scalpel handle, No.7, 6 1/2 inch



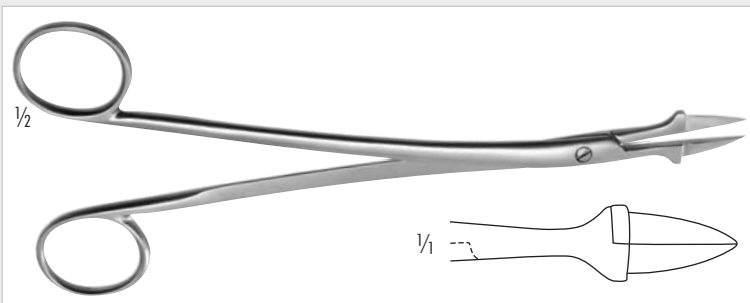
110-116-033  
Skalpelli Griff, Nr. 3L, 210 mm  
Scalpel handle, No. 3L, 8 1/4 inch



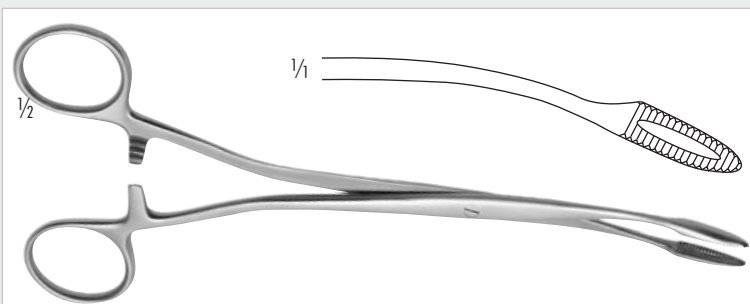
130-038-200  
**WAUGH**  
 Feine anatomische Pinzette, 200 mm  
 Delicate dissecting forceps, 8 inch



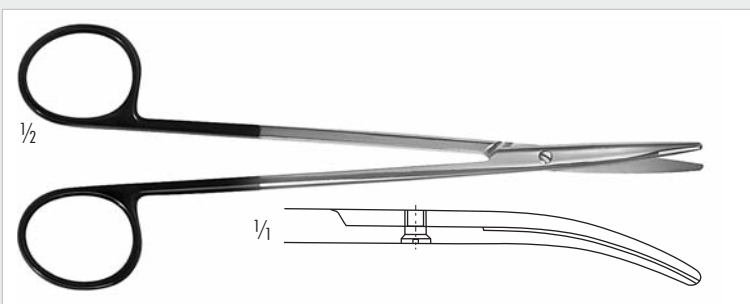
130-160-200  
**WAUGH**  
 Feine chirurgische Pinzette, 1 x 2 Zähne, 200 mm  
 Delicate tissue forceps, 1 x 2 teeth, 8 inch



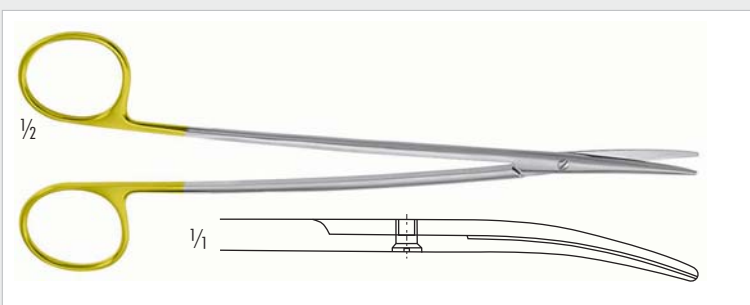
430-605-200  
**THILENIUS**  
 Tonsillenabszeßzange, 190 mm  
 Tonsil abscess forceps, 7 1/2 inch



150-130-200 gerade/straight  
 150-131-200 gebogen/gebogen  
**DUPLAY**  
 Polypenzange, 200 mm  
 Dressing forceps, 8 inch

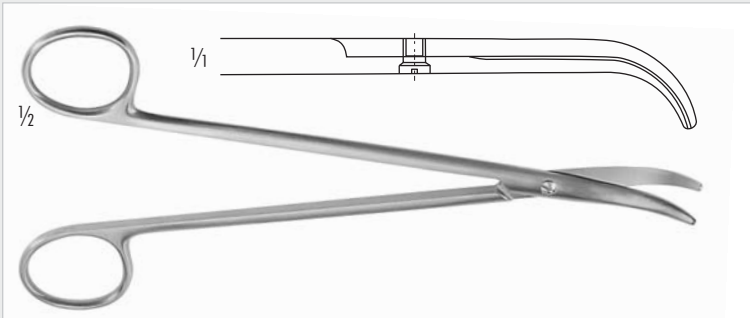


121-111-145 145 mm, 5 3/4 inch  
 121-111-180 180 mm, 7 inch  
 121-111-200 200 mm, 8 inch  
**METZENBAUM**  
 SC Präparierschere, gebogen  
 SC Dissecting scissors, curved



120-521-150 150 mm, 5 3/4 inch  
 120-521-180 180 mm, 7 inch  
 120-521-200 200 mm, 8 inch  
**METZENBAUM**  
 TC Präparierschere, gebogen  
 TC Dissecting scissors, curved

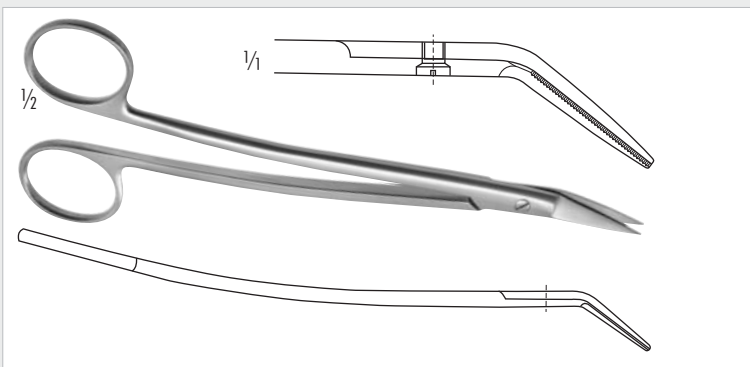




120-133-190

**THOREK**

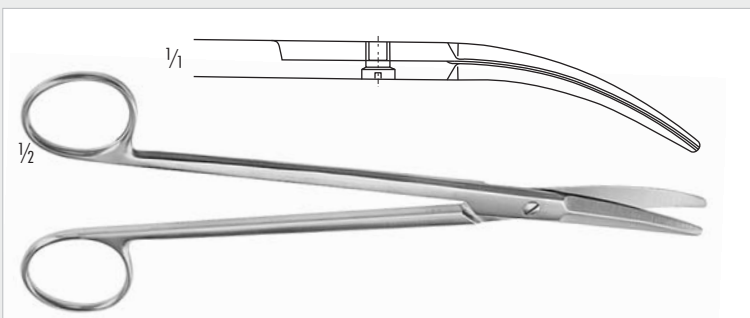
Tonsillenschere, stark gebogen, 190 mm  
Tonsil scissors, strong curved, 7 1/2 inch



120-213-170

**DEAN**

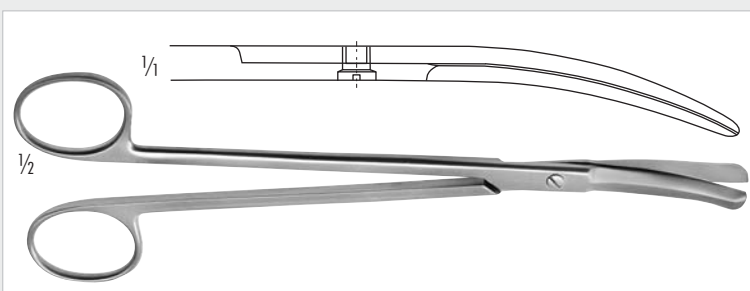
Tonsillenschere, aufgebogen, Blätter gezahnt, 170 mm  
Tonsil scissors, angled upwards, serrated blades, 6 3/4 inch



120-209-180

**BOETTCHER**

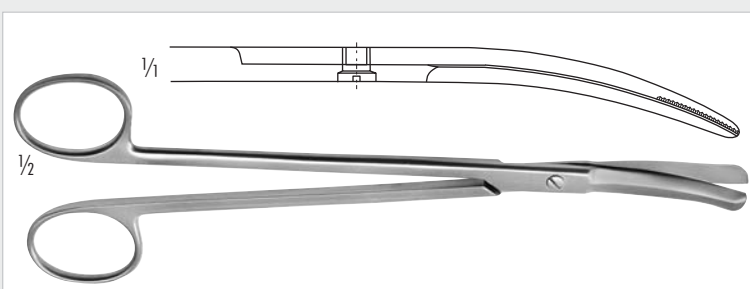
Tonsillenschere, gebogen, 180 mm  
Tonsil scissors, curved, 7 inch



120-217-190

**GOOD**

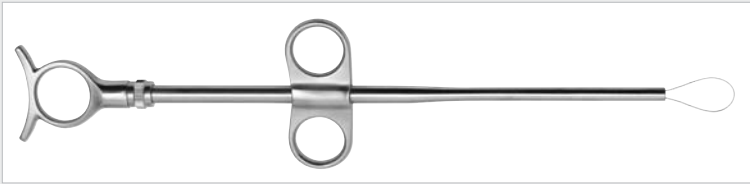
Tonsillenschere, 190 mm  
Tonsil scissors, 7 1/2 inch



120-218-190

**SCHWECKENDIEK**

Tonsillenschere, 195 mm  
Tonsil scissors, 7 3/4 inch



**430-603-280**  
**EYES**  
 Tonsillenschnürer, 250 mm  
 Tonsil snare, 10 inch



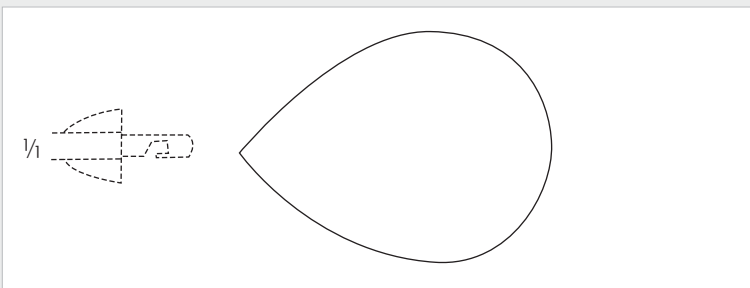
**430-604-280**  
**EYES**  
 Tonsillenschnürer, mit Sperre, 250 mm  
 Tonsil snare, with ratchet, 10 inch



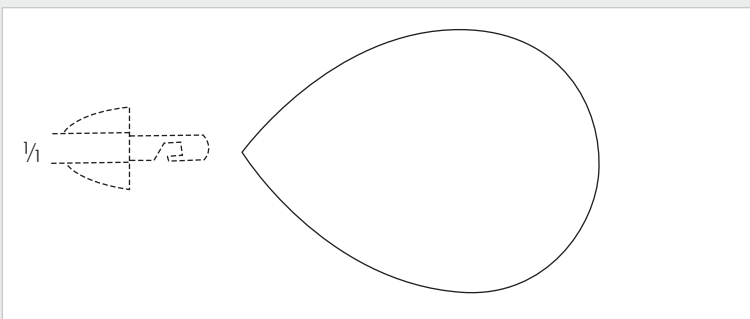
**430-605-270**  
**BRUENINGS**  
 Tonsillenschnürer, 270 mm  
 Tonsil snare, 10 1/2 inch



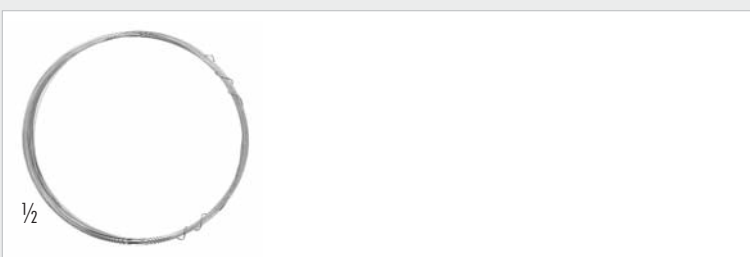
**430-606-003** Ø 0,3 mm  
**430-606-005** Ø 0,5 mm  
 Schnürerdrähte, Bestelleinheit: DZ=Packung à 12 Stück  
 Snare wires, sales unit: DZ=Package of 12 pieces



**430-606-040** Ø 0,4 mm  
 Drahtschlingen, Bestelleinheit: PH=Packung à 100 Stück  
 Wire loops, sales unit: PH=Package of 100 pieces



**430-607-040** Ø 0,4 mm  
 Drahtschlingen, Bestelleinheit: PH=Packung à 100 Stück  
 Wire loops, sales unit: PH=Package of 100 pieces



**430-607-003** Ø 0,3 mm  
 Schnürerdraht, in Rollen à 10 m  
 Snare wire in coils of 10 m



430-620-000

**TYDING**

Tonsillenschnürer mit abnehmbarem, geradem Aufsatz 430-620-100  
Tonsil snare with detachable straight tip 430-620-300



430-620-100

Gerader Aufsatz, allein  
Straight tip, only



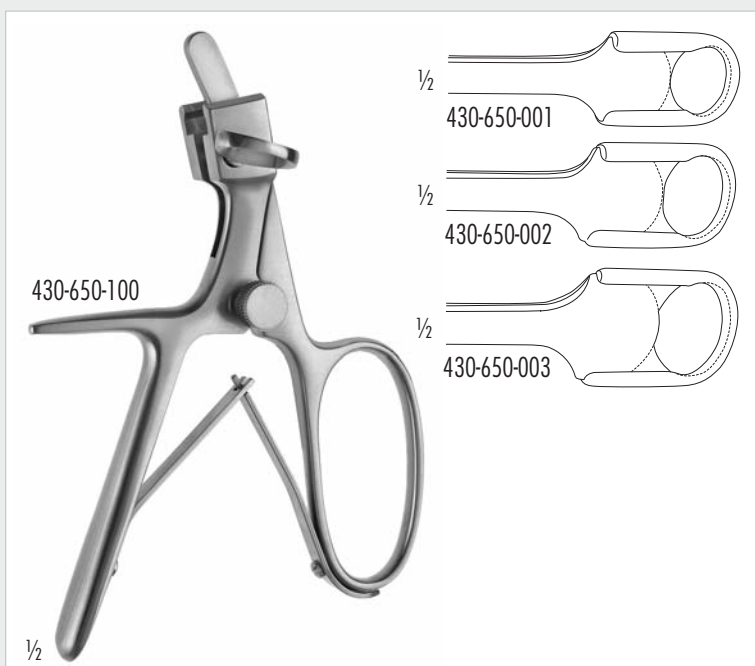
430-620-200

Veeder-Aufsatz, allein  
Veeder tip, only



120-265-120

Drahtschere, eine Schneide gezahnt, 120 mm  
Wire cutting scissors, on blade serrated, 4 3/4 inch



430-650-001 Fig. 1

430-650-002 Fig. 2

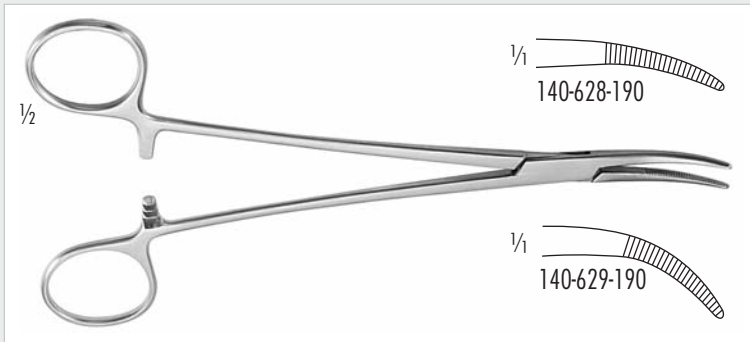
430-650-003 Fig. 3

**SLUDER-BALLENGER**

Aufsätze für Tonsillotomgriff 430-650-100  
Blades for tonsillotome handle 430-650-100

430-650-100

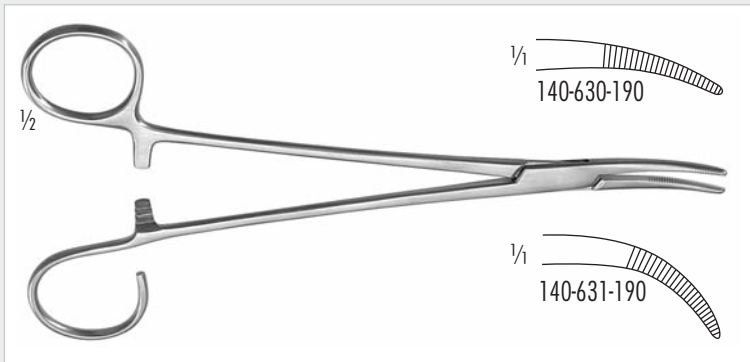
Tonsillotomgriff für Aufsätze 430-650-001 - 430-650-003  
Tonsillotome handle for blades 430-650-001 - 430-650-003



140-628-190 leicht gebogen/slightly curved  
 140-629-190 stark gebogen/strongly curved

**SCHNIDT**

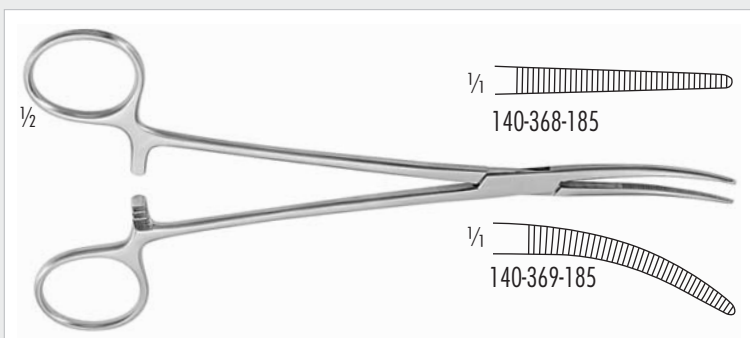
Tonsillenklemme, 190 mm  
 Tonsil artery forceps, 7 1/2 inch



140-630-190 leicht gebogen/slightly curved  
 140-631-190 stark gebogen/strongly curved

**SCHNIDT**

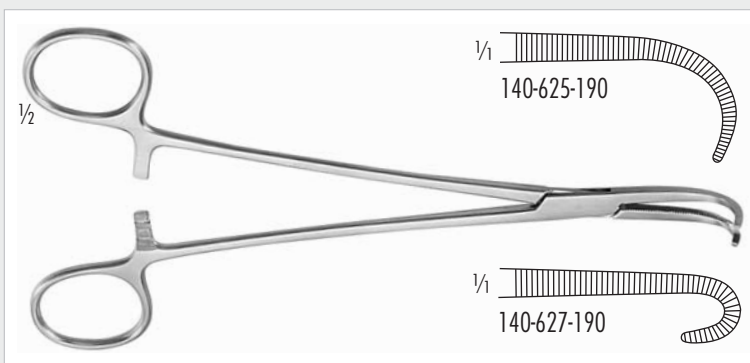
Tonsillenklemme, mit offenem Ring, 185 mm  
 Tonsil artery forceps, with open ring, 7 1/4 inch



140-368-185 gerade/straight  
 140-369-185 gebogen/curved

**BIRKETT**

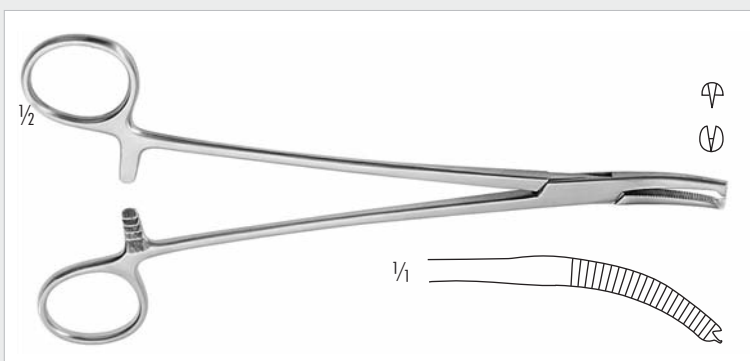
Arterienklemme, 185 mm  
 Hemostatic forceps, 7 1/4 inch



140-625-190 leicht gebogen/slightly curved  
 140-627-190 stark gebogen/strongly curved

**NEGUS**

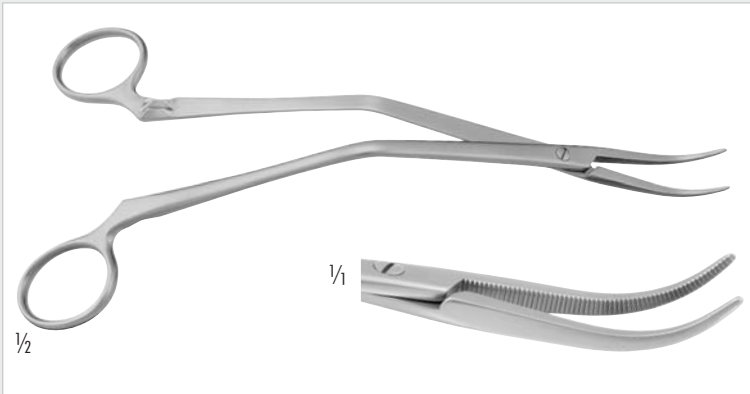
Tonsillenklemme, 190 mm  
 Tonsil artery forceps, 7 1/2 inch



140-549-200

**MIKULICZ**

Tonsillenklemme, 1x2 Zähne, 200 mm  
 Tonsil artery forceps, 1x2 teeth, 8 inch



140-639-190

**WILSON**

Tonsillenklemmen, sehr fein, 190 mm  
Tonsil artery forceps, very delicate, 7 1/2 inch



180-720-230

**CLAUS-EICKEN**

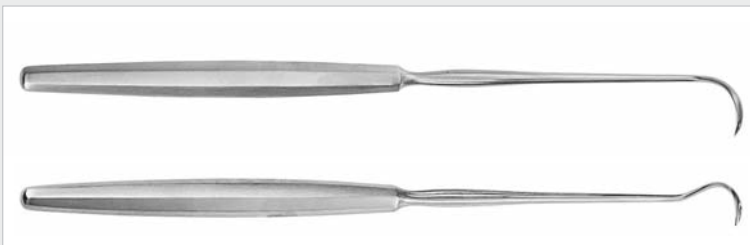
Unterbindungsnadel, 230 mm  
Ligature needle, 9 inch



180-711-240

**NAGER**

Unterbindungsnadel, 240 mm  
Ligature needle, 9 1/2 inch



180-718-210 links/left

180-719-210 rechts/right

**HURD**

Unterbindungsnadel, 210 mm  
Ligature needle, 8 1/4 inch



430-500-260

**ROEDER**

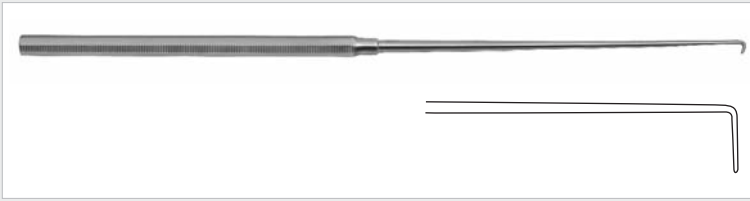
Ligaturinstrument, 260 mm  
Ligature instrument, 10 1/4 inch



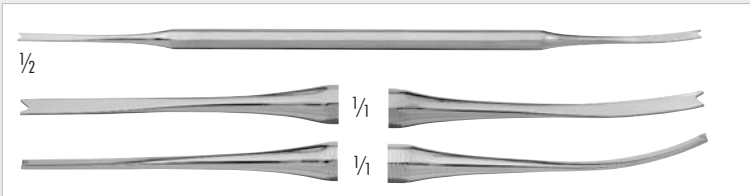
430-505-205

**NEGUS**

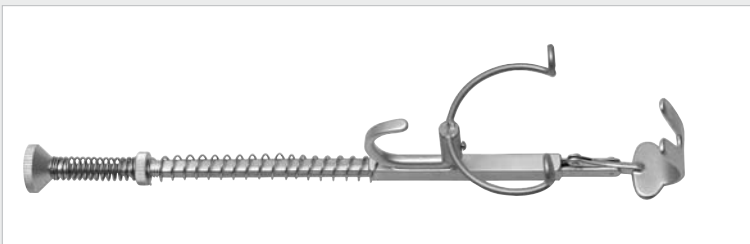
Fadengabel, 205 mm  
Knot tyer, 8 inch



430-506-210  
**CLAUS-EICKEN**  
 Fadenfänger, 210 mm  
 Suture hook (catcher), 8 ¼ inch



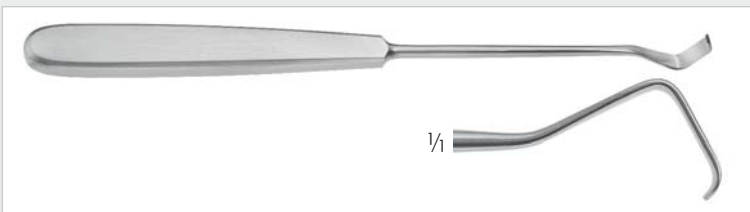
430-602-175  
**LUNIATSCHEK**  
 Tonsillen Tamponstopfer, 2 mm, 190 mm  
 Tonsil gauze packers, 2 mm, 7 ½ inch



430-508-000  
**HASLINGER**  
 Gaumensegelhalter, selbsthaltend  
 Uvula retractor (palate retractor) self-retaining



430-520-230  
**NAGER**  
 Tonsillenretraktor, 230 mm  
 Tonsil retractor, 9 inch



430-245-200  
**SCHOENBORN**  
 Gaumenhaken, 13 x 6 mm, 210 mm  
 Uvula hook, 13 x 6 mm, 8 ¼ inch



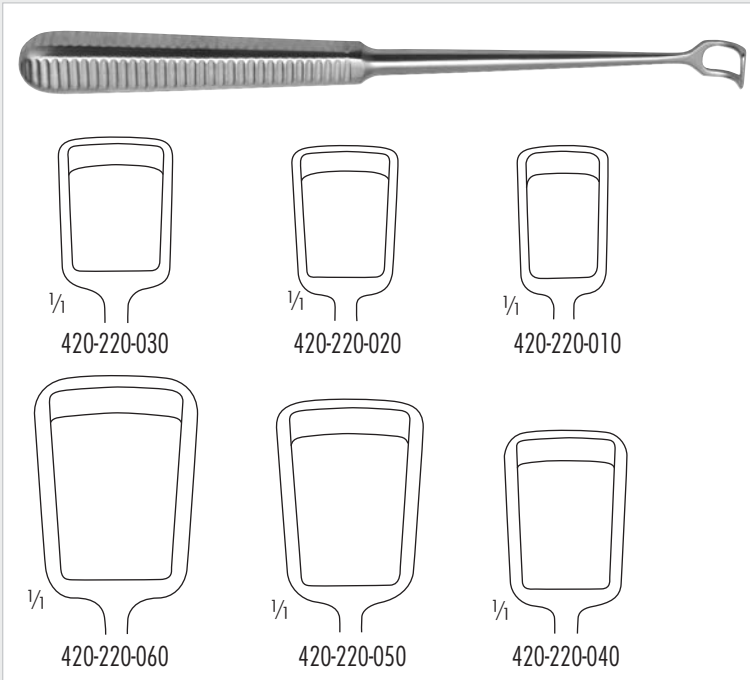
430-300-230  
**HOFER**  
 Gaumenretraktor, 240 mm  
 Uvula retractor, 9 ½ inch



430-522-230  
**HURD**  
 Elevator, 230 mm  
 Elevator, 9 inch

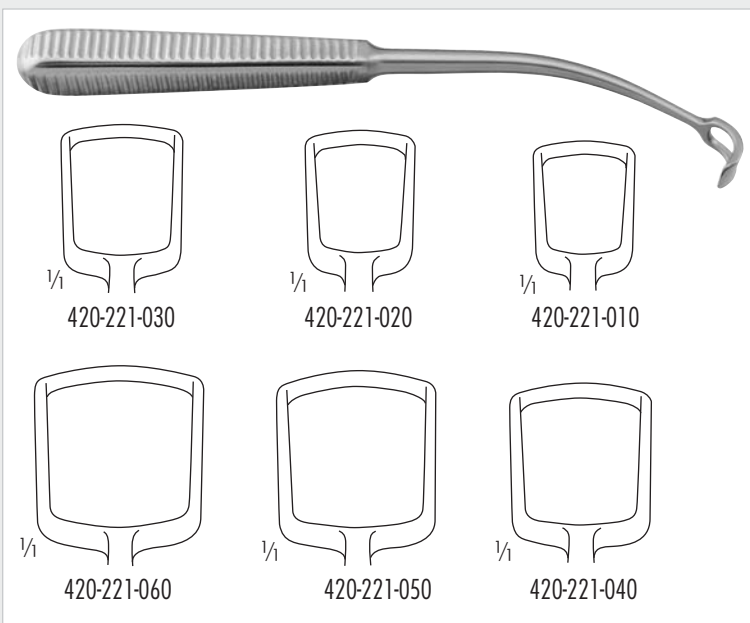


430-524-210  
**NAGER**  
 Gaumenhaken, 210 mm  
 Uvula retractor, 8 ¼ inch



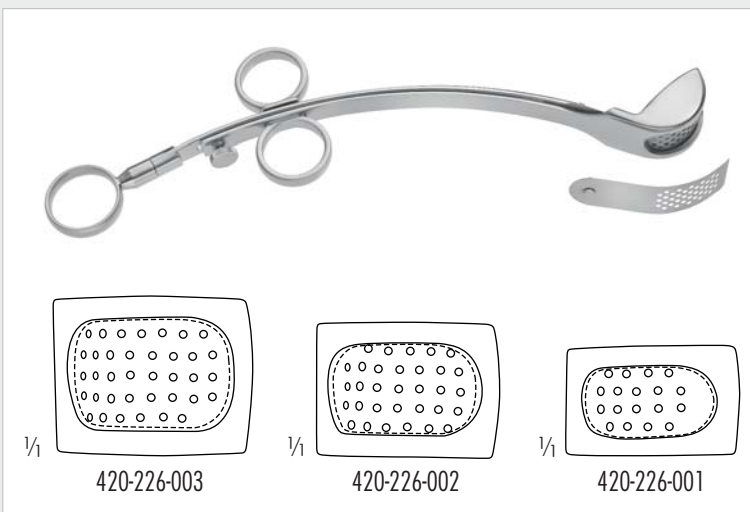
- 420-220-010 8 mm, Fig. 1
- 420-220-020 10 mm, Fig. 2
- 420-220-030 12 mm, Fig. 3
- 420-220-040 14 mm, Fig. 4
- 420-220-050 16 mm, Fig. 5
- 420-220-060 18 mm, Fig. 6
- 420-220-070 19.5 mm, Fig. 7

**BECKMANN**  
 Ringmesser, 220 mm  
 Adenoid curette, 8 3/4 inch



- 420-221-010 8 mm, Fig. 1
- 420-221-020 10 mm, Fig. 2
- 420-221-030 12 mm, Fig. 3
- 420-221-040 14 mm, Fig. 4
- 420-221-050 16 mm, Fig. 5
- 420-221-060 18 mm, Fig. 6
- 420-221-070 19.5 mm, Fig. 7

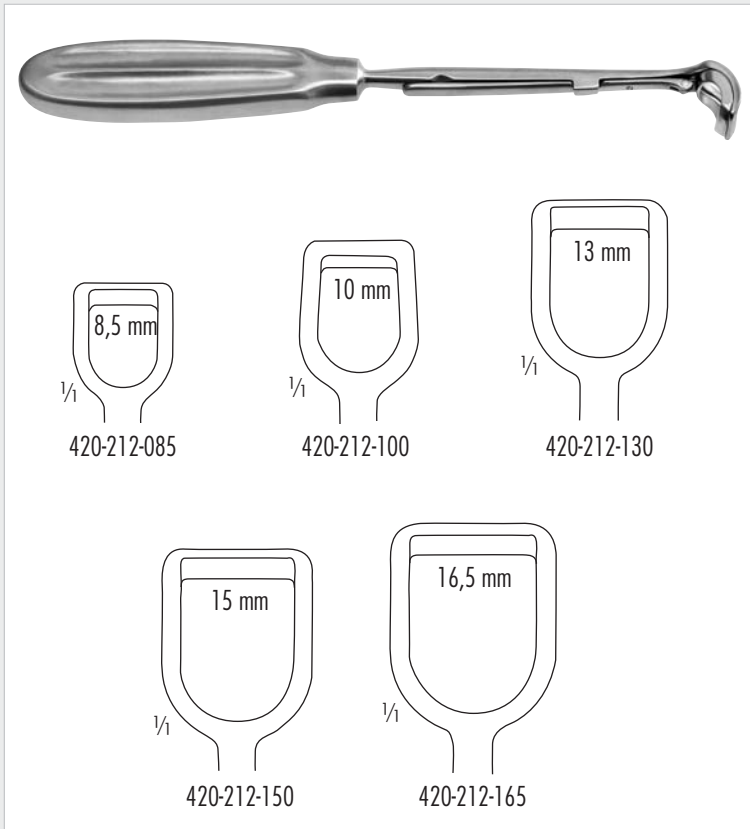
**BECKMANN**  
 Ringmesser, gebogen 220 mm  
 Adenoid curette, curved 8 3/4 inch



- 420-226-001 12 mm
- 420-226-002 16 mm
- 420-226-003 18 mm

**LA FORCE**  
 Pharynx Tonsillotom, 230 mm  
 Adenotomes, 9 inch

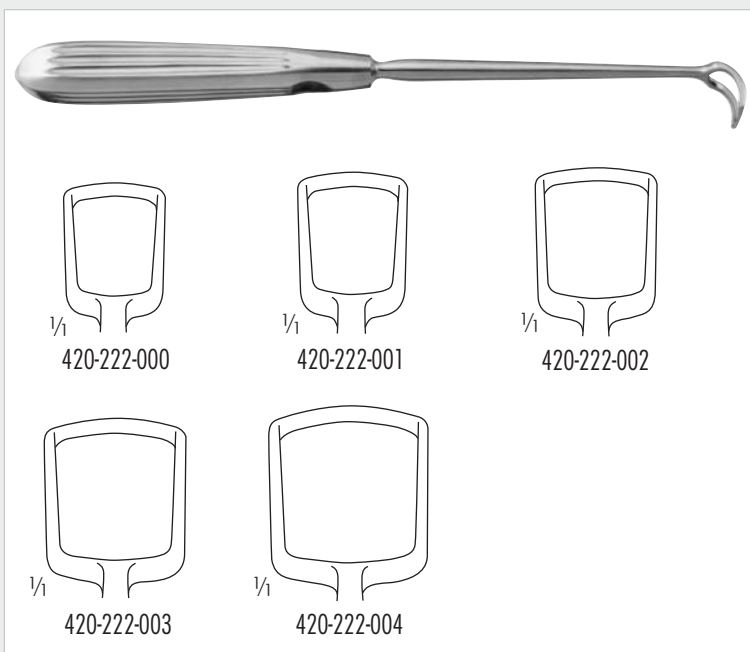
- 420-226-101
  - 420-226-102
  - 420-226-103
- LA FORCE**  
 Eratzklingen, allein, gelocht, passend  
 für 420-226-001 - 420-226-003  
 Spare blades only, perforated, suitable  
 for 420-226-001 - 420-226-003



- 420-212-085 8,5 mm
- 420-212-100 10 mm
- 420-212-130 13 mm
- 420-212-150 15 mm
- 420-212-165 16,5 mm

**ST-CLAIR-THOMPSON**

Ringmesser mit Fangkorb, 212 mm  
Adenoid curette with cage, 8 1/4 inch

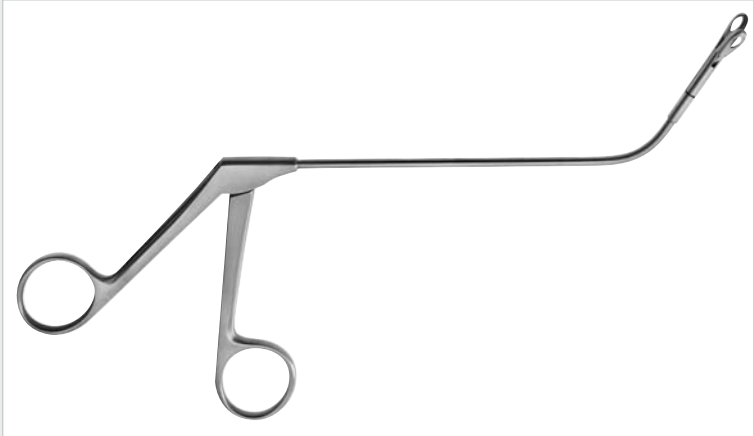


- 420-222-000 Fig. 0
- 420-222-001 Fig. 1
- 420-222-002 Fig. 2
- 420-222-003 Fig. 3
- 420-222-004 Fig. 4

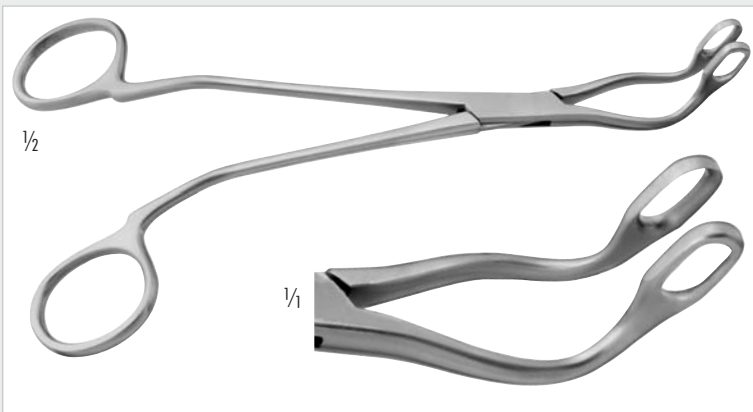
**BARNHILL**

Ringmesser, 220 mm  
Adenoid curette, 8 3/4 inch

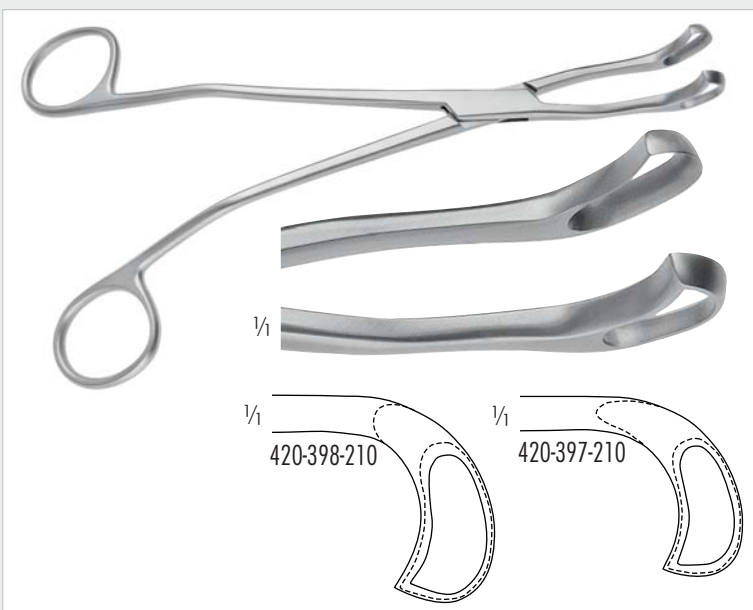




420-395-240  
**JATHO**  
 Nasenrachenraumzange, 240 mm  
 Nasopharynx forceps, 9 ½ inch



420-396-190  
**JURASZ**  
 Nasenrachenzange für Kinder, 190 mm  
 Adenoid cutting forceps for children, 7 ½ inch



420-397-210 Fig. 1  
 420-398-210 Fig. 2  
**JURASZ**  
 Nasenrachenzange, 210 mm  
 Adenoid cutting forceps, 8 ¼ inch



420-398-190

**DUPLAY**

Nasenrachenraum Tupferzange, s-förmig gebogen, 190 mm  
Nasopharyngeal sponge holding forceps, s-shaped, 7 1/2 inch



420-391-000 Fig.0 6 mm

420-391-001 Fig.1 7 mm

420-391-002 Fig.2 8 mm

**RONIS**

Adenoidzange, durchschneidend, Schaft aufgebogen,  
dreieckig, Arbeitslänge: 130 mm  
Adenoid Forceps, through cutting, upcurved shaft,  
triangular bite, working length: 5 inch



420-391-115

**KING**

Adenoidzange, durchschneidend, Schaft abgebogen,  
dreieckig, Fig. 1, 7mm Schnitt, 130mm  
Adenoid Forceps, through cutting, downcurved shaft,  
triangular bite, Fig. 1, 7 mm bite, 5 inch



420-401-001 7 mm, Fig.1  
420-401-002 8 mm, Fig.2

**MELZER**

Adenoidzange, durchschneidend, rund, mit Gitter, 140 mm  
Adenoid Forceps, through cutting, round, with basket, 5 1/2 inch



420-401-201 Fig.1

**MELZER**

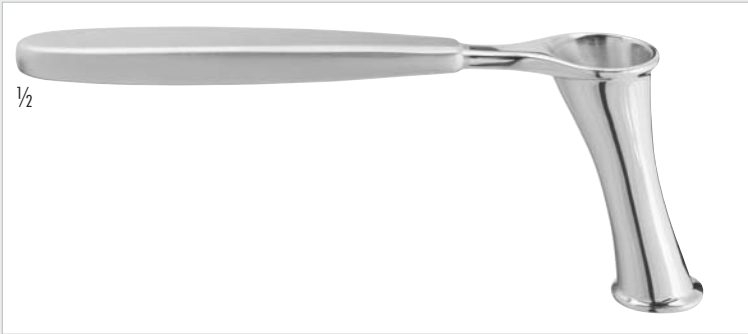
Adenoidzange, durchschneidend, oval, 5,2x 3,2mm Schnitt,  
Arbeitslänge: 140 mm  
Adenoid Forceps, through cutting, oval, 5.2 x 3.2mm bite,  
working length: 5 1/2 inch



420-401-100 6 mm, Fig.0  
420-401-101 7 mm, Fig.1  
420-401-102 8 mm, Fig.2  
420-401-103 10 mm, Fig.3

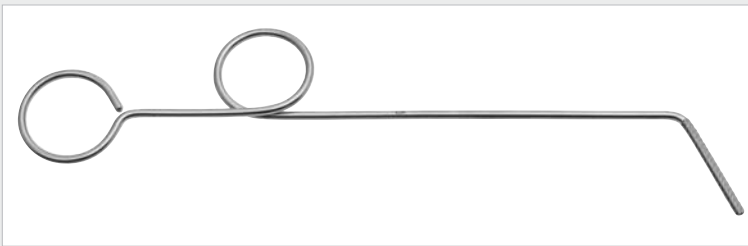
**MELZER**

Adenoidzange, durchschneidend, dreieckig, mit Gitter, 140 mm  
Adenoid Forceps, through cutting, triangular, with basket, 5 1/2 inch



1/2

420-131-190  
**YANKAUER**  
 Nasenrachenraum Spekulum, 190 mm  
 Nasopharyngeal speculum, 7 1/2 inch

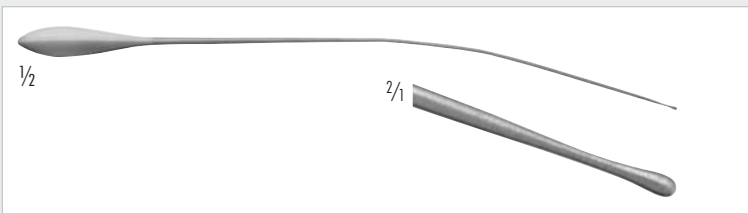


160-481-200 Ø 2.3 mm  
**HARTMANN**  
 Watteträger, spiralförmig gerieft, 220 mm  
 Postnasal applicator, spiral end, 8 1/2 inch



1/2

410-046-180 Ø 1,0 mm  
**RZ**  
 Speichelgangsonde, aus Silber, 180 mm  
 Salival duct probe, silver plated, 7 inch



1/2

2/1

410-045-180 Ø 1,0 mm  
**SEIFFERT**  
 Speichelgangsonde, aus Silber, 180 mm  
 Salival duct probe, silver plated, 7 inch



Größe 1/2

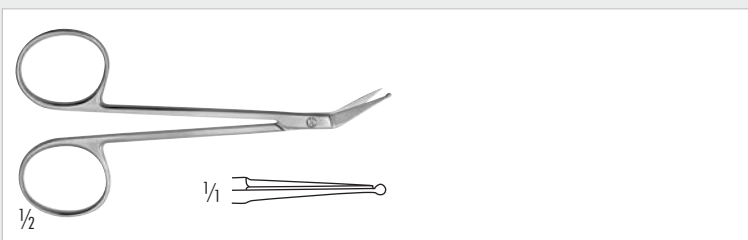
Größe 3/4

Größe 5/6

Größe 7/8

400-310-001 Fig. 1/2  
 400-310-002 Fig. 00/0  
 400-310-003 Fig. 3/4  
 400-310-004 Fig. 0000/000  
 400-310-005 Fig. 5/6  
 400-310-006 Fig. 000/00  
 400-310-007 Fig. 7/8

**BOWMAN**  
 Sonden, silber  
 Lacrimal probes, silver plated



1/2

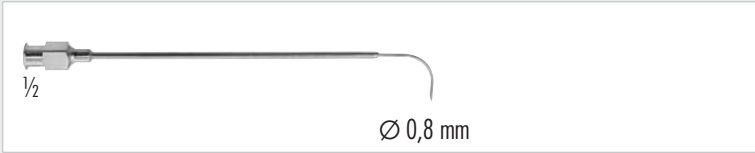
1/1

420-100-100  
**PERWITZSCHKY**  
 Speichelgangschere, 100 mm  
 Salival scissors, 4 1/2 inch



252-005-170

Tonsillenkanüle, gerade, mit Luer-Lock-Ansatz  
Tonsil needle, straight, with Luer-lock attachment



252-004-170

Tonsillenkanüle, gebogen, mit Luer-Lock-Ansatz  
Tonsil needle, strongly curved, with Luer-lock attachment



252-003-170

Septumkanüle, abgewinkelt, mit Luer-Lock Ansatz  
Septum needle, angled, with Luer-lock attachment



252-001-170

Septumkanüle, bajonettförmig gebogen, mit Luer-Lock Ansatz  
Septum needle, bayonet-shaped, with Luer-lock attachment



165-855-020 2 ml

165-855-050 5 ml

165-855-100 10 ml

Spritze, komplett  
Syringe, complete

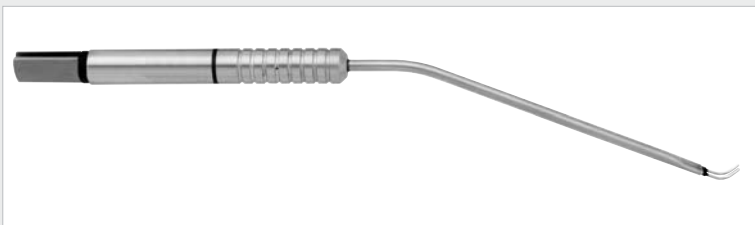


165-856-020 2 ml

165-856-050 5 ml

165-856-100 10 ml

Glaszylinder, allein  
Glas cylinder, only



100-866-230

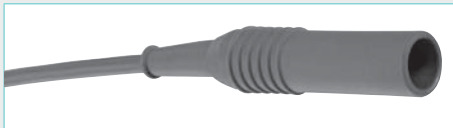
Tonsillen Bipolare Elektrode, stumpf, Nutzlänge 230 mm  
Tonsil bipolar electrode, blunt, working length 9 inch

## Bipolare Anschlußkabel/Bipolar Cables




			
2-Bananen-Stecker 2-banana-pin	Erbe	Martin, Berchtold, Aesculap GK55 + GK60	Valleylab, Lamidey, EMC

### Flachstecker/flat-plug

	3 m	700-350-030	700-101-001	700-287-030	700-351-031
	5 m	700-350-050	700-101-000	700-287-050	700-351-051

### Flachstecker, Vierkant/flat-plug, square

	3 m	700-350-130	700-101-130	700-287-130	700-351-131
	5 m	700-350-150	700-101-150	700-287-150	700-351-151





# LARYNGOSCOPY

Instruments and  
Equipment for  
Laryngoscopy

LARYNGOSCOPY

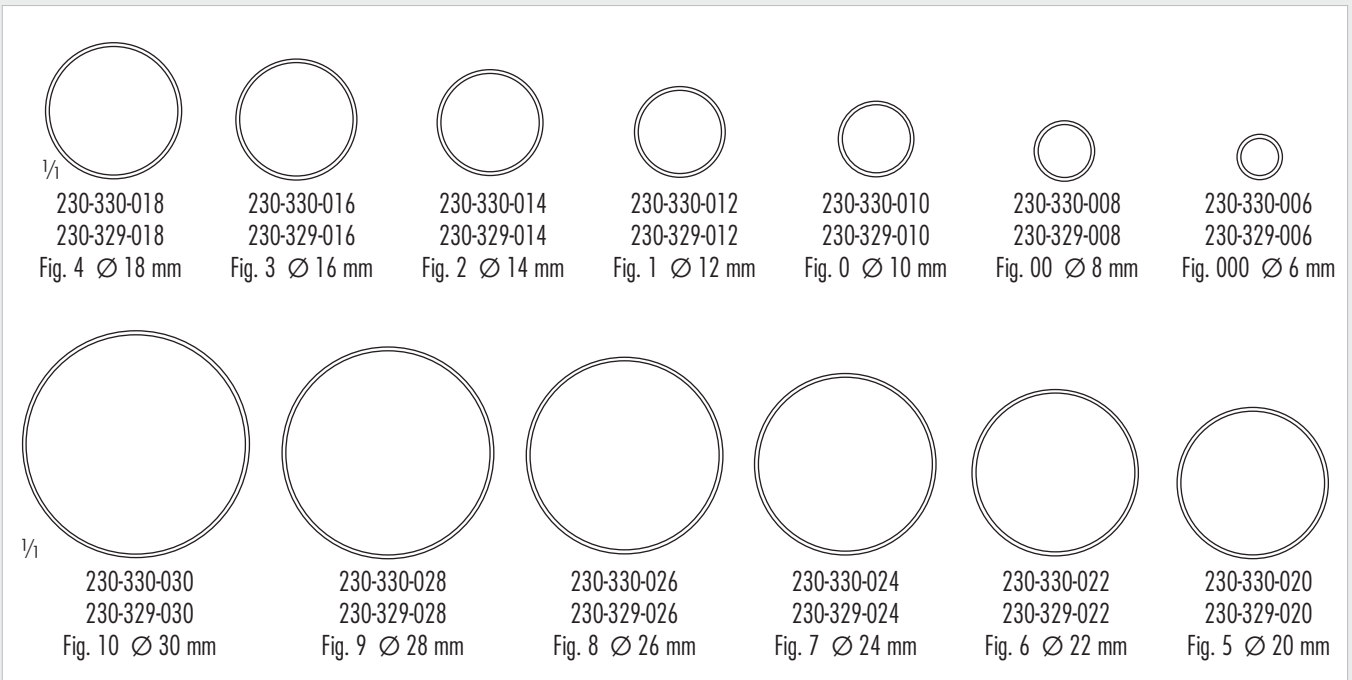




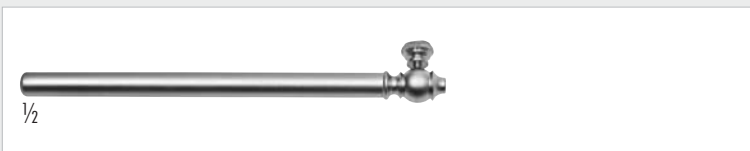
230-329-006 - 230-329-030  
Kehlkopfspiegel, 120 mm  
Laryngeal mirror, 4 1/2 inch



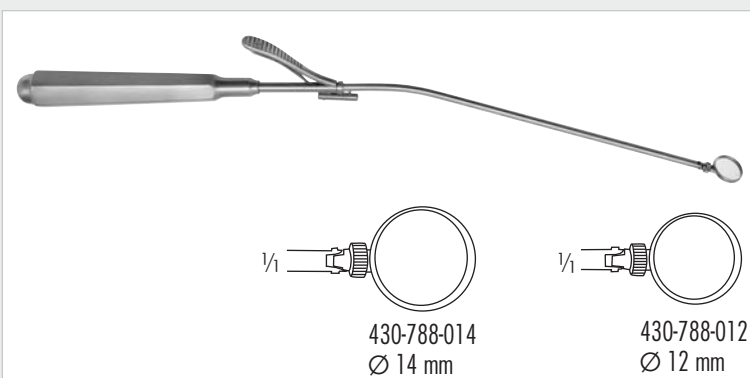
230-330-006 - 230-330-030  
Kehlkopfspiegel mit Sechskantgriff, 180 mm  
Laryngeal mirror with hexagonal handle, 7 inch



230-332-105  
Spiegelgriff, 110 mm  
Mirror handle, 4 3/8 inch



230-331-110  
Spiegelgriff mit Feststellschraube, 110 mm  
Mirror handle with set screw, 4 3/8 inch



430-788-012 Ø 12 mm 430-788-016 Ø 16 mm  
430-788-014 Ø 14 mm 430-788-018 Ø 18 mm  
**MICHEL**

Nasenspiegel mit austauschbaren Spiegelaufsätzen, 250 mm  
Rhinoscopic mirror with interchangeable mirror inserts, 10 inch

430-789-012 Ø 12 mm 430-789-016 Ø 16 mm  
430-789-014 Ø 14 mm 430-789-018 Ø 18 mm  
Ersatzspiegel, allein  
Spare mirror, only



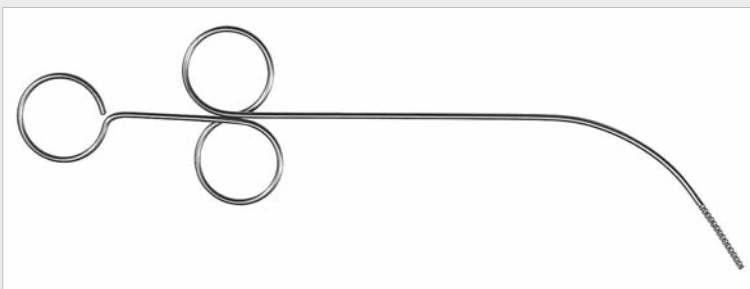
430-800-100  
Kehlkopf-Zerstäuber mit Glaszylinder, 12 ml  
Laryngeal-Atomizer with glass barrel, 12 ml



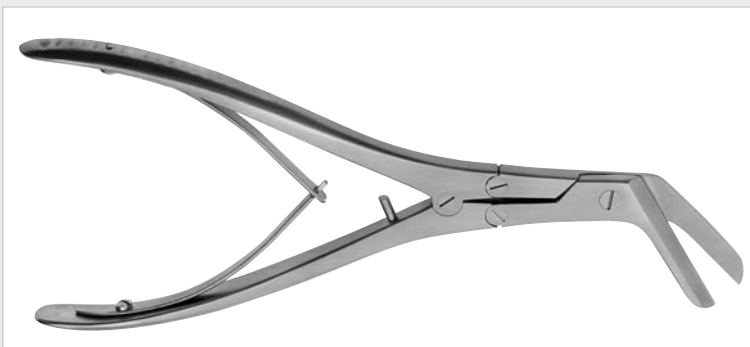
430-803-230  
**REICHERT**  
Kehldeckelhalter, 240 mm  
Epiglottis retractor, 9 1/2 inch



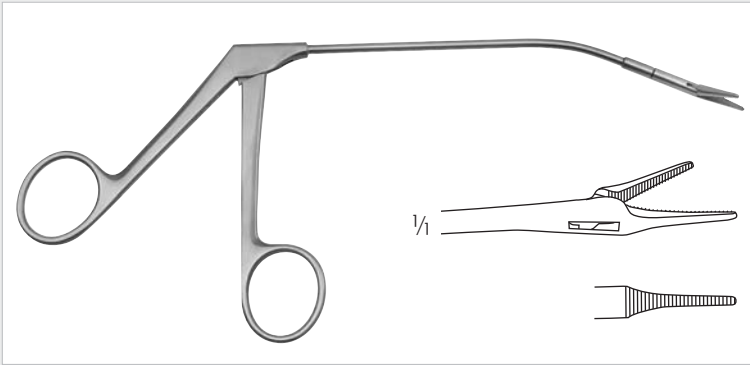
430-805-250  
**KILLIAN**  
Watteträger, 250 mm  
Laryngeal applicator, 10 inch



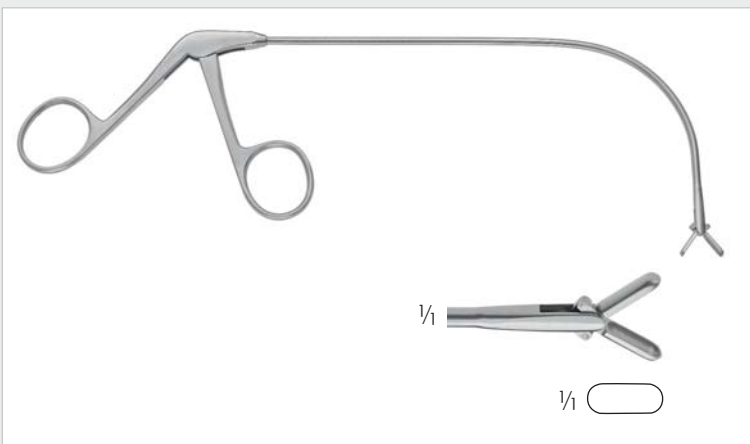
160-495-280  
**FEIN**  
Watteträger, 280 mm  
Laryngeal applicator, 11 inch



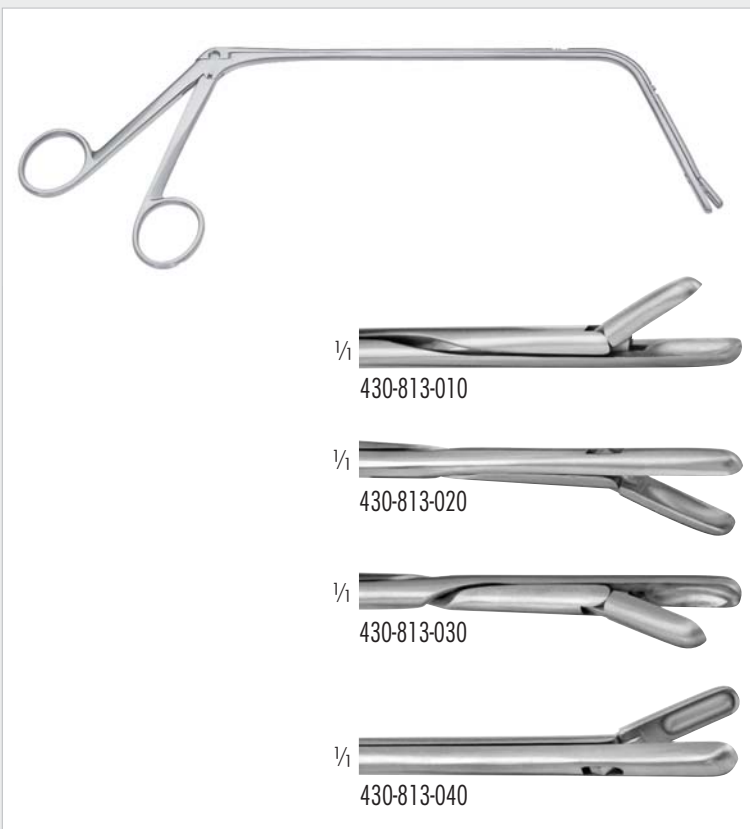
430-813-060  
**KILLIAN**  
Laryngo-Fissuren-Schere, 220 mm  
Laryngectomy scissors, double action, 8 inch



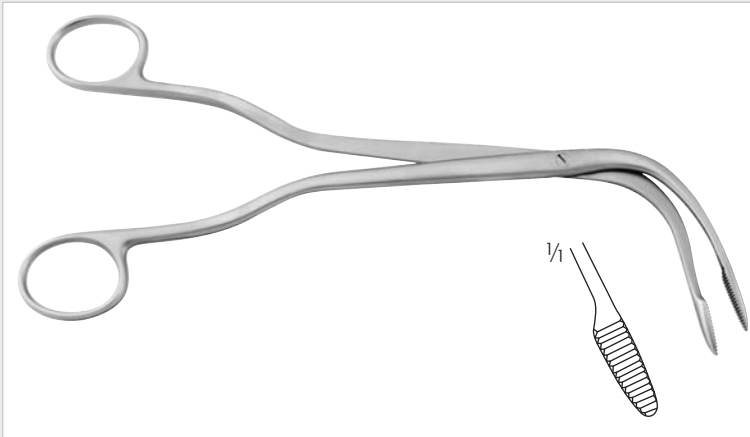
430-810-165  
**KALUSKAR**  
 Fremdkörperzange, 165 mm  
 Pharyngeal foreign body forceps, 6 1/2 inch



430-813-050  
**FRAENKEL**  
 Kehlkopfzange, doppelseitig öffnend, länglich ovales Maul, 170 mm  
 Laryngeal forceps, both sides opening, longitudinal oval jaws, 6 3/4 inch



430-813-010 nach rechts öffnend/opening to the right  
 430-813-020 nach links öffnend/opening to the left  
 430-813-030 nach unten öffnend/opening downwards  
 430-813-040 nach oben öffnend/opening upwards  
**JURASZ**  
 Kehlkopfpolypezange, 220 mm  
 Laryngeal polypus forceps, 8 1/2 inch



430-815-220  
**FRAENKEL**  
 Kehlkopfpolypenzange, 220 mm  
 Laryngeal polypus forceps, 8 3/4 inch



440-120-120  
**TROUSSEAU**  
 Trachealdilatator, 120 mm  
 Tracheal dilator, 4 3/4 inch



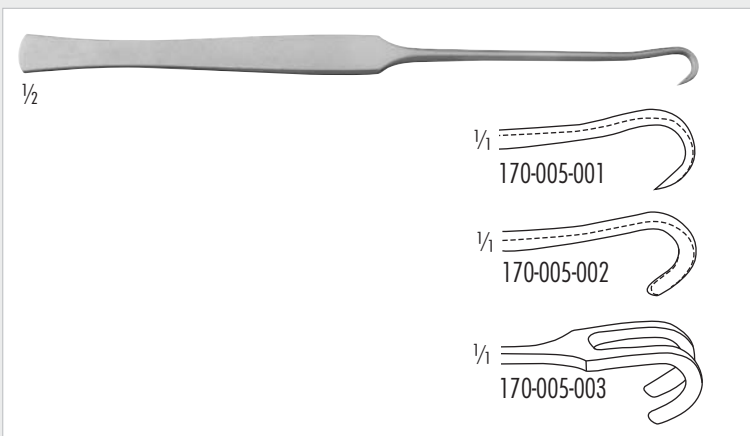
440-130-140  
**LABORDE**  
 Trachealdilatator, 140 mm  
 Tracheal dilator, 5 1/2 inch



170-002-165  
**BOSE**  
 Trachealhäkchen, links, für die rechte Hand, 160 mm  
 Tracheal ligature hook, left, for the right hand, 6 1/4 inch



170-003-165  
**BOSE**  
 Trachealhäkchen, rechts, für die linke Hand, 160 mm  
 Tracheal ligature hook, right, for the left hand, 6 1/4 inch



170-005-001  
 Trachealhaken, scharf, 180 mm  
 Tracheal retractor, sharp, 7 inch

170-005-002  
 Trachealhaken, stumpf, 180 mm  
 Tracheal hook, blunt, 7 inch

170-005-003  
 Trachealhaken, 2 Zähne, stumpf, 180 mm  
 Tracheal hook, 2 prongs, blunt, 7 inch



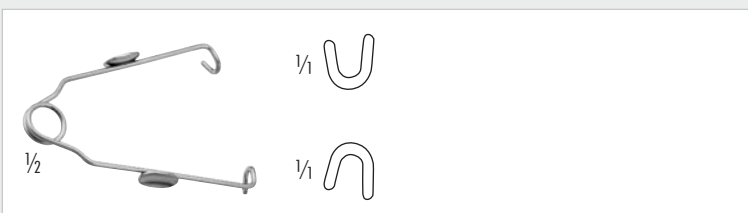
440-221-160  
**KOCHER**  
 Kropf Sonde, mit Loch, 160 mm  
 Goitre director, with hole, 6 inch



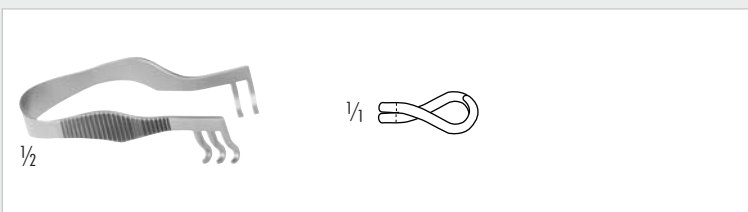
440-020-130 Ø 9,0 mm  
 440-021-130 Ø 7,5 mm  
**UCKERMANN**  
 Trachealtrokar, 130 mm  
 Tracheal trocar, 5 inch



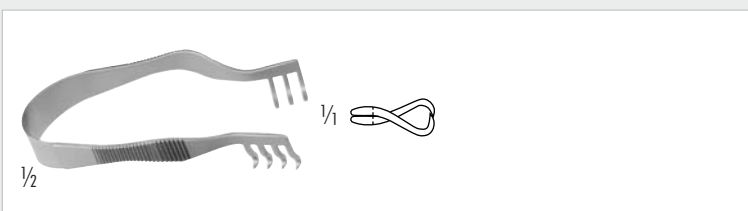
440-100-100  
**RZ Notfall Set**  
 Tracheostomy Set, komplett, schnelles Öffnen der Luftwege durch die Koniotomie Dolchscherer 120-537-140 nach vorheriger Stichinzision der Haut  
**RZ Emergency Set**  
 Tracheostomy set, complete, quick opening of respiratory tract by using a coniotomy scissors 120-537-140 following a skin incision



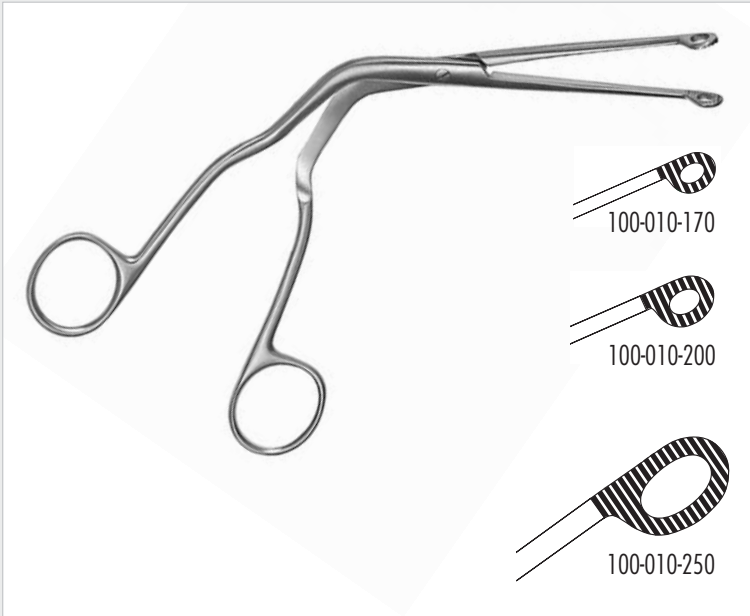
170-700-060  
**BOSE**  
 Wundspreizer, 60 mm  
 Tracheal retractor, 2 3/8 inch



170-701-050  
**FINSEN**  
 Wundspreizer, 2 x 3 Zähne, stumpf, 50 mm  
 Tracheal retractor, 2 x 3 teeth, blunt, 2 inch



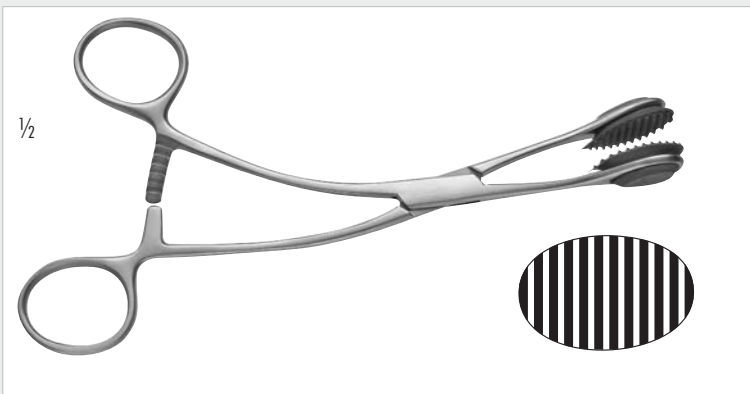
170-702-070 scharf/sharp  
 170-703-070 stumpf/blunt  
**FINSEN**  
 Wundspreizer, 3 x 4 Zähne, scharf, 70 mm  
 Tracheal retractor, 3 x 4 teeth, sharp, 2 3/4 inch



100-010-170  
**MAGILL**  
 Kleinkinder, 170 cm  
 Small children, 6 ¼ inch

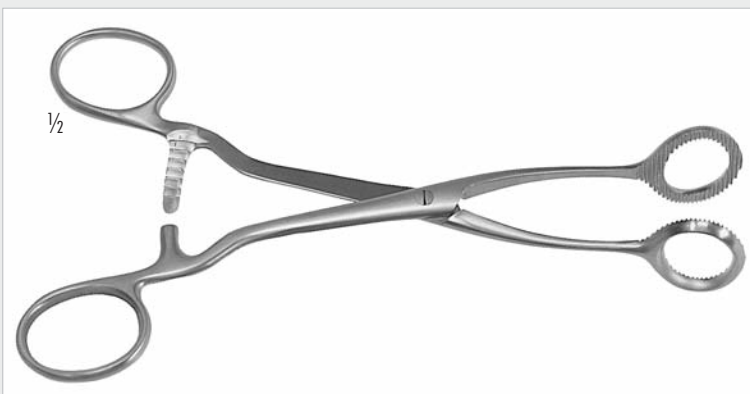
100-010-200  
**MAGILL**  
 Kinder, 200 cm  
 Children, 8 inch

100-010-250  
**MAGILL**  
 Erwachsene, 250 cm  
 Adult, 10 inch



430-467-170  
**YOUNG**  
 170 cm  
 6 ¼ inch

430-468-000  
 Ersatz-Gummi Einsatz, 1 Paar  
 Spare rubber inserts, 1 pair



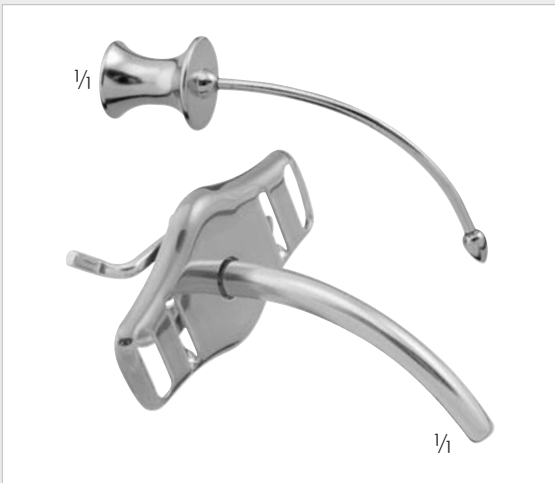
430-465-160 160 mm/6 ½ inch  
 430-465-170 170 mm/6 ¾ inch  
 430-465-190 190 mm/7 ½ inch

**COLLIN**  
 Zungenzange  
 Tongue holding forceps



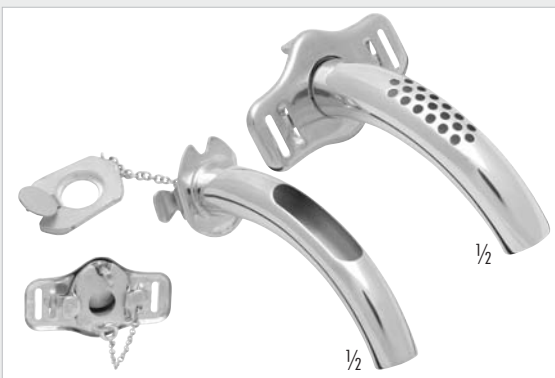
Silber silver	Größe size	Außen-Ø Outside diam.
440-106-000	0	4 mm
440-106-001	1	5 mm
440-106-002	2	6 mm
440-106-003	3	7 mm
440-106-004	4	8 mm
440-106-005	5	9 mm
440-106-006	6	10 mm
440-106-007	7	11 mm
440-106-008	8	12 mm
440-106-009	9	13 mm

**LUER**  
Trachealkanüle  
Tracheal tube



rostfreier Stahl stainless steel	Silber silver	Größe size	Außen-Ø Outside diam.
440-102-000	440-100-000	0	4 mm
440-102-001	440-100-001	1	5 mm
440-102-002	440-100-002	2	6 mm
440-102-003	440-100-003	3	7 mm
440-102-004	440-100-004	4	8 mm
440-102-005	440-100-005	5	9 mm
440-102-006	440-100-006	6	10 mm
440-102-007	440-100-007	7	11 mm
440-102-008	440-100-008	8	12 mm
440-102-009	440-100-009	9	13 mm

**JACKSON**  
Trachealkanüle, mit Obturator  
Tracheal tube, with obturator



Silber silver	Größe size	Außen-Ø Outside diam.
440-150-004	4	8 mm
440-150-005	5	9 mm
440-150-006	6	10 mm
440-150-007	7	11 mm
440-150-008	8	12 mm
440-150-009	9	13 mm

**LUER**  
Trachealkanüle mit Sprechventil, Fenster im Innen- und Außenrohr, mit Sicherungskette  
Tracheal tube with speaking valve, with 2 windows, with safety chain



- 100-210-000 67 mm, Fig. 00
- 100-210-001 75 mm, Fig. 0
- 100-210-002 90 mm, Fig. 1
- 100-210-003 110 mm, Fig. 2
- 100-210-004 130 mm, Fig. 3
- 100-210-005 150 mm, Fig. 4
- 100-210-006 170 mm, Fig. 5

**MC INTOSH (English Model)**

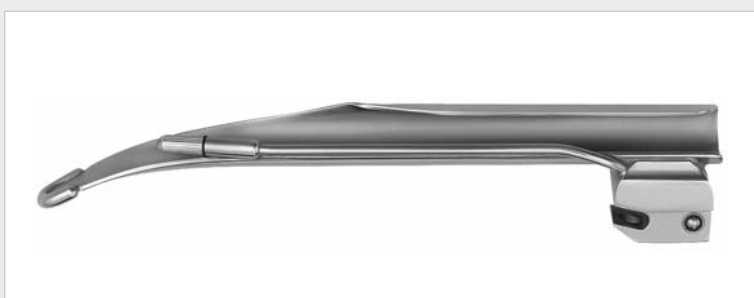
Warmlicht Layngoskopspatel  
Warm-light laryngoscope blade



- 100-210-010 78 mm, Fig. 0
- 100-210-011 88 mm, Fig. 1
- 100-210-012 110 mm, Fig. 2
- 100-210-013 130 mm, Fig. 3
- 100-210-014 147 mm, Fig. 3.5
- 100-210-015 160 mm, Fig. 4

**MC INTOSH (American Model)**

Warmlicht Layngoskopspatel  
Warm-light laryngoscope blade



- 100-212-000 67 mm, Fig. 00
- 100-212-001 75 mm, Fig. 0
- 100-212-002 100 mm, Fig. 1
- 100-212-003 155 mm, Fig. 2
- 100-212-004 195 mm, Fig. 3
- 100-212-005 205 mm, Fig. 4

**MILLER**

Warmlicht Layngoskopspatel  
Warm-light laryngoscope blade



- 100-214-000 75 mm, Fig. 00
- 100-214-001 92 mm, Fig. 0
- 100-214-002 115 mm, Fig. 1
- 100-214-003 130 mm, Fig. 2
- 100-214-004 160 mm, Fig. 3
- 100-214-005 190 mm, Fig. 4

**FOREGGER**

Warmlicht Layngoskopspatel  
Warm-light laryngoscope blade





- 100-220-001 90 mm, Fig. 1
- 100-220-002 110 mm, Fig. 2
- 100-220-003 130 mm, Fig. 3
- 100-220-004 160 mm, Fig. 4

**NEGUS GUEDEL**

Warmlicht Layngoskopspatel  
Warm-light laryngoscope blade



- 100-221-002 165 mm, Fig. 2

**PHILLIPS**

Warmlicht Layngoskopspatel  
Warm-light laryngoscope blade



100-300-002

100-300-001

- 100-300-002 Für/for Fig. 00 bis 0
  - 100-300-001 Für/for Fig. 1 bis 5
- Ersatzlämpchen für Spatel  
Spare Lamps for blades



100-250-000

100-251-000

100-250-002

**100-250-000**

Warmlichtgriff, groß, mit Glühbirne, ohne Batterien  
Warm-light handle, large, with bulb, without batteries

**100-251-000**

Warmlichtgriff, klein mit Glühbirne, ohne Batterien  
Warm-light handle, small, with bulb, without batteries

**100-250-002**

Warmlichtgriff, groß, mit Glühbirne, ohne Batterien,  
Trafo-Anschluss für aufladbare Batterien  
Warm-light handle, large, with bulb, without batteries  
Trafo-connection for rechargeable battery

Warmicht Laryngoskop Set im Etui, mit Griff 100-250-000  
 Warm-light laryngoscope set in Case, with Handle 100-250-000

**MC INTOSH (English Model)**

100-210-300  
 5 Spatel/blades, Fig. 0 - 4

100-210-200  
 4 Spatel/blades, Fig. 1 - 4

100-210-100  
 3 Spatel/blades, Fig. 1 - 3

**MILLER**

100-212-300  
 5 Spatel/blades, Fig. 0 - 4

100-212-200  
 4 Spatel/blades, Fig. 1 - 4

100-212-100  
 3 Spatel/blades, Fig. 2 - 4

**FOREGGER**

100-214-200  
 5 Spatel/blades, Fig. 0 - 4

100-214-100  
 4 Spatel/blades, Fig. 1 - 4





- 100-330-000 60 mm, Fig. 00
- 100-330-001 75 mm, Fig. 0
- 100-330-002 90 mm, Fig. 1
- 100-330-003 110 mm, Fig. 2
- 100-330-004 130 mm, Fig. 3
- 100-330-005 150 mm, Fig. 4
- 100-330-006 170 mm, Fig. 5

**MC INTOSH (English Model)**

Fiberoptik Layngoskopspatel  
Fiberoptic laryngoscope blade



- 100-330-010 55 mm, Fig. 0
- 100-330-011 88 mm, Fig. 1
- 100-330-012 110 mm, Fig. 2
- 100-330-013 130 mm, Fig. 3
- 100-330-014 147 mm, Fig. 3.5
- 100-330-015 160 mm, Fig. 4

**MC INTOSH (American Model)**

Fiberoptik Layngoskopspatel  
Fiberoptic laryngoscope blade



- 100-211-000 50 mm, Fig. 00
- 100-211-001 75 mm, Fig. 0
- 100-211-002 90 mm, Fig. 1
- 100-211-003 110 mm, Fig. 2
- 100-211-004 130 mm, Fig. 3
- 100-211-005 150 mm, Fig. 4

**MC INTOSH**

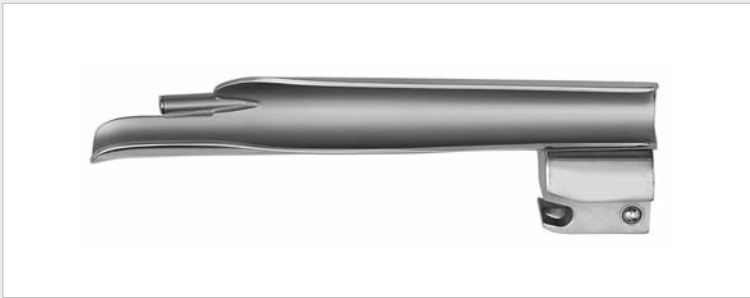
Fiberoptik Kaltlicht Layngoskopspatel  
Fiberoptic cold-light laryngoscope blade



- 100-213-000 67 mm, Fig. 00
- 100-213-001 75 mm, Fig. 0
- 100-213-002 100 mm, Fig. 1
- 100-213-003 155 mm, Fig. 2
- 100-213-004 195 mm, Fig. 3
- 100-213-005 205 mm, Fig. 4

**MILLER**

Fiberoptik Kaltlicht Layngoskopspatel  
Fiberoptic cold-light laryngoscope blade



- 100-215-000 75 mm, Fig. 00
- 100-215-001 92 mm, Fig. 0
- 100-215-002 115 mm, Fig. 1
- 100-215-003 130 mm, Fig. 2
- 100-215-004 160 mm, Fig. 3
- 100-215-005 190 mm, Fig. 4

**FOREGGER**

Kaltlicht Laryngoskopspatel  
Cold-light laryngoscope blade



- 100-218-003 170 mm, Fig. 3
- 100-218-004 190 mm, Fig. 4

**MC INTOSH**

Kaltlicht Laryngoskopspatel mit flexibler Spitze  
Cold-light laryngoscope blade with flexible tip



100-260-000

Halogen Ersatzlampe für Kaltlichtgriff  
Halogen-Lamp for Cold-Light Handle



100-211-010

Kaltlichtgriff, groß, mit Halogenbirne, ohne Batterien,  
Trafo-Anschluss für aufladbare Batterien  
Cold-Light handle, large, with halogen bulb, without batteries  
Trafo-connection for rechargeable battery

100-211-011

Kaltlichtgriff, Ø18mm, mit Halogen Lampe, ohne Batterien  
Cold-Light handle, Ø18mm, with halogen-bulb, without batteries

100-211-010

Kaltlichtgriff, Ø30mm, mit Halogen Lampe, ohne Batterien  
Cold-Light handle, Ø30mm, with halogen-bulb, without batteries



100-211-013

Kaltlichtgriff, Ø 30mm, LED-Beleuchtung, wiederaufladbar  
Cold-light handle, Ø 30mm, LED illumination, rechargeable



300-001-144

RZ Mobile Kaltlichtgriff für Endoskopie, LED-Beleuchtung, rostfreier Stahl  
RZ Mobile cold-light handle for Endoscopy, LED illumination, stainless steel

300-001-143 230V

300-001-043 110V

RZ Mobile Ladestation für Kaltlichtgriff, LED Beleuchtung  
RZ Mobile charging station for cold-light handle, LED illumination

300-001-143  
(Charger only)

300-001-144



100-211-012T

Ladegerät für Kaltlichtgriff 100-211-010  
Charger for Cold-light handle 100-211-010

100-250-016

Akku Einsatz für 100-211-010  
Accu Insert for 100-211-010



Kaltlicht Laryngoskop Set im Etui, mit Griff 100-211-010  
Cold-light laryngoscope set in Case, with Handle 100-211-010

**MC INTOSH (English Model)**

100-211-300  
5 Spatel/blades, Fig. 0 - 4

100-211-200  
4 Spatel/blades, Fig. 1 - 4

100-211-100  
3 Spatel/blades, Fig. 1 - 3

**MILLER**

100-213-300  
5 Spatel/blades, Fig. 0 - 4

100-213-200  
4 Spatel/blades, Fig. 1 - 4

100-213-100  
3 Spatel/blades, Fig. 2 - 4

**FOREGGER**

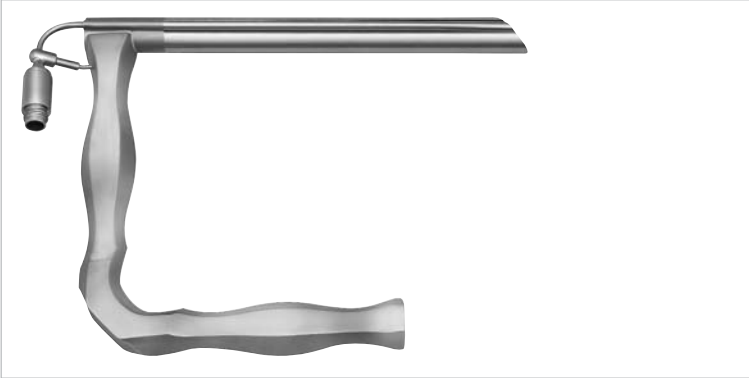
100-215-200  
5 Spatel/blades, Fig. 0 - 4

100-215-100  
4 Spatel/blades, Fig. 1 - 4

- 100-500-201 Fig. 1, 135mm
- 100-500-202 Fig. 2, 152mm
- 100-500-203 Fig. 3, 182mm
- 100-500-204 Fig. 4, 172mm
- 100-500-205 Fig. 5, 172mm
- 100-500-206 Fig. 6, 182mm
- 100-500-207 Fig. 7, 222mm

Operations-Laryngoskop, spreizbar  
Operating laryngoscope, spreadable





- 100-505-001 Säuglinge, Arbeitslänge 120 mm  
newborn, working length 4 ¾ inch
- 100-505-002 Kinder, Arbeitslänge 170 mm  
children, working length 6 ¾ inch
- 100-505-003 Erwachsene, Arbeitslänge 180 mm  
adults, working length 7 inch

**JACKSON**

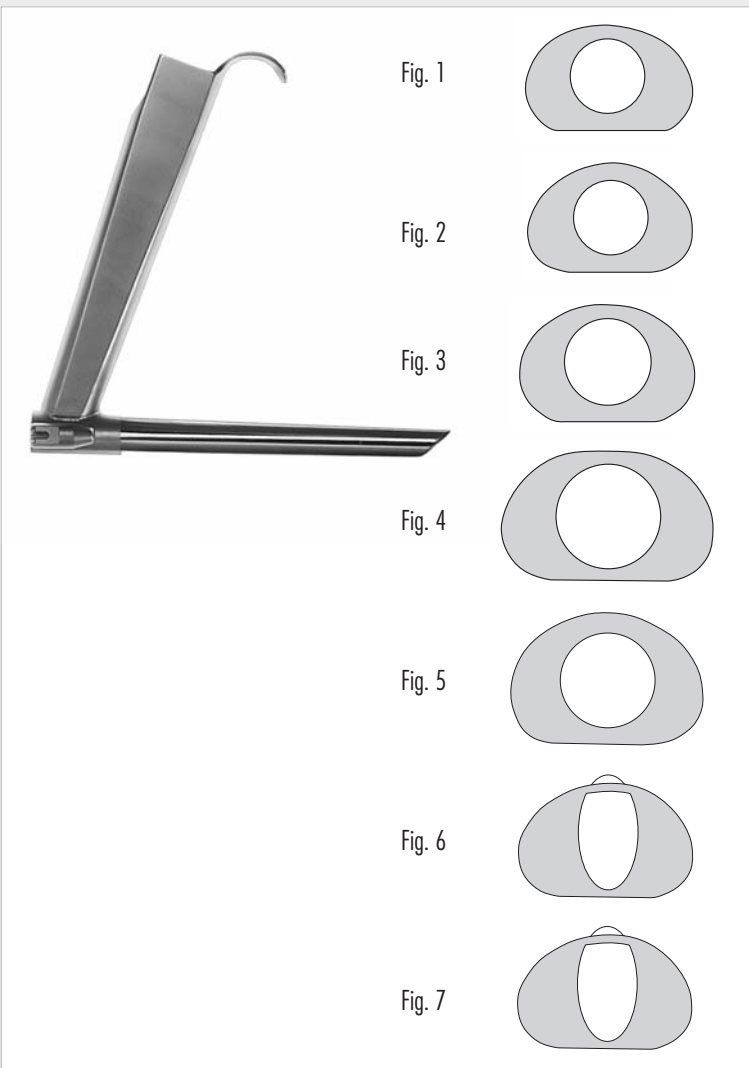
Operationslaryngoskop, mit Fiberglas Lichtträger  
Operating laryngoscope, with fiberglass light carrier



- 100-510-001 Säuglinge, Arbeitslänge 120 mm  
Babys, working length 4 ¾ inch
- 100-510-002 Kinder, Arbeitslänge 170 mm  
Children, working length 6 ¾ inch
- 100-510-003 Erwachsene, Arbeitslänge 180 mm  
Adults, working length 7 inch

**HOLINGER**

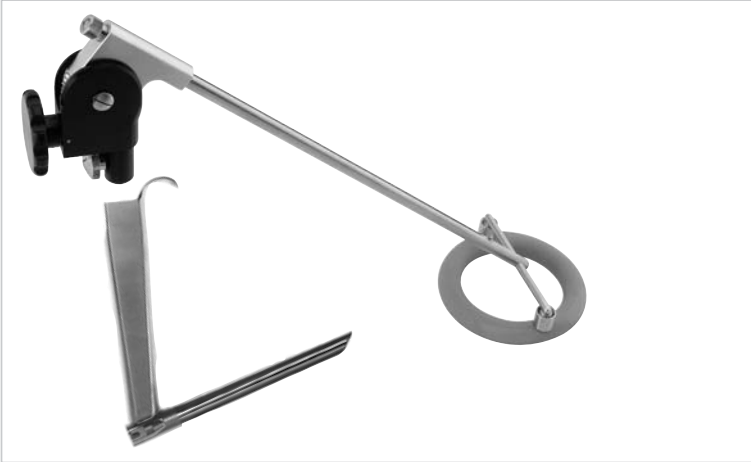
Operationslaryngoskop, mit Fiberglas Lichtträger  
Operating laryngoscope, with fiberglass light carrier



- 100-500-001 135 mm, Fig. 1
- 100-500-002 152 mm, Fig. 2
- 100-500-003 182 mm, Fig. 3
- 100-500-004 172 mm, Fig. 4
- 100-500-005 172 mm, Fig. 5
- 100-500-006 182 mm, Fig. 6
- 100-500-007 222 mm, Fig. 7

**KLEINSASSER**

Operationslaryngoskop  
Operation Laryngoscope



100-500-100

Bruststütze mit Stützstange für Erwachsene, 340 mm  
Chest-support with support-rod for adults, 13 ½ inch

100-500-101

Bruststütze mit Stützstange für Kinder, 240 mm  
Chest-support with support-rod for children, 9 ½ inch



100-500-102

**LEWY**

Laryngoskop-Halter für Jackson Laryngoskope  
Laryngoscopy holder for Jackson laryngoscopes



100-500-019 klein/small

Fiberglas-Lichtträger, für Laryngoskope 100-500-001 - 100-500-002  
Fibre optic light guide, for Laryngoscopes 100-500-001 - 100-500-002



100-500-020 mittel/medium

Fiberglas-Lichtträger, für Laryngoskope 100-500-003 - 100-500-006  
Fibre optic light guide, for Laryngoscopes 100-500-003 - 100-500-006



100-500-021 groß/large

Fiberglas-Lichtträger, für Laryngoskop 100-500-007  
Fibre optic light guide, for Laryngoscope 100-500-007



100-500-050

Injektionskanüle für Laryngoskope 100-500-001 - 100-500-007  
Injections drain tube for Laryngoscopes 100-500-001 - 100-500-007



100-500-075

Rauchabsaugrohr für Laryngoskope  
100-500-003 - 100-500-007  
Smoke evacuation tube for Laryngoscopes  
100-500-001 - 100-500-007





### 100-500-310

Rhino-Pharyngoskop mit Quarzglasbildbündelsystem, ca 2-3  $\mu\text{m}$  Pixelgröße, 7000 Pixel

Parameter/Technische Daten:

- hohe Auflösung
- hervorragende Bedienungseigenschaften
- größere Helligkeit

Arbeitslänge	max. 300 mm
$\varnothing$ im Bereich der Arbeitslänge	3,2 mm
2-fach abgewinkelbare Spitze	auf 160° ab 160°
Länge der abwinkelbaren Spitze	20 mm
minimaler Biegeradius	30 mm
Blickrichtung	0°
Bildwinkel	85°
Fokussierung	3 - 60 mm
im Koffer mit Zubehör, u.a. Manometer	

Rhino-Pharyngoscope with fused silica image guide system, ca. 2-3  $\mu\text{m}$  pixel size, 7000 pixels

Parameter/Technical Data:

- high resolution
- excellent pushing characteristics
- higher illumination

working length	max. 300 mm
outer $\varnothing$	3.2 mm
2-way tip-deflection	up 160°, down 160°
length of movable tip-section	20 mm
minimal bending radius	30 mm
viewing direction	0°
field of view	85°
focussion	3 - 60 mm
in case with accessories a.o. Manometer	

Vollständig gassterilisierbar (ETO/Formaldehyd) und in Desinfektionsmittel einlegbar.  
Fully soakable, ETO, gas sterilizable

### 100-500-380

Rhino-Pharyngoskop mit konventionellem Bildbündelsystem 12.000 Pixel, 10  $\mu\text{m}$ -Fasern

Parameter/Technische Daten:

- kontrastreiches Bild
- hohe Flexibilität
- einfache Fokussierung

Arbeitslänge	max. 300 mm
$\varnothing$ im Bereich der Arbeitslänge	3,8 mm
2-fach abwinkelbare Spitze	auf 125° ab 125°
Länge der abwinkelbaren Spitze	25 mm
minimaler Biegeradius	30 mm
Blickrichtung	0°
Bildwinkel	Weitwinkel
Fokussierung	3 mm bis unendlich
im Koffer mit Zubehör, u.a. Manometer	

Rhino-Pharyngoscope with conventional image guide system, 12.000 pixels, 10  $\mu\text{m}$ -fibres

Parameter/Technical Data:

- high-contrast image
- high flexibility
- easy to focus

working length	max. 300 mm
outer $\varnothing$	3.8 mm
2-way tip-deflection	up 125°, down 125°
length of movable tip-section	25 mm
minimal bending radius	30 mm
viewing direction	0°
field of view	wide angle
focussion	3 mm to infinity
in case with accessories a.o. Manometer	



100-500-385

Die Rhino-Pharyngoskope der neuen Generation sind intuitiv bedienbar und ergonomisch optimal geformt, entwickelt für die notwendige Feinfühligkeit im täglichen Routineeinsatz und ein ermüdungsfreies Handling. Hochwertige Bildleiter und ein leistungsfähiges optisches System liefern große und helle Bilder bester Auflösung – die Voraussetzung für eine sichere Diagnose und Therapie.

Dank solider Verarbeitung und konsequenter Verwendung moderner Hochleistungswerkstoffe sind Rhino-Pharyngoskope robuster und langlebiger – trotz steigender Belastung durch moderne Aufbereitungsverfahren. Funktionelles Design für ein entspanntes, angenehmes Handling, feinfühlig aber robuste Steuerung.

Optimale Flexibilität und Torsionssteifigkeit des Einführschachts, leistungsfähiges optisches System, größere, hellere, schärfere Bilder.

Geeignete Wiederaufbereitungsverfahren:

- einlegbar in Reinigungs- und Desinfektionslösung
- STERRAD®
- STERIS®
- ETO
- maschinelle Aufbereitung (RDG-E)

Rhino-Pharyngoskop **mit Arbeitskanal** und ETO-Ventil  
18,000 pixel

Einführschlauch: 4,0 mm  
Arbeitslänge: 320 mm  
Abwinklung: auf/ab 130°  
Blickfeld: 80°  
Tiefenschärfe: 1-50 mm

**Zubehör:**

- ETO-Kappe
- Dichtigkeitstester
- Adapter Storz/Olympus
- Adapter Wolf
- PE-Zange 1,0 mm x 800 mm
- Reinigungsbürste 1,5 mm x 1100 mm
- Kappe für Arbeitskanal

The Rhino-Pharyngoscopes of the new generation allow an intuitive handling: They have been developed in order to meet the required sensitivity in the daily use.

High-quality fibres and a powerful optical system provide great and bright pictures of best resolution – the main condition for a save diagnosis and therapy.

Thanks to the stable manufacture out of modern high-standard material, our Rhino-Pharyngoscopes are very robust and durable – despite growing imposition through modern preparation methods. The functional design offers a relaxed, comfortable handling due to its ergonomic shape under a sensitive but robust control.

Optimal flexibility and torsion rigidity of the sheath.

Suitable preparation methods:

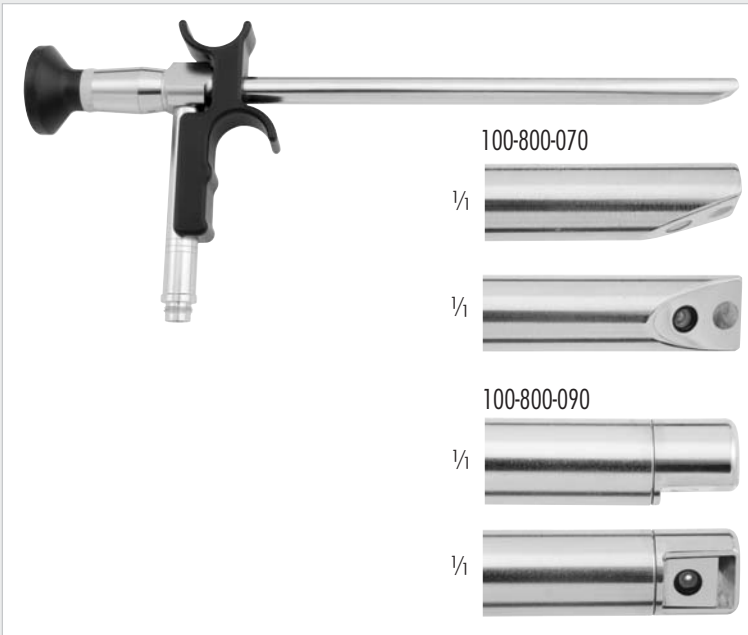
- Solution for cleaning or disinfection
- STERRAD®
- STERIS®
- ETO
- Automatic preparation (RDG-E)

Rhino-Pharyngoscope **with working channel** and ETO valve  
18.000 pixel

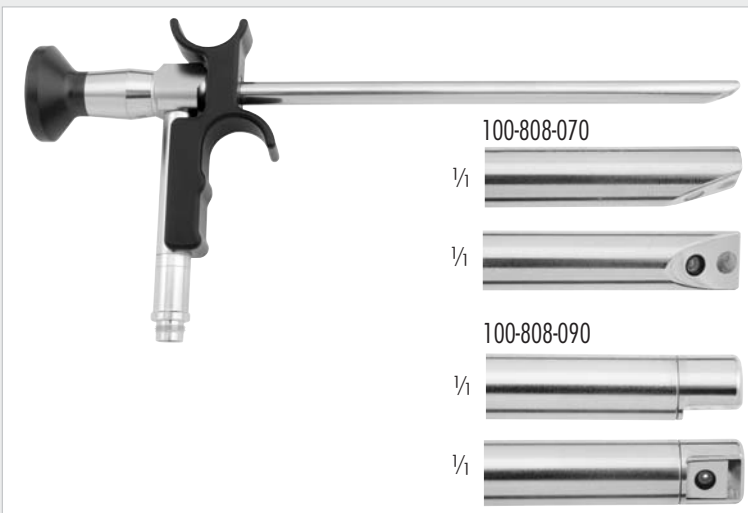
Insertion tube: 4.0 mm  
Working length: 12 ½ inch  
Max bending: up/down 130°  
Field of view: 80°  
Depth of field: 1-50 mm

**Accessories:**

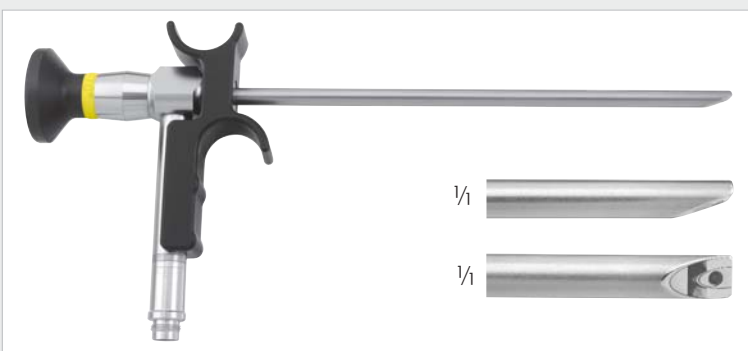
- ETO valve
- Leakage tester
- Adaptor Storz/Olympus
- Adaptor Wolf
- PE-Forceps 1.0 mm x 800 mm
- Cleaning Brush 1.5 mm x 1100 mm
- Sealing cap for working channel



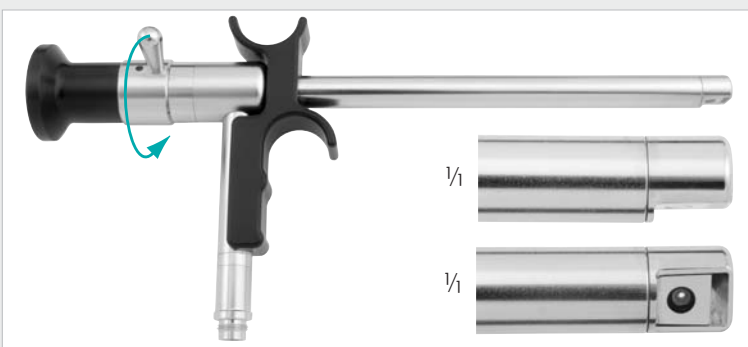
100-800-070 70°  
 100-800-090 90°  
 Laryngo-Pharyngoskop, autoklavierbar, Ø 11 mm, 190 mm  
 Laryngo-Pharyngoscope, autoclavable, Ø 11 mm, 7 ½ inch



100-808-070 70°  
 100-808-090 90°  
 Laryngo-Pharyngoskop, autoklavierbar, Ø 8 mm, 190 mm  
 Laryngo-Pharyngoscope, autoclavable, Ø 8 mm, 7 ½ inch



100-805-070 Ø 5 mm  
 100-806-070 Ø 6 mm  
 Zoom-Laryngo-Pharyngoskop, autoklavierbar, 70°, 190 mm  
 Zoom-Laryngo-Pharyngoscope, autoclavable, 70°, 7 ½ inch



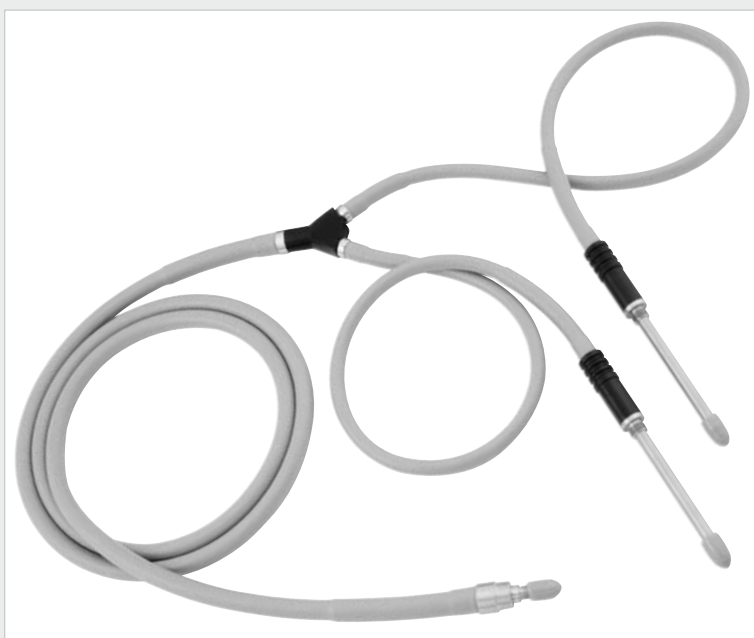
100-810-090  
 Zoom-Laryngo-Pharyngoskop, autoklavierbar, Ø 10 mm, 90°, 190 mm  
 Zoom-Laryngo-Pharyngoscope, autoclavable, Ø 10 mm, 90°, 7 ½ inch



250-035-180 Ø 3,5 mm, 1800 mm  
 250-035-230 Ø 3,5 mm, 2300 mm  
 250-035-300 Ø 3,5 mm, 3000 mm  
 250-048-180 Ø 4,8 mm, 1800 mm  
 250-048-230 Ø 4,8 mm, 2300 mm  
 250-048-300 Ø 4,8 mm, 3000 mm

**RZ**

Hochentwickeltes Xenon Lichtleiterkabel mit eingebautem Glasstab für hohe Temperaturwiderstandsfähigkeit  
 Advanced High Temperature Xenon Light cable with built-in glass rod



250-053-180 Ø 3,5 mm, 1800 mm  
 250-053-230 Ø 3,5 mm, 2300 mm  
 250-051-180 Ø 4,8 mm, 1800 mm  
 250-051-230 Ø 4,8 mm, 2300 mm

**RZ**

Kaltlichtleitkabel, mit 2 Lichteingängen und 1 Lichtausgang, ohne Adapter (Seite 30)  
 Cold light cable, with 2 light inputs and 1 light output, without adaptor pieces (page 30)



250-054-180 Ø 3,5 mm, 1800 mm  
 250-054-230 Ø 3,5 mm, 2300 mm  
 250-055-180 Ø 4,8 mm, 1800 mm  
 250-055-230 Ø 4,8 mm, 2300 mm

**RZ**

Kaltlichtleitkabel, mit 1 Lichteingang und 2 Lichtausgängen, ohne Adapter (Seite 30)  
 Cold light cable, with 1 light input and 2 light outputs, without adaptor pieces (page 30)

**Adapter für Lichtleitkabel zum Anschluß an das Teleskop**  
**Adaptor pieces for fibre light guide to use with telescope**



RZ/Storz/Olympus



250-042-000

Wolf



250-040-000

ACMI/British Standard



250-041-000

**Adapter für Lichtleitkabel zum Anschluß an die Lichtquelle**  
**Adaptor pieces for fibre light guide to use with lightsource**



RZ/Storz



250-039-000

ACMI/British Standard/CUDA



250-038-000

Luxtec



250-048-000

Stryker



250-051-000

Wolf



250-037-000

Olympus



250-044-000

Olympus - Standard



250-045-000

Heine



250-052-000

Pentax

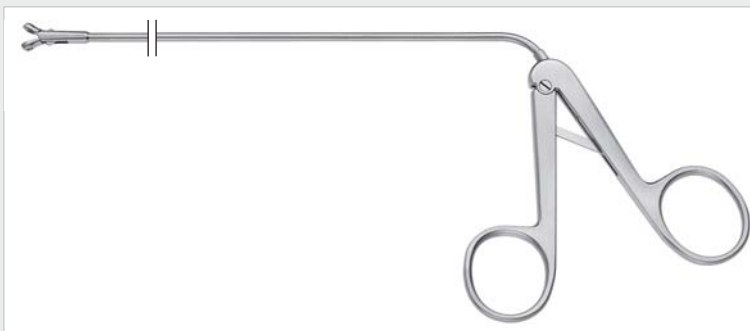


250-059-000

**Bestellbeispiel/Ordering Example:**

Lichtleitkabel, 4.8mm x 2300 mm für RZ-Teleskop und RZ-Lichtquelle = 250-048-230 + 250-039-000 + 250-042-000

Light guide, 4.8 mm x 2300 mm for RZ-Telescope and RZ-Lightsource = 250-048-230 + 250-039-000 + 250-042-000



100-700-030

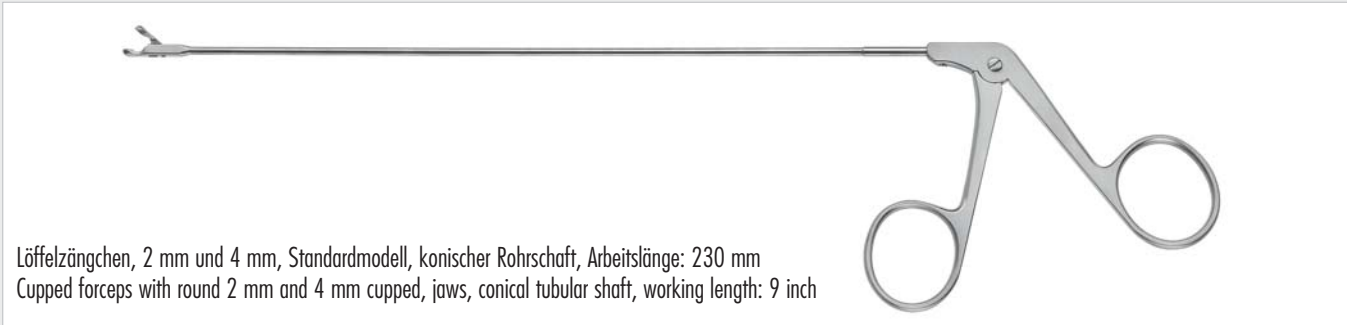
Laryngoskopie-Biopsiezange, schweres Modell, 5mm Löffelmaul, gerade, doppelbeweglich, 230mm

Laryngoscopic-Biopsyforceps heavy, with round 5mm cupped jaws, double action, 9 inch

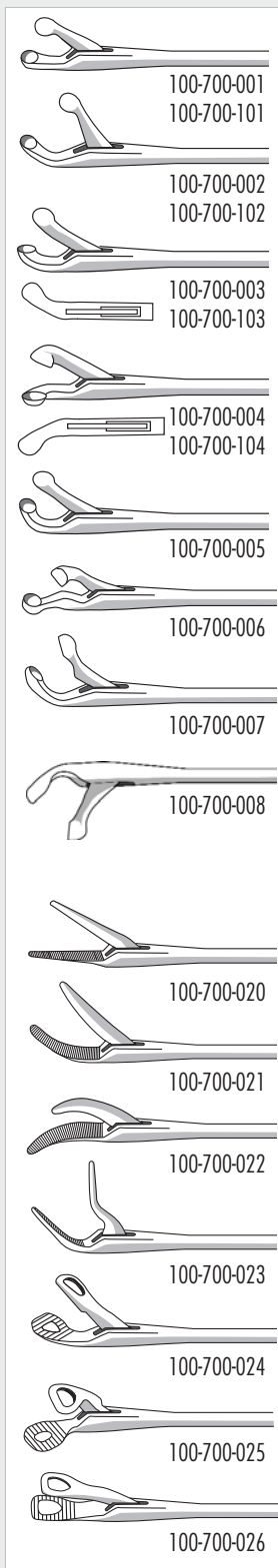
100-704-230

Laryngoskopie-Biopsiezange, schweres Modell, 3x4mm Löffelmaul, gerade, einfach beweglich, 230mm

Laryngoscopic-Biopsyforceps heavy, with 3x4mm cupped jaws, single action, 9 inch



Löffelzängchen, 2 mm und 4 mm, Standardmodell, konischer Rohrschaft, Arbeitslänge: 230 mm  
Cupped forceps with round 2 mm and 4 mm cupped, jaws, conical tubular shaft, working length: 9 inch



**2 mm**

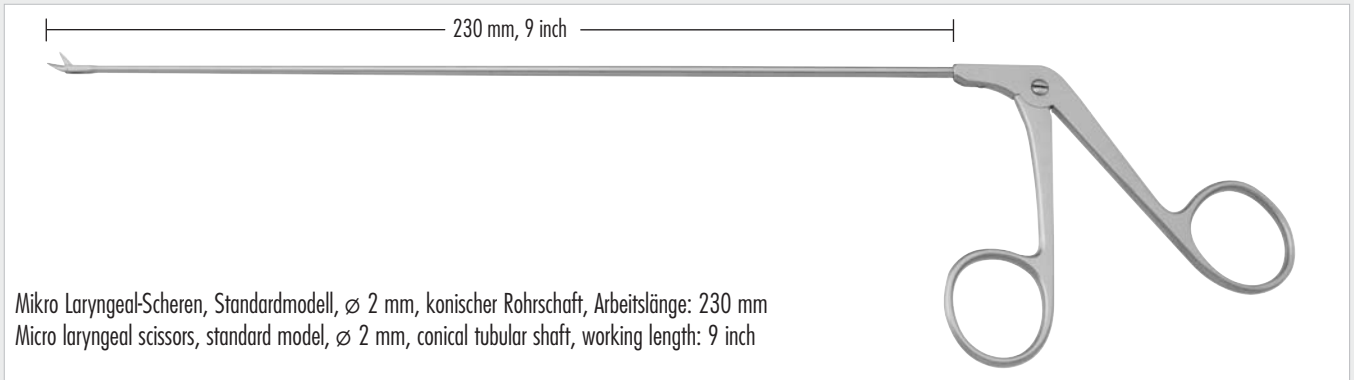
- 100-700-001 gerade/straight
- 100-700-002 aufgebogen/curved upwards
- 100-700-003 rechts gebogen/curved right
- 100-700-004 links gebogen/curved left
- 100-700-005 rechts aufgebogen/curved upwards right
- 100-700-006 links aufgebogen/curved upwards left
- 100-700-007 horizontal, nach rechts öffnend/horizontal curved right opening
- 100-700-008 horizontal, nach links öffnend/horizontal curved left opening

**4 mm**

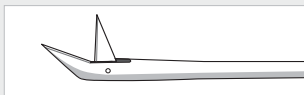
- 100-700-101 gerade, straight
- 100-700-102 aufgebogen/curved upwards
- 100-700-103 rechts gebogen/curved right
- 100-700-104 links gebogen/curved left

Faßzängchen, Standardmodell, konischer Rohrschaft 2 mm, Nutzlänge 230mm  
Alligator forceps, standard model, conical tubular shaft 2 mm, working length 9 inch

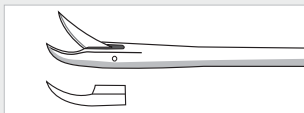
- 100-700-020 gerieft, gerade/serrated, straight
- 100-700-021 nach rechts gebogen/curved right
- 100-700-022 nach links gebogen/curved left
- 100-700-023 aufgebogen/curved upwards
- 100-700-024 mit dreieckigem Maul, nach rechts aufgebogen/with triangular jaws, curved upwards right
- 100-700-025 mit dreieckigem Maul, nach links aufgebogen/with triangular jaws, curved upwards left
- 100-700-026 mit dreieckigem Maul, gerade/with triangular jaws, straight



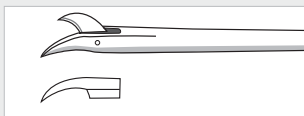
100-700-050 gerade/straight



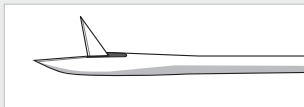
100-700-051 45° aufgebogen/upcurved



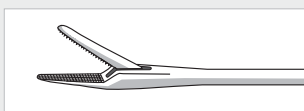
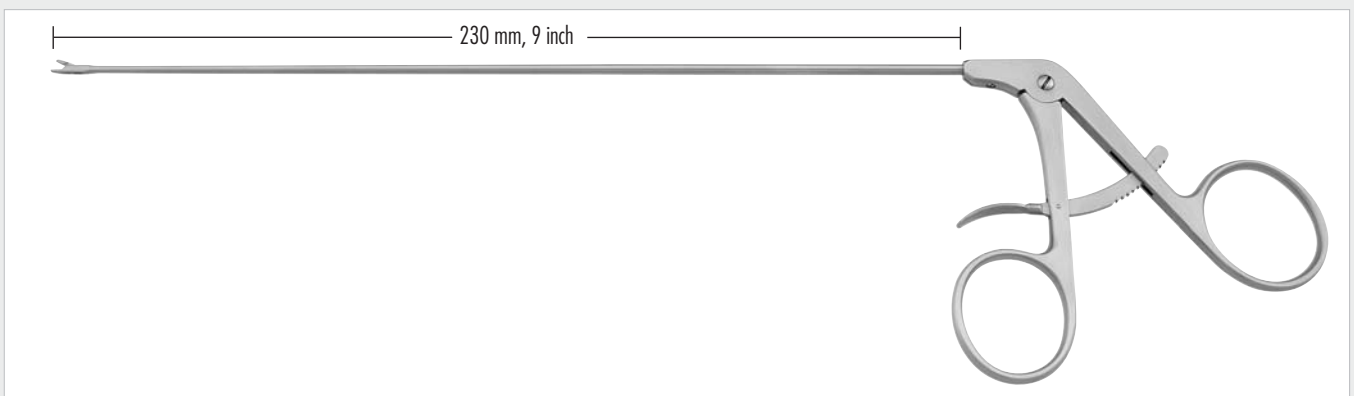
100-700-052 rechts gebogen/curved right



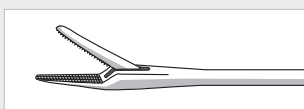
100-700-053 links gebogen/curved left



100-700-054 gerade, horizontal schneidend/straight, horizontal cutting



100-700-200 Nadelhalter mit Sperre, konischer Rohrschaft, Nutzlänge 230 mm  
Needle holder with ratchet, conical tubular shaft, working length 9 inch



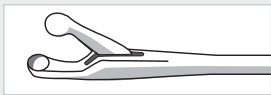
100-700-210 Nadelhalter mit Sperre, konischer Rohrschaft, mit Hartmetalleinlagen, Nutzlänge 230 mm  
Needle holder with ratchet, conical tubular shaft, with TC insert, working length 9 inch



Löffelzängchen/Cupped Forceps



100-712-001 2 mm, gerade/straight



100-712-002 3 mm, gerade/straight

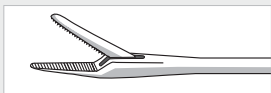


100-712-003 2 mm, aufgebogen/curved upwards



100-712-004 3 mm, aufgebogen/curved upwards

Alligator Zange, gerieft/Alligator Forceps, serrated

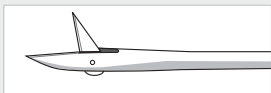


100-712-005 gerade/straight

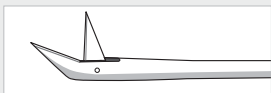


100-712-013 aufgebogen/curved upwards

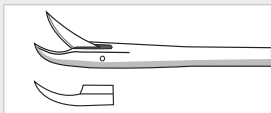
Schere/Scissors



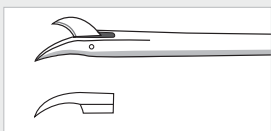
100-712-006 gerade/straight



100-712-007 45° abgewinkelt/45° angled



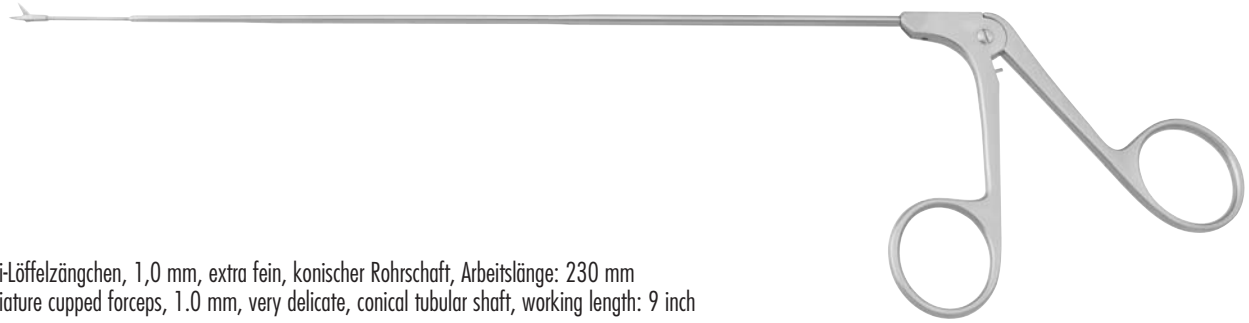
100-712-008 rechts gebogen/curved right



100-712-009 links gebogen/curved left



230 mm, 9 inch



Mini-Löffelzängchen, 1,0 mm, extra fein, konischer Rohrschaft, Arbeitslänge: 230 mm  
Miniature cupped forceps, 1.0 mm, very delicate, conical tubular shaft, working length: 9 inch



100-710-001 gerade/straight



100-710-002 aufgebogen/curved upwards



100-710-003 nach rechts gebogen/curved right



100-710-004 nach links gebogen/curved left



100-710-005 nach rechts aufgebogen/curved upwards right



100-710-006 nach links aufgebogen/curved upwards left

Mini-Faßzängchen, gerieft, extra fein, konischer Rohrschaft, Arbeitslänge: 230 mm  
Miniature forceps, serrated, very delicate, conical tubular shaft, working length: 9 inch



100-710-020 gerade/straight



100-710-021 nach rechts gebogen/curved right



100-710-022 nach links gebogen/curved left

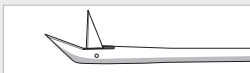


100-710-023 aufgebogen/curved upwards

Mini-Scherchen, extra fein, konischer Rohrschaft, Nutzlänge 230 mm  
Miniature Scissors, very delicate, conical tubular shaft, working length 9 inch



100-710-050 gerade/straight



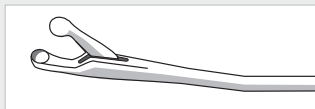
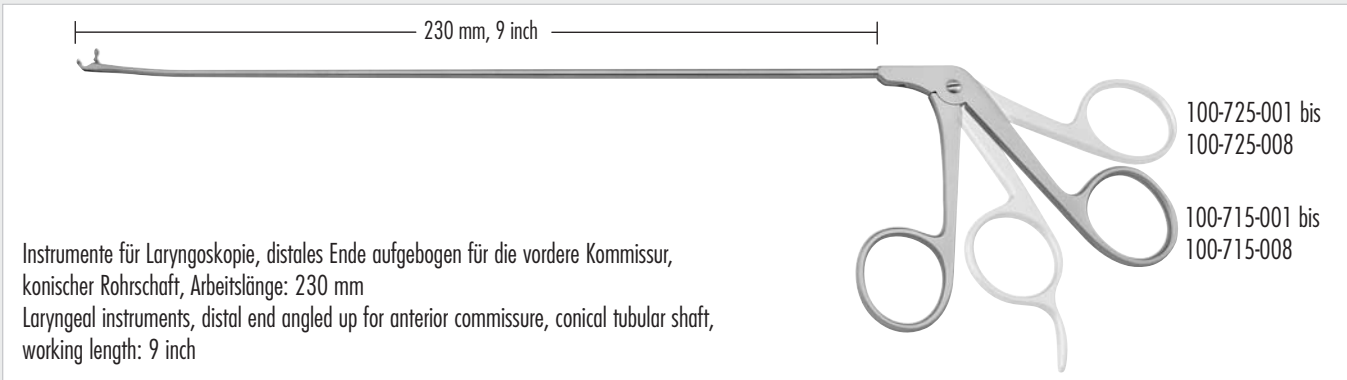
100-710-051 45° aufgebogen/angled 45°



100-710-052 nach rechts gebogen/curved right

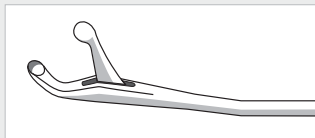


100-710-053 nach links gebogen/curved left

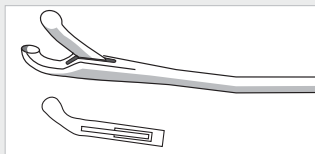


Löffelzängchen/cupped forceps,  $\varnothing$  2.0 mm

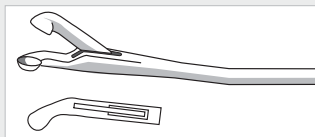
100-715-001 gerade/straight  
100-725-001 gerade, Daumenkontrolle/straight, thumb control



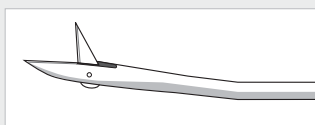
100-715-002 aufgebogen/curved upwards  
100-725-002 aufgebogen, Daumenkontrolle/curved upwards, thumb control



100-715-003 nach rechts gebogen/curved right  
100-725-003 nach rechts gebogen, Daumenkontrolle/curved right, thumb control



100-715-004 nach links gebogen/curved left  
100-725-004 nach links gebogen, Daumenkontrolle/curved left, thumb control

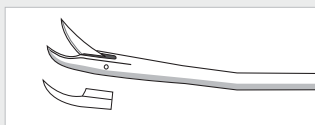


Schere/Scissors

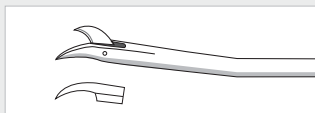
100-715-005 gerade/straight  
100-725-005 gerade, Daumenkontrolle/straight, thumb control



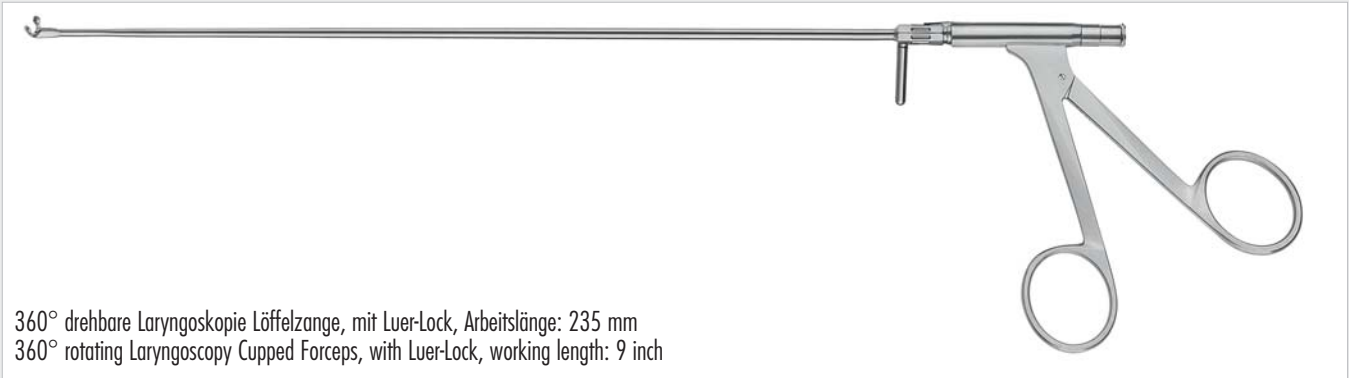
100-715-006 45° aufgebogen/45° angled upwards  
100-725-006 45° aufgebogen, Daumenkontrolle/45° angled upwards, thumb control



100-715-007 nach rechts gebogen/curved right  
100-725-007 nach rechts gebogen, Daumenkontrolle/curved right, thumb control



100-715-008 nach links gebogen/curved left  
100-725-008 nach links gebogen, Daumenkontrolle/curved left, thumb control



360° drehbare Laryngoskopie Löffelzange, mit Luer-Lock, Arbeitslänge: 235 mm  
 360° rotating Laryngoscopy Cupped Forceps, with Luer-Lock, working length: 9 inch



100-700-501 2mm  
gerade/straight

100-700-511 1mm  
gerade/straight



100-700-502 2mm  
aufgebogen/curved upwards

100-700-512 1mm  
aufgebogen/curved upwards



100-700-503 2mm  
rechts gebogen/curved right

100-700-513 1mm  
rechts gebogen/curved right



100-700-504 2mm  
links gebogen/curved left

100-700-514 1mm  
links gebogen/curved left

360° drehbare Laryngoskopie Fasszange, mit Luer-Lock, Arbeitslänge: 235 mm  
 360° rotating Laryngoscopy Grasping Forceps, with Luer-Lock, working length: 9 inch



100-700-520  
gerade/straight



100-700-523  
aufgebogen/curved upwards



100-700-521  
rechts gebogen/curved right



100-700-524  
aufgebogen/curved upwards



100-700-522  
links gebogen/curved left

360° drehbare Laryngoskopie Schere, mit Luer-Lock, Arbeitslänge: 235 mm  
 360° rotating Laryngoscopy Scissors, with Luer-Lock, working length: 9 inch



100-700-550  
gerade/straight



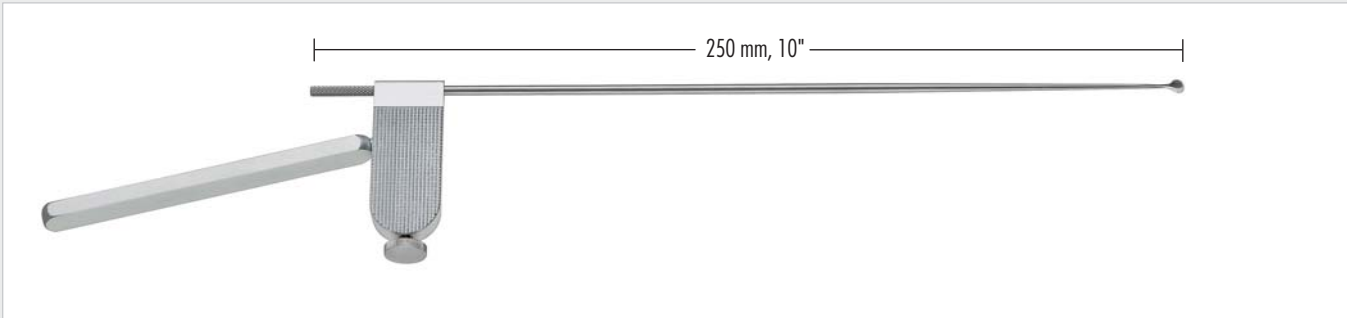
100-700-551  
aufgebogen/curved upwards



100-700-552  
rechts gebogen/curved right



100-700-553  
links gebogen/curved left



100-850-001 - 100-850-012

Instrumente zur endolaryngealen Mikrochirurgie, Gesamtlänge: 250 mm

Laryngeal Instruments for Microsurgery, total length: 10"



100-850-000

Handgriff, alleine  
Handle, only



100-850-001

Messer, rund,  $\varnothing$  2,5 mm, 45° abgewinkelt  
Knife, round,  $\varnothing$  2.5 mm, 45° angled



100-850-002

Messer, rund, vertikal schneidend  
Knife, round, vertical cutting



100-850-003

Messer, oval, gerade  
Knife, oval, straight



100-850-004

Messer, sichelförmig  
Knife, sickle shaped



100-850-005

Messer, golfstockförmig  
Knife, golfstick shaped



100-850-006

Häkchen, stumpf, mit Sondenknopf  
Hook, blunt, with probe end



100-850-007

Häkchen, scharf  
Hook, sharp



100-850-008

Unterbindungsnaedel, nach rechts gebogen  
Ligature Needle, curved to right



100-850-009

Unterbindungsnaedel, nach links gebogen  
Ligature Needle, curved to left



100-850-010

Saugelevator  
Elevator with suction channel



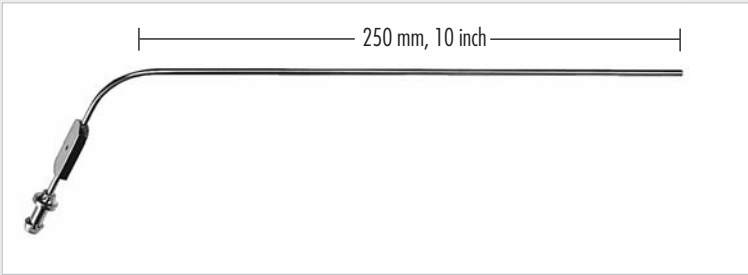
100-850-011

Knotenführer  
Knot guide

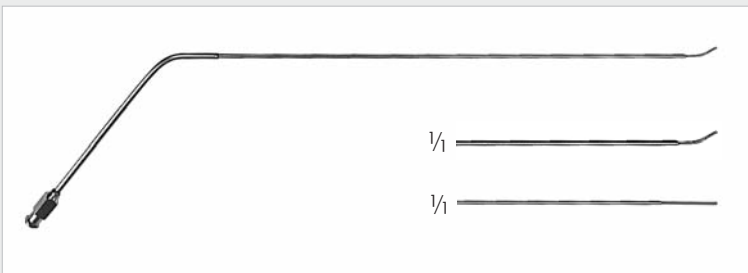


100-850-012

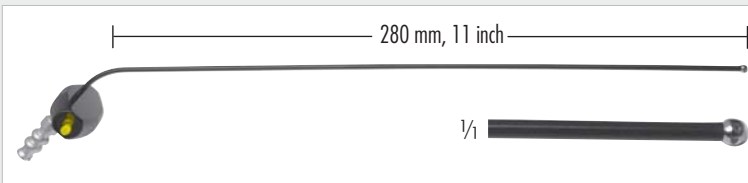
Häkchen, 90°, mit Sondenknopf  
Hook with probe end, 90° angled



100-860-020 ø 2.0 mm  
 100-860-025 ø 2.5 mm  
 100-860-030 ø 3.0 mm  
 Saugrohr, Arbeitslänge: 250 mm  
 Suction tube, working length: 10 inch



100-861-001 gebogene Spitze/curved tip  
 100-861-002 gerade Spitze/straight tip  
 Injektionsnadel, mit Luer-Lock  
 Injection needle, with Luer-Lock



100-862-030 2,5 mm, 280 mm, 11 inch  
 100-864-030 5,0 mm, 270 mm, 10 1/2 inch  
 Saug- und Koagulationsrohr, **isoliert**, mit monopolarem Anschluß, abgewinkelt  
 Insulated cannula for suction and coagulation, **insulated**, with monopolar connection, angled



100-870-000 Fig. 0, für Kinder/ for children  
 100-870-001 Fig. 1  
 100-870-002 Fig. 2  
 100-870-003 Fig. 3  
 Zahnschutz aus Metall  
 Teeth protector, metal



100-870-100  
 Zahnschutz aus Silikon, autoklavierbar  
 Teeth protector, silicone, autoclavable

## BIPOLAR CABLES



2-banana-pin



Erbe



Martin, Berchtold,  
Aesculap GK55 + sGK60



Valleylab, Lamidey, EMC



3m	700-350-030	700-101-001	700-287-030	700-351-031
5m	700-350-050	700-101-000	700-287-050	700-351-051

3m	700-350-130	700-101-130	700-287-130	700-351-131
5m	700-350-150	700-101-150	700-287-150	700-351-151

## MONOPOLAR CABLES



1 banana pin 4mm



Martin, Berchtold,  
Aesculap GK55 + sGK60



Erbe

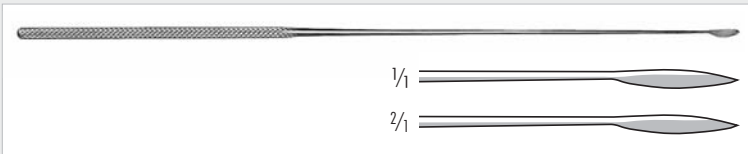


Valleylab, Lamidey, EMC



round-plug 4mm (instrument side)

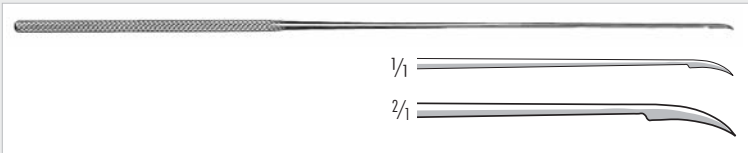
3m	700-280-030	700-285-030	700-101-030	700-360-031
5m	700-280-050	700-285-050	700-101-050	700-360-051



100-853-295

**JAKO-TYPE**

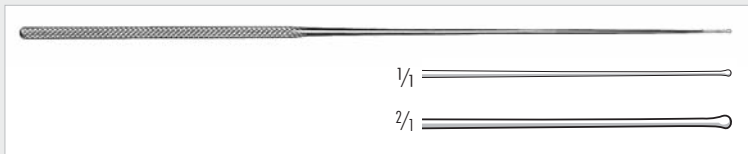
Laryngeal Messer, gerades Blatt, Klingenlänge: 8 mm, 295 mm  
Laryngeal knife, straight blade, blade length: 8 mm, 11 3/4 inch



100-854-295

**JAKO-TYPE**

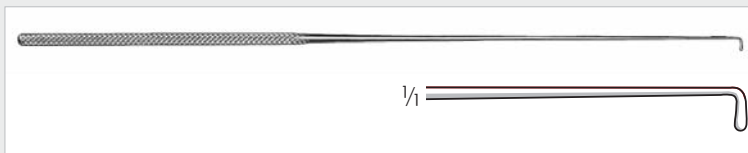
Laryngeal Sichelmesser, Klingenlänge: 8 mm, 295 mm  
Laryngeal sickle knife, blade length: 8 mm, 11 3/4 inch



100-855-300

**JAKO-TYPE**

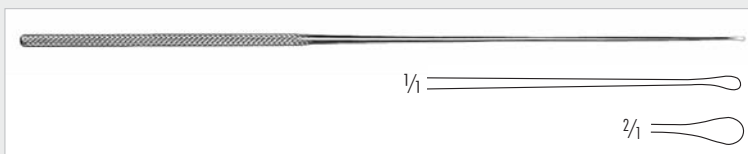
Laryngeal Sonde, gerade, Arbeitslänge: 220 mm, 295 mm  
Laryngeal probe, straight, working length: 8 1/2 inch, 11 3/4 inch



100-856-300

**JAKO-TYPE**

Laryngeal Sonde, 90° abgewinkelt, Arbeitslänge: 220 mm, 295 mm  
Laryngeal probe, 90° angled, working length: 8 1/2 inch, 11 3/4 inch



100-857-300

**JAKO-TYPE**

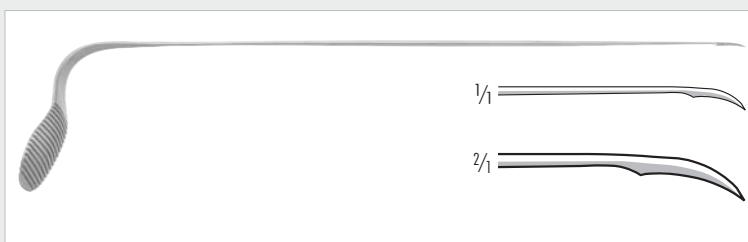
Mikro Dissektor, stumpf, 4 mm breit, Gesamtlänge: 295 mm  
Micro dissector, blunt, 4 mm wide, 11 3/4 inch



100-858-300

**JAKO-TYPE**

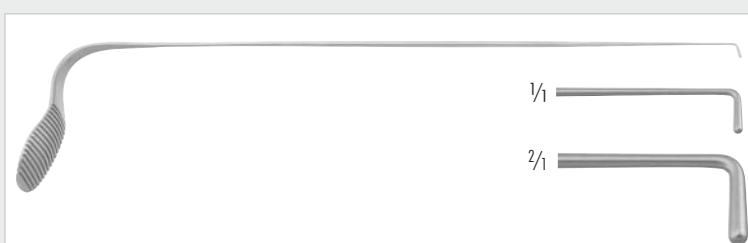
Skalpellgriff für Skalpellklingen Fig. 10,11,12 und 15, 190 mm  
Scalpel handle for scalpel blades Fig. No.10,11,12, and 15, 7 1/2 inch



100-859-300

**JAKO-TYPE**

Mikro Sichelmesser mit Daumengriff, Klingenlänge: 8 mm, 295 mm  
Micro sickle knife with thumbhandle, blade length: 8 mm, 11 3/4 inch



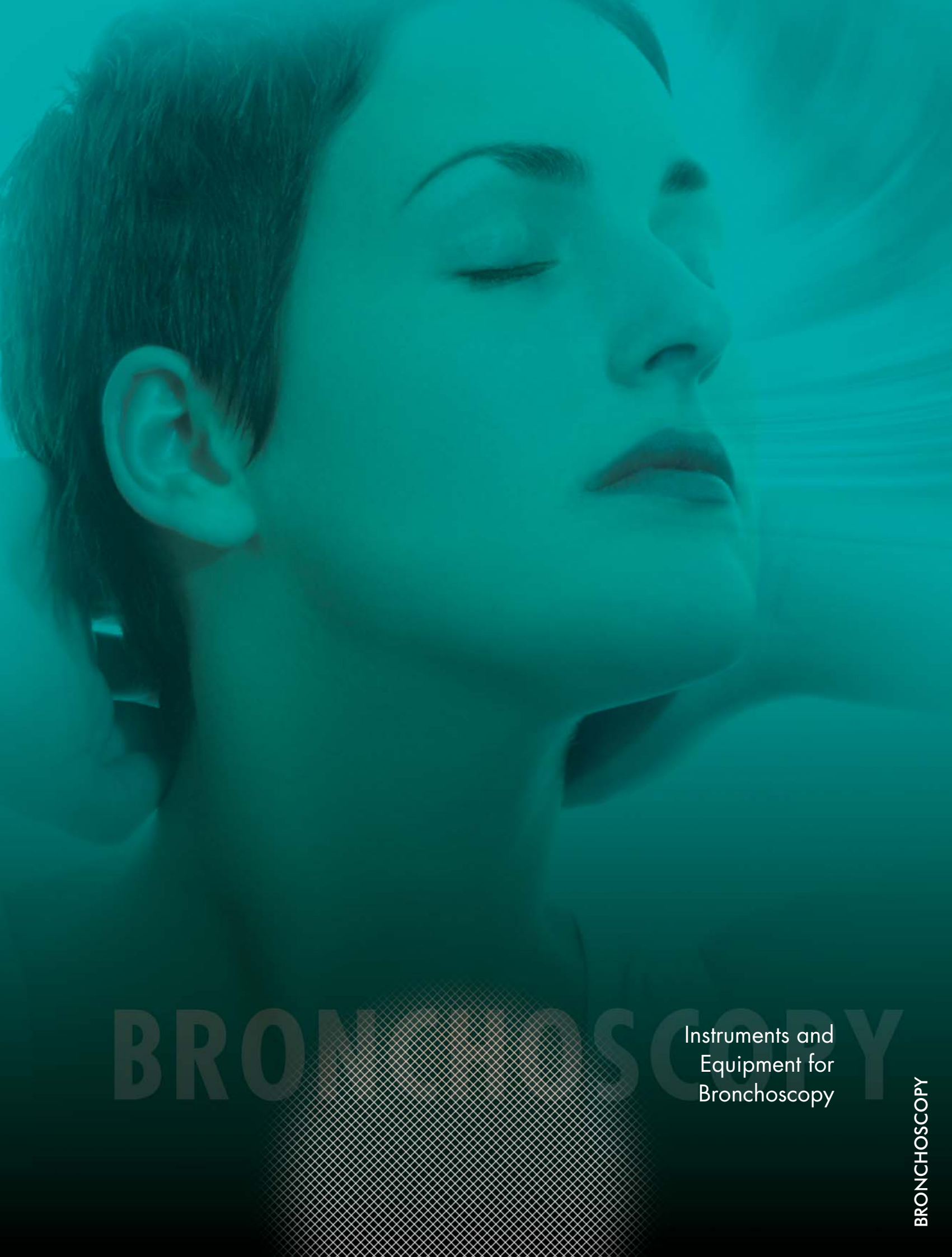
100-860-300

**JAKO-TYPE**

Mikro Laryngeal Haken mit Daumengriff, 90° abgewinkelt, 4 mm lang, 295 mm  
Micro laryngeal probe with thumbhandle, 90° angled, 4 mm long, 11 3/4 inch



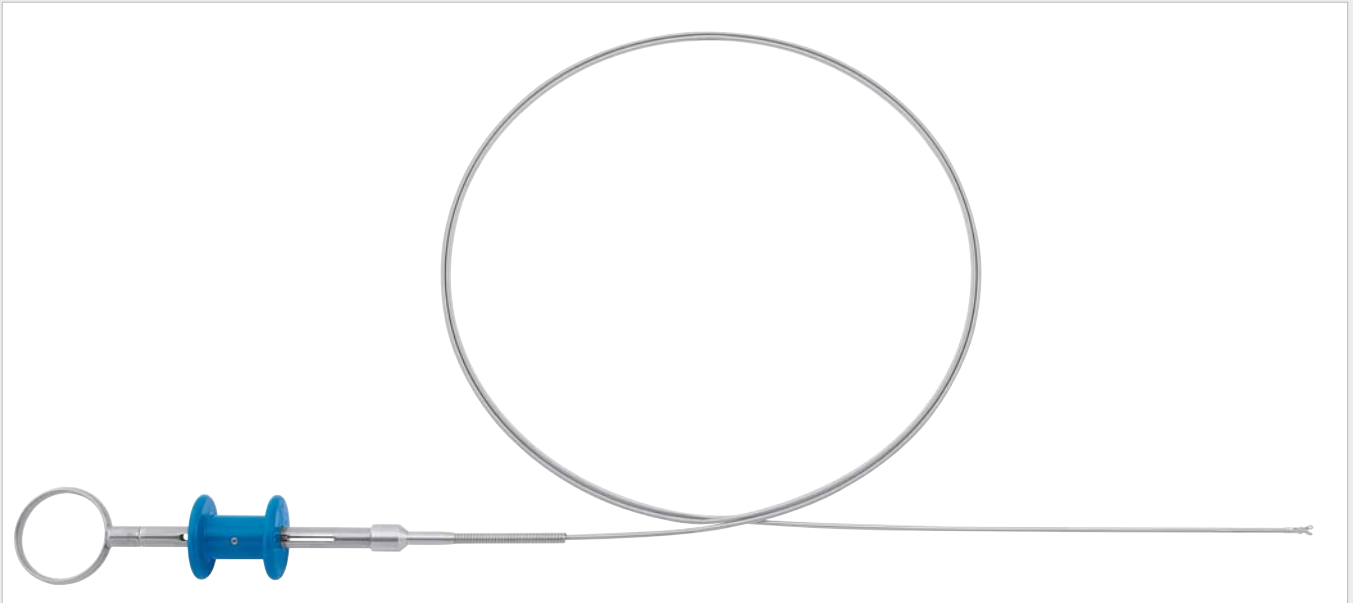




# BRONCHOSCOPY

Instruments and  
Equipment for  
Bronchoscopy

BRONCHOSCOPY

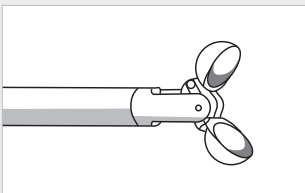


100-518-090 - 100-723-090

Flexible Biopsie- und Faßzangen, für flexible Endoskope, doppelbewegliche Maulteile, voll sterilisierbar

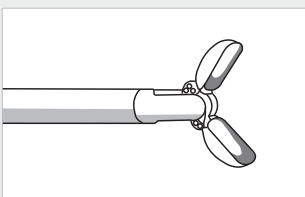
Flexible Biopsy- and Grasping forceps, for flexible Endoscopes, double-action jaws, totally autoclavable

Biopsiezange, runder Löffel/Biopsy forceps, round cup



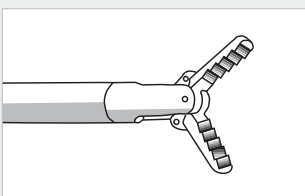
100-501-075	750 mm, 1,0 mm ø
100-518-090	900 mm, 1,8 mm ø
100-523-090	900 mm, 2,3 mm ø
100-518-120	1200 mm, 1,8 mm ø
100-523-120	1200 mm, 2,3 mm ø

Biopsiezange, ovaler Löffel/Biopsy forceps, oval cup

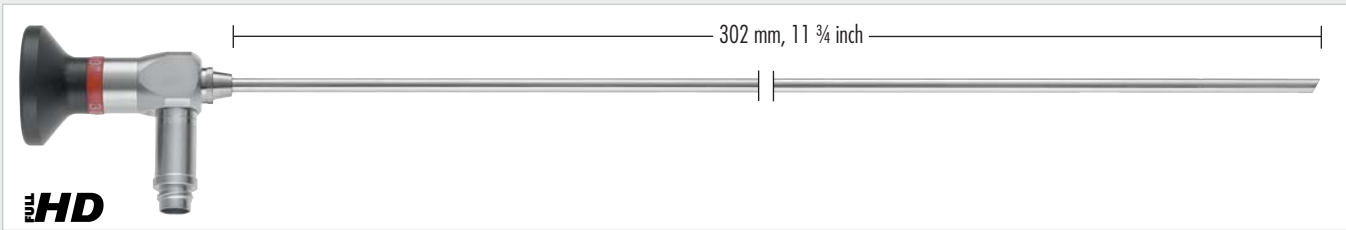


100-601-075	750 mm, 1,0 mm ø
100-618-090	900 mm, 1,8 mm ø
100-623-090	900 mm, 2,3 mm ø
100-618-120	1200 mm, 1,8 mm ø
100-623-120	1200 mm, 2,3 mm ø

Faßzange mit Hechtmaul/Alligator grasping forceps



100-701-075	750 mm, 1,0 mm ø
100-718-090	900 mm, 1,8 mm ø
100-723-090	900 mm, 2,3 mm ø
100-718-120	1200 mm, 1,8 mm ø
100-723-120	1200 mm, 2,3 mm ø



100-604-000

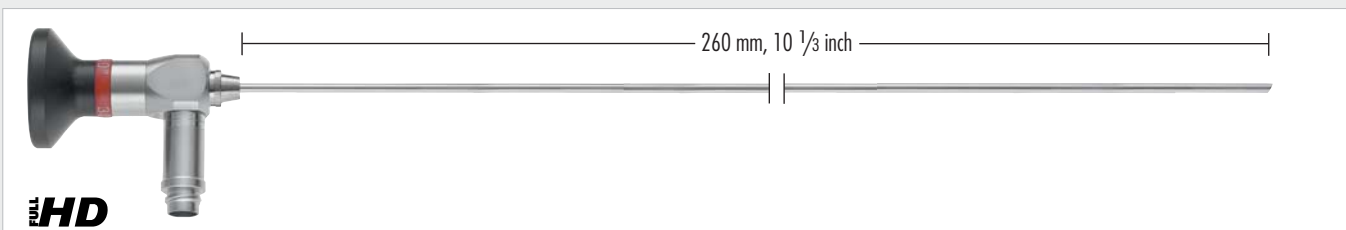
Bronchoskop, starr, 0°, ø 4 mm, autoklavierbar, Nutzlänge 302 mm

Bronchoscope, rigid, 0°, ø 4 mm, autoclavable, working length 11 3/4 inch

100-604-030

Bronchoskop, starr, 30°, 4 mm ø, autoklavierbar, Nutzlänge 302 mm

Bronchoscope, rigid, 30°, 4 mm ø, autoclavable, working length 11 3/4 inch



100-627-000

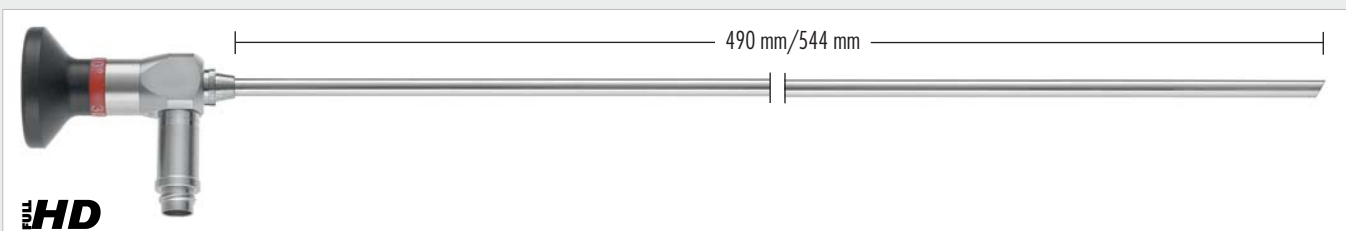
Bronchoskop, starr, 0°, ø 2,7 mm, autoklavierbar, Nutzlänge 260 mm

Bronchoscope, rigid, 0°, ø 2.7 mm, autoclavable, working length 10 1/3 inch

100-627-030

Bronchoskop, starr, 30°, ø 2,7 mm, autoklavierbar, Nutzlänge 260 mm

Bronchoscope, rigid, 30°, ø 2.7 mm, autoclavable, working length 10 1/3 inch



100-655-000 Nutzlänge 490 mm/working length 19 1/3 inch

100-655-100 Nutzlänge 544 mm/working length 21 1/3 inch

Bronchoskop, starr, 0°, ø 5,5 mm, autoklavierbar

Bronchoscope, rigid, 0°, ø 5.5 mm, autoclavable

100-655-030 Nutzlänge 490 mm/working length 19 1/3 inch

100-655-130 Nutzlänge 544 mm/working length 21 1/3 inch

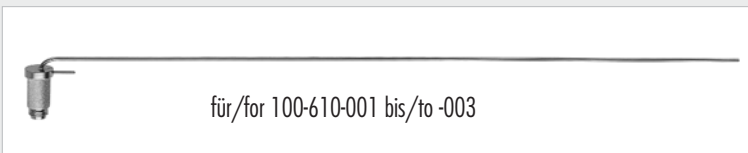
Bronchoskop, starr, 30°, ø 5,5 mm, autoklavierbar

Bronchoscope, rigid, 30°, ø 5.5 mm, autoclavable

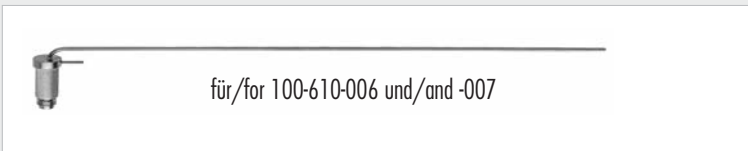


100-610-001	Erwachsene/adult 400 mm/15 3/4 inch	Ø 10 mm
100-610-002	Erwachsene, klein/adult, small 400 mm/15 3/4 inch	Ø 9.0 mm
100-610-003	Jugendliche/adolescent 400 mm/15 3/4 inch	Ø 8.0 mm
100-610-006	Kinder/children 300 mm/11 3/4 inch	Ø 7.0 mm
100-610-007	Kinder/children 300 mm/11 3/4 inch	Ø 6.5 mm
100-610-008	Kleinkinder/little children 275 mm/10 3/4 inch	Ø 5.4 mm
100-610-009	Säugling/Baby 275 mm/10 3/4 inch	Ø 4.1 mm
100-610-013	Säugling, Messing/Brass, Baby 275 mm/10 3/4 inch	Ø 3.7 mm
100-610-014	Säugling, Messing/Brass, Baby 180 mm/7 inch	Ø 3.7 mm

**NEGUS**  
Bronchoskop, rostfreier Stahl  
Bronchoscope, stainless steel



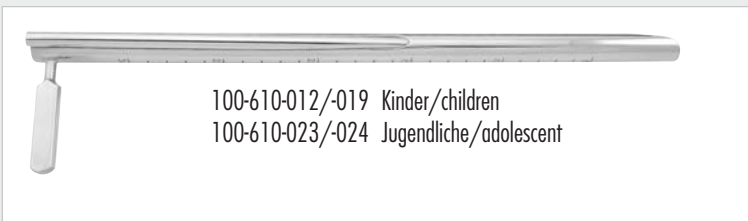
100-610-025  
**NEGUS**  
Kaltlichtträger für Bronchoskope, 400 mm  
Fibre optic light carrier for bronchoscope, 15 3/4 inch



100-610-026  
**NEGUS**  
Kaltlichtträger für Bronchoskope, 300 mm  
Fibre optic light carrier for bronchoscope, 12 inch



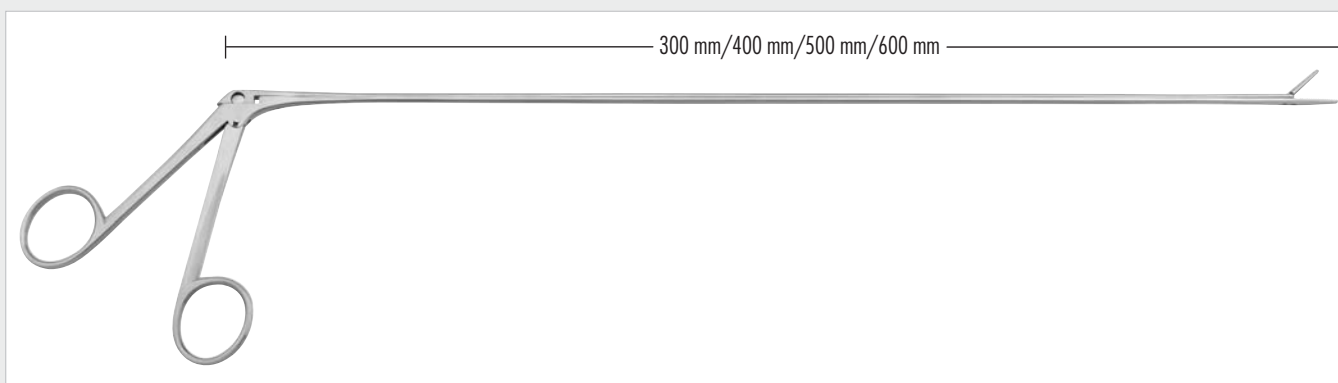
100-610-010 15,6 x 17,6 mm, 450 mm/17 3/4 inch  
100-610-011 13.6 x 15.6 mm, 350 mm/13 3/4 inch  
100-610-027 11.6 x 13.6 mm, 450 mm/17 3/4 inch  
**NEGUS**  
Oesophagoskop, Erwachsene, rostfreier Stahl,  
Oesophagoscope, adult, stainless steel



100-610-012 8.0 x 10 mm, 350 mm/13 3/4 inch  
100-610-019 8.0 x 10 mm, 250 mm/10 inch  
100-610-023 9.6 x 11.6 mm, 350 mm/13 3/4 inch  
100-610-024 9.6 x 11.6 mm, 250 mm/10 inch  
**NEGUS**  
Oesophagoskop, Kinder, rostfreier Stahl  
Oesophagoscope, children, stainless steel

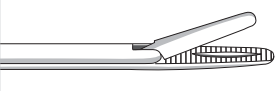
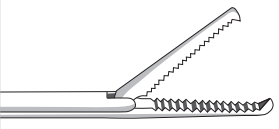
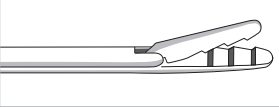
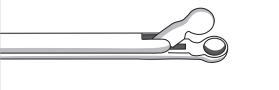
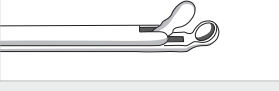
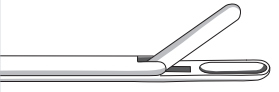
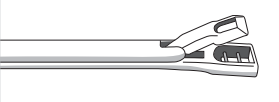
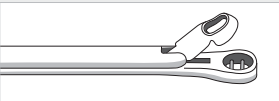


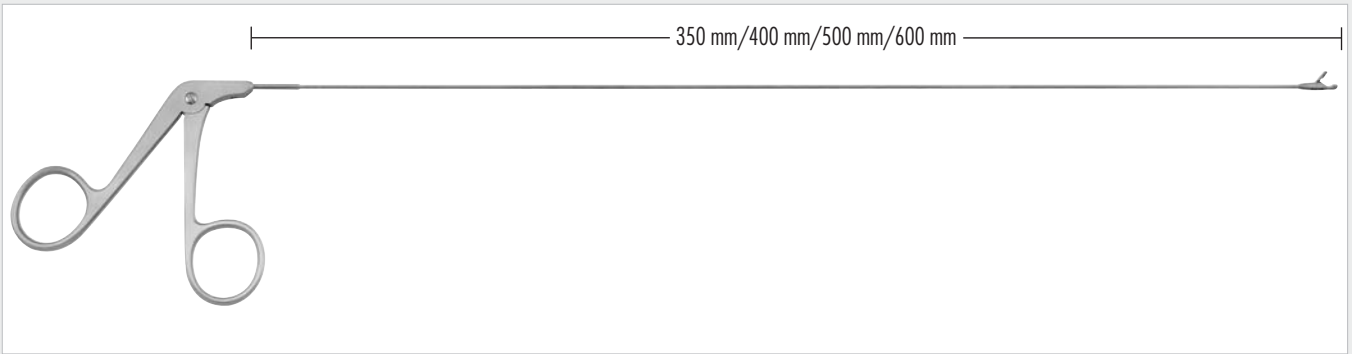
100-610-020 Erwachsene/adult  
100-610-021 Erwachsene, kurz/adult, short  
100-610-022 Kinder/children  
Kaltlichtträger, beidseitig, für Oeseophagoskop, 65 mm  
Fibre optic light carrier, for use with oesophagoscope, 2 1/2 inch



### JACKSON

Broncho-Oesophagoskopie-Zangen und Biopsiezangen mit **Schieberschaft**, obere Maulteile beweglich  
 Broncho-oesophagoscopic forceps and Biopsy forceps with **sliding-shaft**, upper jaws moveable

		Schaftlänge/shaft-length			
		300 mm/12 inch	400 mm/15 ¾ inch	500 mm/19 ½ inch	600 mm/23 ½ inch
	gerieft/ serrated	100-750-301	100-750-401	100-750-501	100-750-601
	1x2 Zähne 1x2 teeth	100-750-302	100-750-402	100-750-502	100-750-602
	Alligator Zähne Alligator teeth	100-750-303	100-750-403	100-750-503	100-750-603
	Löffelmaul gerade Cupped jaws, straight	∅ 2 mm 100-750-304 ∅ 4 mm 100-750-305	100-750-404 100-750-405	100-750-504 100-750-505	100-750-604 100-750-605
	Löffelmaul aufgebogen Cupped jaws, upcurved	∅ 2 mm 100-750-306 ∅ 4 mm 100-750-307	100-750-406 100-750-407	100-750-506 100-750-507	100-750-606 100-750-607
	Löffelmaul, länglich, gerade Löffelmaul, oblong, straight	100-750-308	100-750-408	100-750-508	100-750-608
	Stanzenmaul, eckig Punch jaw, angular	100-750-309	100-750-409	100-750-509	100-750-609
	Stanzenmaul, rund Punch jaw, round	100-750-310	100-750-410	100-750-510	100-750-610



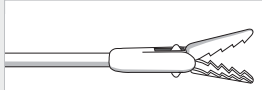
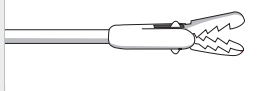
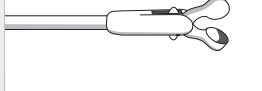
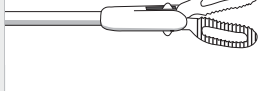




Laryngo-Broncho-Oesophagoskopiezangen, mit **Rohrschaft**  
Broncho-Oesophagoscopic forceps, with **tubular shaft**

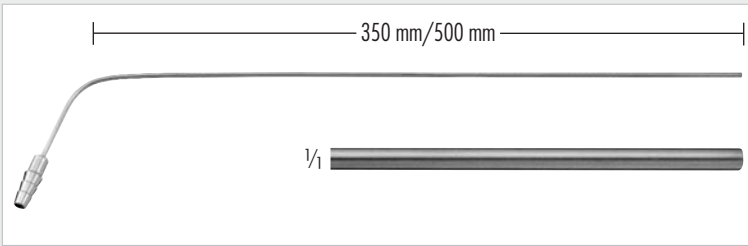
	Schaftlänge/shaft-length	Schaftstärke/shaft ø 2.5 mm			Kinder/children ø 1.5 mm
		400 mm/15 ¾ inch	500 mm/19 ½ inch	600 mm/23 ½ inch	350 mm/13 ¾ inch
	Stanzmaul/Punch jaw	100-720-401	100-720-501	100-720-601	100-720-301
	Fasszange, gerieft Grasping Forceps, serrated	100-720-402	100-720-502	100-720-602	100-720-302
	Fasszange, gerieft, gefenestert Grasping Forceps, serrated, fenestrated	100-720-403	100-720-503	100-720-603	100-720-303
	Alligator Zähne Alligator teeth	100-720-404	100-720-504	100-720-604	100-720-304
	Löffelmaul, gerade Cupped Forceps, straight	100-720-405	100-720-505	100-720-605	100-720-305
	Löffelmaul, horizontal aufgebogen Cupped Forceps, horizontal upcurved	100-720-406	100-720-506	100-720-606	100-720-306
	Löffelmaul, vertikal aufgebogen Cupped Forceps, vertical upcurved	100-720-407	100-720-507	100-720-607	100-720-307
	Löffelmaul, rechts gebogen Cupped Forceps, right curved	100-720-408	100-720-508	100-720-608	100-720-308
	Löffelmaul, links gebogen Cupped Forceps, left curved	100-720-409	100-720-509	100-720-609	100-720-309
	Löffelmaul, länglich, gerade Cupped Forceps, oblong, straight	100-720-410	100-720-510	100-720-610	100-720-310
	Löffelmaul, oval, gerade Cupped Forceps, oval, straight	100-720-411	100-720-511	100-720-611	100-720-311
	Löffelmaul, oval, gerade Cupped Forceps, oval, straight	100-720-412	100-720-512	100-720-612	100-720-312
	Löffelmaul, oval, gezahnt gerade Cupped Forceps, oval, serrated, straight	100-720-413	100-720-513	100-720-613	100-720-313



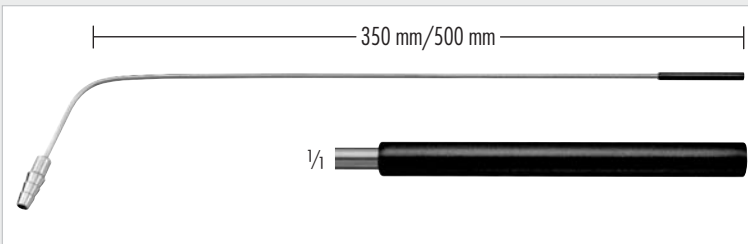
100-720-001 - 100-720-034

Bronchoskopiezangen, **Rohrschaft**, beide Maulteile beweglich  
Bronchoscopy forceps, **tubular shaft**, double-action jaws

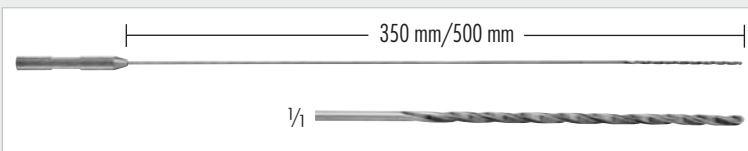
	Schaft Ø/shaft Ø		Schaftlänge/shaft-length	
		250 mm/10 inch	350 mm/13 ¾ inch	500 mm/19 ¾ inch
 <p>Fremdkörperzange mit Hechtmaul Foreign body forceps alligator jaws</p>	2,0 mm	100-720-001	100-720-011	—
 <p>Universal Biopsie- und Faßzange Universal biopsy and grasping forceps</p>	2,0 mm	100-720-002	100-720-012	—
 <p>Löffelzange, rund, gerade Biopsy cup forceps, straight, round cup</p>	2,0 mm	100-720-003	100-720-013	—
 <p>Faßzange mit gefensterter Maul Grasping forceps with fenestrated jaws</p>	2,0 mm	100-720-004	100-720-014	—
 <p>Fremdkörperzange mit Hechtmaul Foreign body forceps alligator jaws</p>	2,5 mm	—	100-720-021	100-720-031
 <p>Universal Biopsie- und Faßzange Universal biopsy and grasping forceps</p>	2,5 mm	—	100-720-022	100-720-032
 <p>Löffelzange, rund, gerade Biopsy cup forceps, straight, round cup</p>	2,5 mm	—	100-720-023	100-720-033
 <p>Faßzange mit gefensterter Maul Grasping forceps with fenestrated jaws</p>	2,5 mm	—	100-720-024	100-720-034



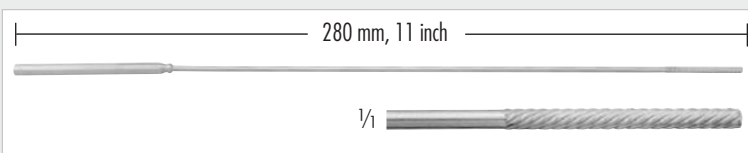
**100-850-350**  
Saugrohr, 350 mm lang  
Rigid suction tube, 13 3/4 inch long



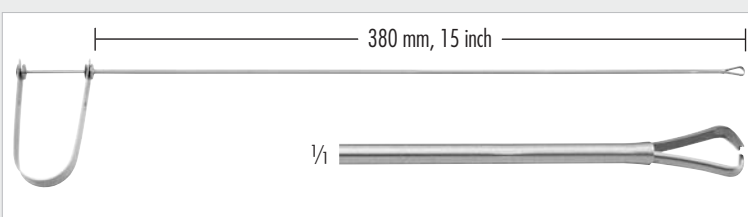
**100-852-350**  
Saugrohr, mit flexibler Gummispitze, 350 mm lang  
Rigid suction tube, with flexible rubber tip, 13 3/4 inch long



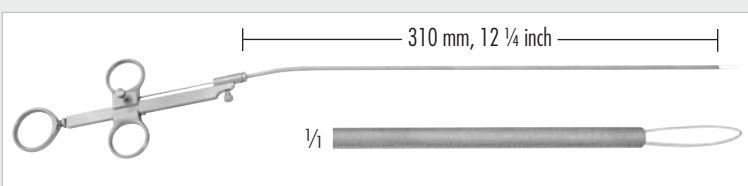
**100-854-350**  
Watteträger, Nutzlänge 350 mm  
Cotton carrier, working length 13 3/4 inch



**100-854-500**  
Watteträger, Nutzlänge 500 mm  
Cotton carrier, working length 19 3/4 inch



**100-856-380**  
Tupferhalter, 1 x 2 Zähne, Arbeitslänge: 380 mm  
Sponge holder, 1 x 2 treeth, working length: 15 inch



**100-868-100**  
**FRANKENFELD**  
Laryngeal-Schnürer, Arbeitslänge: 310 mm  
Laryngeal-snare, working length: 12 1/4 inch



**100-868-101**  
Schnürerdraht, Bestelleinheit: PH=Packung á 100 Stück  
Snare-wire, Sales unit: PH=Package of 100 pieces



**HUBER Griff/Handle 100-754-000**

Zugstange, gebogen/Rod, curved	
100-754-021	200 mm/7 ¾ inch
100-754-031	300 mm/11 ¾ inch
100-754-041	400 mm/15 ¾ inch

Zugstange, gerade/Rod, straight	
100-754-020	200 mm/7 ¾ inch
100-754-030	300 mm/11 ¾ inch
100-754-040	400 mm/15 ¾ inch

Aufsätze/Jaw tip

**BARICANI**  
100-754-016 Faßzange/Grasping Forceps

**LANGE** Löffelzange/Cupped Forceps  
100-754-009 Size 1  
100-754-018 Size 2  
100-754-005 Size 3

100-754-003 Faßzange mit Alligator Zähnen  
Grasping Forceps with alligator teeth

**FRAENKEL**  
100-754-017 Löffelzange, länglicher Löffel  
Cupped Forceps, long cups

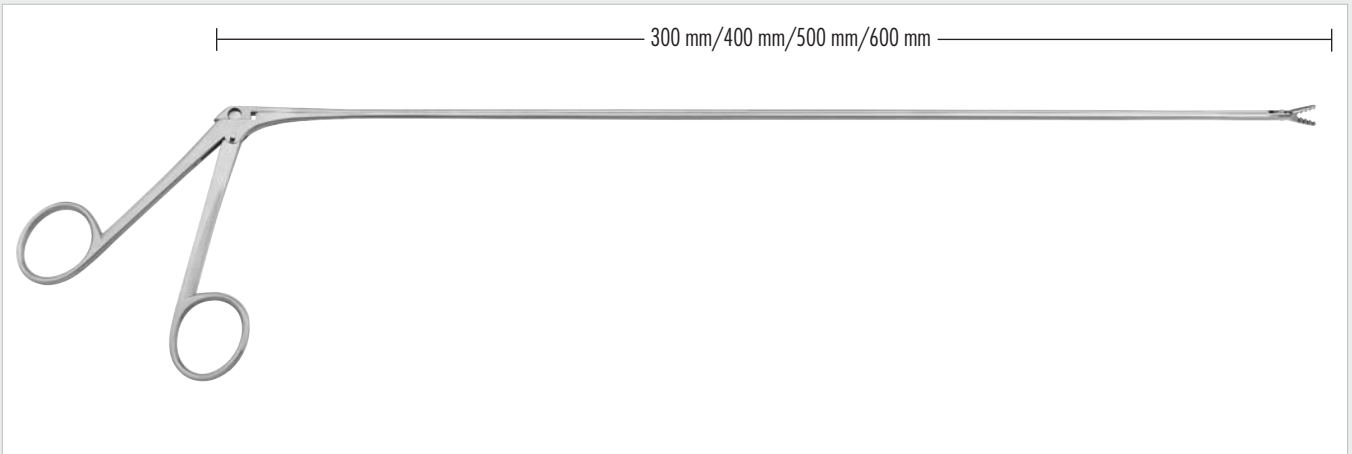
**BRUENINGS** Löffelzange, rund  
Cupped Forceps, round  
100-754-014 Size 1  
100-754-004 Size 2  
100-754-024 Size 3

**SCHEINMANN**  
100-754-019 Löffelzange, abgewinkelt  
Cupped Forceps, angled

**KRAUSE** Biopsie Stanze, oval, durchschneidend  
Biopsy punch, oval, through cutting  
100-754-008 Size 1  
100-754-026 Size 2  
100-754-027 eckig/angular, Size 1  
100-754-007 eckig/angular, Size 2

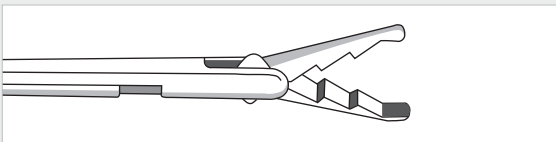
**SCHUHMACHER**  
100-754-028 Biopsie Stanze, dreieckig,  
mit ziehendem Schnitt  
Biopsy punch, triangular,  
with pull cutting

**CORDES** Stanze/Punch  
100-754-029 rund/round  
100-754-032 eckig/angular



### CHEVALIER-JACKSON

Bronchoskopie Zangen, **Schieberschaft**, doppelbewegliche Maulteile  
 Bronchoscopy forceps, **sliding-shaft**, double-moving jaws

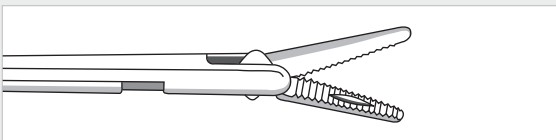


#### Hechtmaul/Alligator jaw

- 100-755-305
- 100-755-405
- 100-755-505
- 100-755-605

#### Länge/Length

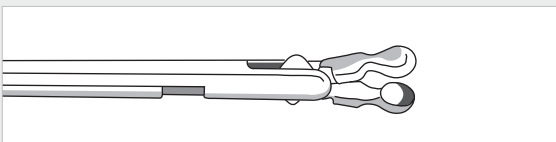
- 300 mm/11 ¾ inch
- 400 mm/15 ¾ inch
- 500 mm/19 ¾ inch
- 600 mm/23 ⅔ inch



#### Faßzange, gerieftes Maul/Grasping forceps, serrated jaw

- 100-755-304
- 100-755-404
- 100-755-504
- 100-755-604

- 300 mm/11 ¾ inch
- 400 mm/15 ¾ inch
- 500 mm/19 ¾ inch
- 600 mm/23 ⅔ inch



#### Löffelzange/Cupped forceps

- 100-755-310
- 100-755-410
- 100-755-510
- 100-755-610

- 300 mm/11 ¾ inch
- 400 mm/15 ¾ inch
- 500 mm/19 ¾ inch
- 600 mm/23 ⅔ inch



Erwachsene / Adult

Optische Bronchoskopie Zangen für Bronchoskope 8,5 - 7,5mm  
Optical Bronchoscopy forceps for Bronchoscopes 8.5 - 7.5mm



**HD**

100-655-100 Nutzlänge 540 mm/working length 21 1/3 inch  
Bronchoskop, starr, 0°, ø 5,5 mm, autoklavierbar  
Bronchoscope, rigid, 0°, ø 5.5 mm, autoclavable

100-655-130 Nutzlänge 540 mm/working length 21 1/3 inch  
Bronchoskop, starr, 30°, ø 5,5 mm, autoklavierbar  
Bronchoscope, rigid, 30°, ø 5.5 mm, autoclavable



100-900-221 Peanut optische Faßzange für Gewebe  
Peanut and soft tissue grasper



100-900-222 Probeexcisionszange, Löffel 4,3mm  
Biopsy Cut Forceps, Spoon 4.3mm



100-900-223 Mini Probeexcisionszange, ovaler Löffel 2,3mm  
Mini Biopsy Cut Forceps, oval Spoon 2.3mm



100-900-224 Alligatormaul Faßzange, grobe Zahnung  
Alligator forceps, coarse serration



100-900-225 Schere, doppelbeweglich  
Scissors, double action



100-900-227 Fremdkörperzange  
Foreignbody Forceps



100-900-228 Fasszange  
Grasping Forceps



Erwachsene / Adult

Optische Bronchoskopie Zangen für Bronchoskope 8,5 - 7,5mm  
Optical Bronchoscopy forceps for Bronchoscopes 8.5 - 7.5mm



**HD**

100-655-000 Nutzlänge 490 mm/working length 19 1/3 inch  
Bronchoskop, starr, 0°, ø 5,5 mm, autoklavierbar  
Bronchoscope, rigid, 0°, ø 5.5 mm, autoclavable

100-655-030 Nutzlänge 490 mm/working length 19 1/3 inch  
Bronchoskop, starr, 30°, ø 5,5 mm, autoklavierbar  
Bronchoscope, rigid, 30°, ø 5.5 mm, autoclavable



100-900-201 Peanut optische Faßzange für Gewebe  
Peanut and soft tissue grasper



100-900-202 Probeexcisionszange, Löffel 4,3mm  
Biopsy Cut Forceps, Spoon 4.3mm



100-900-203 Mini Probeexcisionszange, ovaler Löffel 2,3mm  
Mini Biopsy Cut Forceps, oval Spoon 2.3mm



100-900-204 Alligatormaul Faßzange, grobe Zahnung  
Alligator forceps, coarse serration



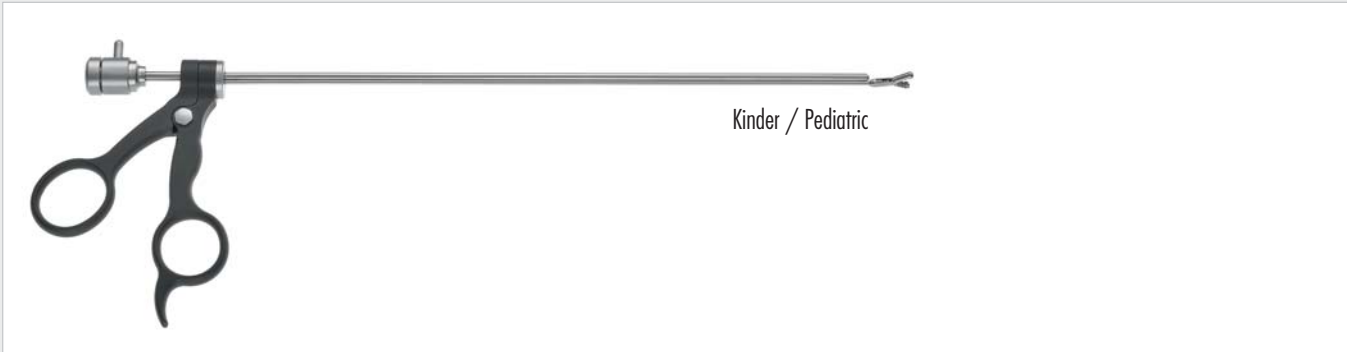
100-900-205 Schere, doppelbeweglich  
Scissors, double action



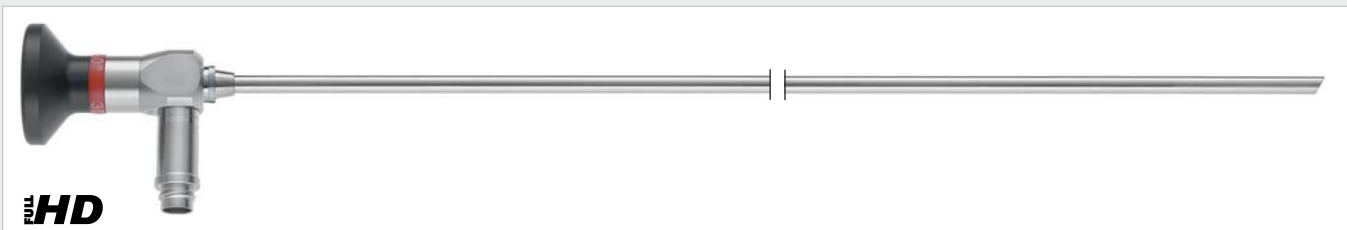
100-900-207 Fremdkörperzange  
Foreignbody Forceps



100-900-208 Fasszange  
Grasping Forceps



Optische Bronchoskopie Zangen für Bronchoskope 6 - 3,5 mm  
Optical Bronchoscopy forceps for Bronchoscopes 6 - 3.5 mm



100-629-000 Nutzlänge 300 mm/working length 12 inch  
Bronchoskop, starr, 0°, ø 2,9 mm, autoklavierbar  
Bronchoscope, rigid, 0°, ø 2.9 mm, autoclavable



100-900-211 Peanut optische Faßzange für Gewebe  
Peanut and soft tissue grasper



100-900-212 Probeexcisionszange, Löffel 4,3mm  
Biopsy Cut Forceps, Spoon 4.3mm



100-900-213 Mini Probeexcisionszange, ovaler Löffel 2,3mm  
Mini Biopsy Cut Forceps, oval Spoon 2.3mm



100-900-214 Alligatormaul Faßzange, grobe Zahnung  
Alligator forceps, coarse serration



100-900-215 Schere, doppelbeweglich  
Scissors, double action



100-900-217 Fremdkörperzange  
Foreignbody Forceps