

# OTOLOGY





100-102-100

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

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

Distanz/Distance	Spot $\varnothing$
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



100-104-000

**CLAR**

Stirnlampe 55, komplett, 6 V, mit Celluloidband

Head Light 55, complete, 6 V, with Celluloidband

100-104-001

Weißes Stirrband 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





100-103-120

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



100-103-400

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



100-100-002

**ZIEGLER**

Stirnband aus Kunststoff allein, schwarz  
Headband, plastic, black

100-100-003

**ZIEGLER**

Stirnband aus Kunststoff allein, weiß  
Headband, plastic, white



250-039-000



250-038-000



250-048-000



250-051-000



250-037-000



250-044-000



250-045-000



250-052-000



250-059-000

### Adaperstücke / Adaptor pieces

HINWEIS: nicht für Stirnlampen passend

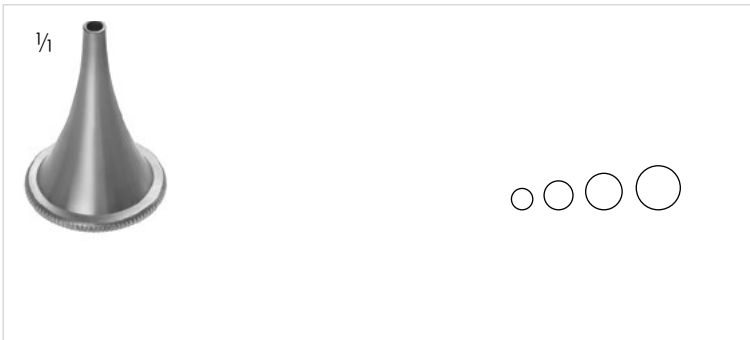
NOTE: does not fit at head lamps

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

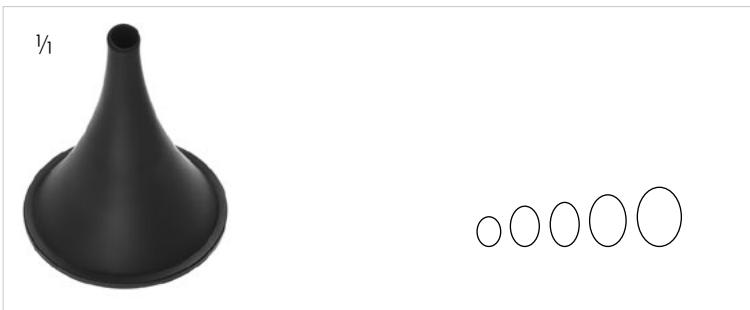


- 410-009-003 Innen/inner Ø: 2mm, Außen/outer Ø: 3mm
- 410-009-004 Innen/inner Ø: 3mm, Außen/outer Ø: 4mm
- 410-009-005 Innen/inner Ø: 4mm, Außen/outer Ø: 5mm
- 410-009-006 Innen/inner Ø: 5mm, Außen/outer Ø: 6mm
- 410-009-100 Satz aus 4 Teilen / Set of 4 pieces

**POLITZER**

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

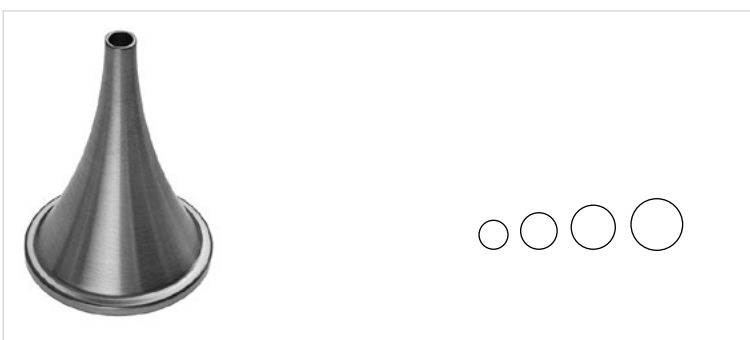
Aural Speculum round, 19mm knurl Ø, straight, 27mm length, stainless, for children



- 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

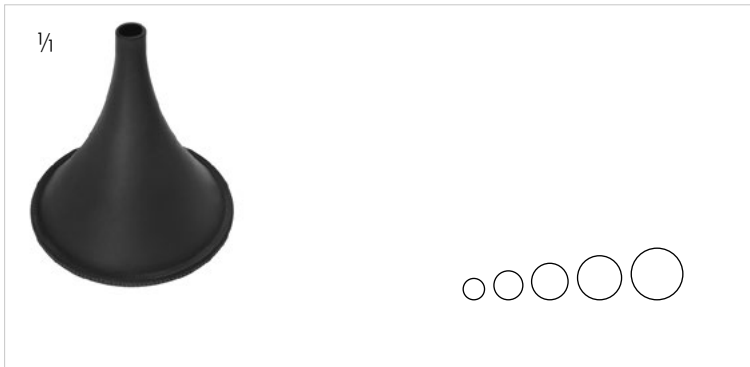


- |             | Innen/inner Ø                     | Außen/outer Ø |
|-------------|-----------------------------------|---------------|
| 410-014-004 | 3mm                               | 4mm           |
| 410-014-005 | 4mm                               | 5mm           |
| 410-014-006 | 5mm       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

**TOYNBEE**

Ohrspekula rund, gerade 36mm Länge

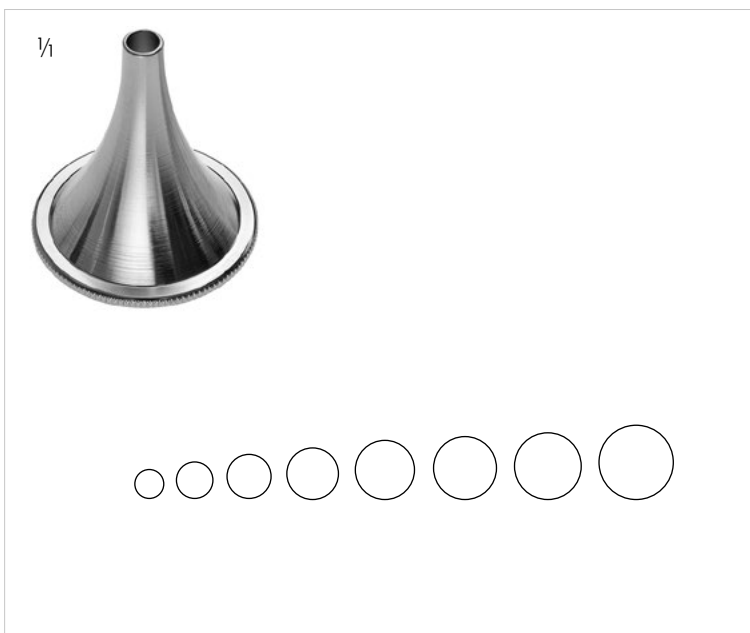
Aural Speculum round, straight, 36mm length



- 410-016-001 Außen/outer Ø: 3mm, rund/round
- 410-016-002 Außen/outer Ø: 4mm, rund/round
- 410-016-003 Außen/outer Ø: 5mm, rund/round
- 410-016-004 Außen/outer Ø: 6mm, rund/round
- 410-016-005 Außen/outer Ø: 7mm, rund/round

### ROSEN

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



- 410-018-004 Innen/inner Ø: 3mm, Außen/outer Ø: 4mm  
Länge/length: 31mm
- 410-018-005 Innen/inner Ø: 4mm, Außen/outer Ø: 5mm  
Länge/length: 32mm
- 410-018-006 Innen/inner Ø: 5mm, Außen/outer Ø: 6mm  
Länge/length: 33mm
- 410-018-007 Innen/inner Ø: 6mm, Außen/outer Ø: 7mm  
Länge/length: 34mm
- 410-018-008 Innen/inner Ø: 7mm, Außen/outer Ø: 8mm  
Länge/length: 35mm
- 410-018-085 Innen/inner Ø: 7.6mm, Außen/outer Ø: 8.5mm  
Länge/length: 36mm
- 410-018-009 Innen/inner Ø: 8mm, Außen/outer Ø: 9mm  
Länge/length: 36mm
- 410-018-010 Innen/inner Ø: 8mm, Außen/outer Ø: 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 Ø: 3mm
  - 410-019-040 Außen/outer Ø: 4mm
  - 410-019-050 Außen/outer Ø: 5mm
  - 410-019-060 Außen/outer Ø: 6mm
  - 410-019-075 Außen/outer Ø: 7.5mm

- Kinder/Children: 27mm länge/length
- 410-019-003 Außen/outer Ø: 3mm
  - 410-019-004 Außen/outer Ø: 4mm
  - 410-019-005 Außen/outer Ø: 5mm

### HARTMANN

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



	Innen/inner $\varnothing$	Außen/outer $\varnothing$
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



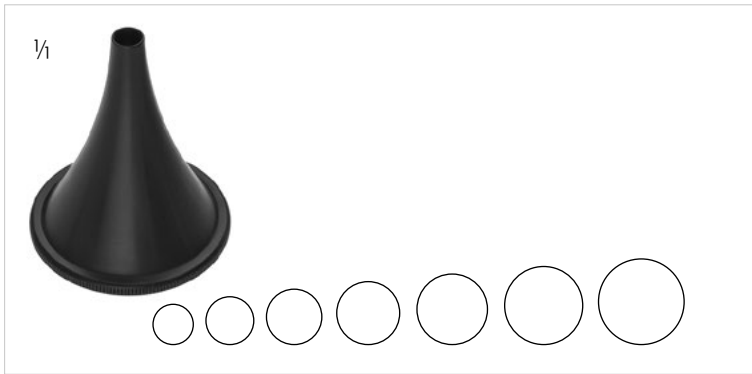
	Innen/inner $\varnothing$	Außen/outer $\varnothing$
410-022-001	3.3mm	4.1mm
410-022-002	4.3mm	5.1mm
410-022-003	4.8mm,	5.6mm
410-022-004	5.3mm	6.1mm
410-022-005	5.8mm	6.6mm
410-022-006	6.3mm	7.1mm
410-022-007	6.7mm	7.5mm
410-022-008	7.2mm	8.0mm
410-022-009	7.7mm	8.5mm
410-022-000	Satz aus 9 Teilen Set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

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



	Innen/inner $\varnothing$	Außen/outer $\varnothing$
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, geschwärztes Aluminium, 38mm Länge  
Aural Speculum oval, straight, black finished aluminium, 38mm length

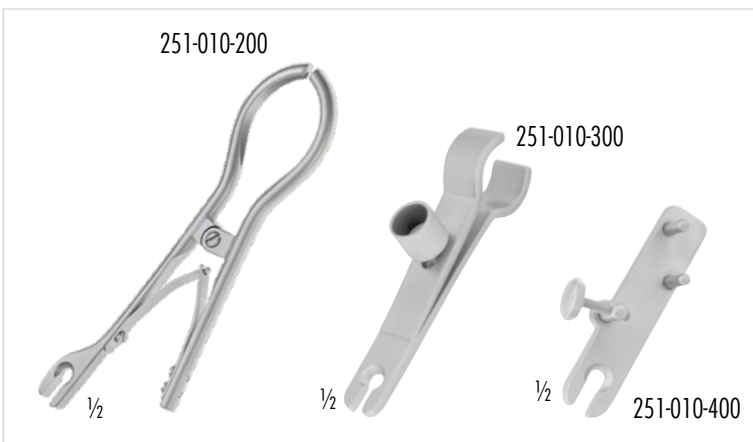


250-066-275

**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.



251-010-200

251-010-200

Ohrspekula Halter für flexiblen Spannarm  
Aural specula holder for flexible arm

251-010-300

251-010-300

Endoskop Halterung für flexiblen Spannarm  
Endoscope clamp for flexible arm

251-010-400

251-010-400

Nasenspekula Halterung für flexiblen Spannarm  
Nasal specula clamp for flexible arm





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



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 75mm

Otoscope, 0°, Ø 2.7 mm, working length 2 ¾ inch

410-027-030

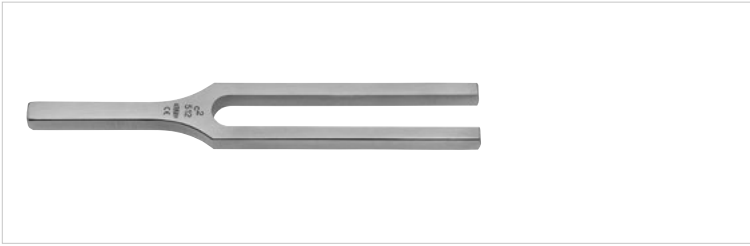
Otoskop, 30°, Ø 2,7 mm, Arbeitslänge 75mm

Otoscope, 30°, Ø 2.7 mm, working length 2 ¾ inch

410-027-070

Otoskop, 70°, Ø 2,7 mm, Arbeitslänge 75mm

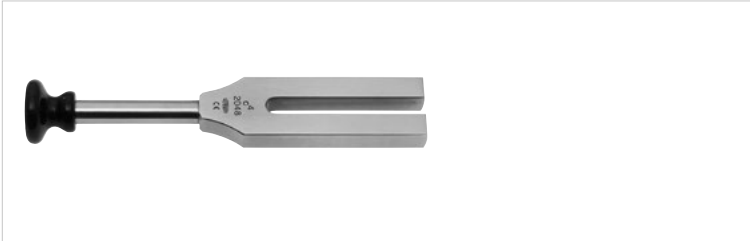
Otoscope, 70°, Ø 2.7 mm, working length 2 ¾ inch



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**

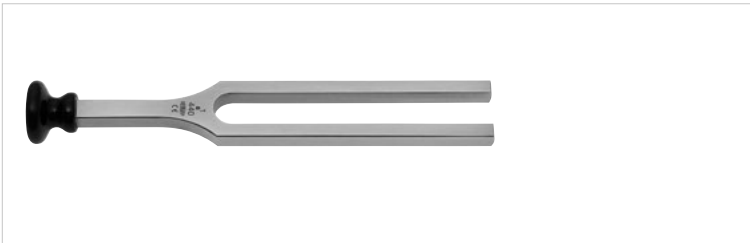
Stimmgabel  
 Tuning fork



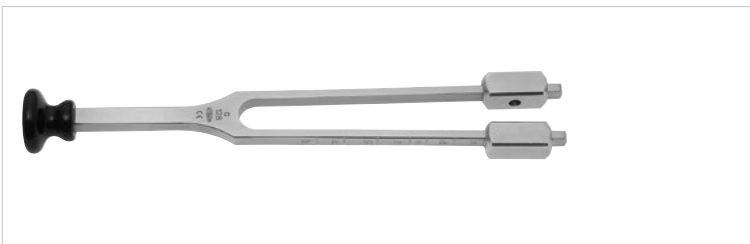
410-174-128 = c 128    410-174-256 = c1 256  
 410-174-512 = c2 512    410-174-102 = c3 1024  
 410-174-204 = c4 2048

**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



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

**SYRINGE**

Ohrspritze komplett, Ganzmetallausführung mit konischem und abgerundetem Aufsatz

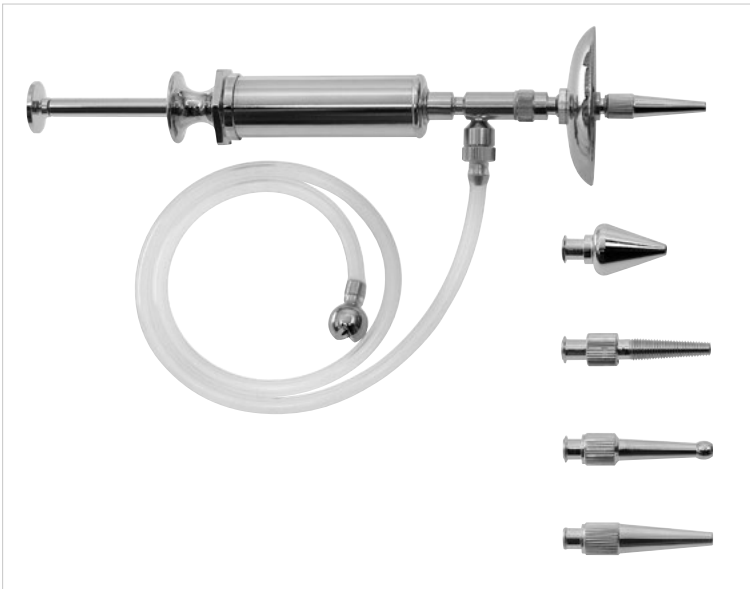
Aural syringe, all metal, complete with conical and bulbous pipe

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

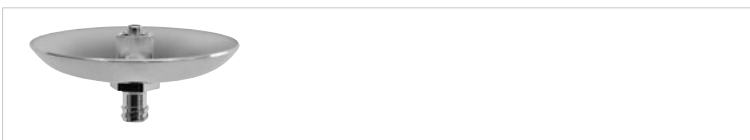
Ohrspritze komplett, 10 ml selbstfüllend, Ganzmetallausführung, verchromt, mit Luer-Lock-Ansatz bestehend aus:

Aural syringe, 10 ml, all metal chromium plated, for easy continous 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 Plastikschlauch, 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



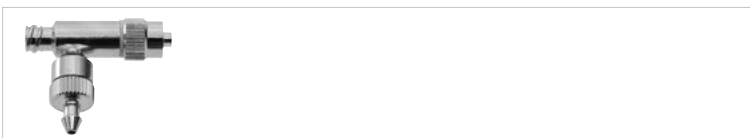
410-800-040

Schutzteller  
Protection shield



410-800-030

Saugfuß  
Metal sinker

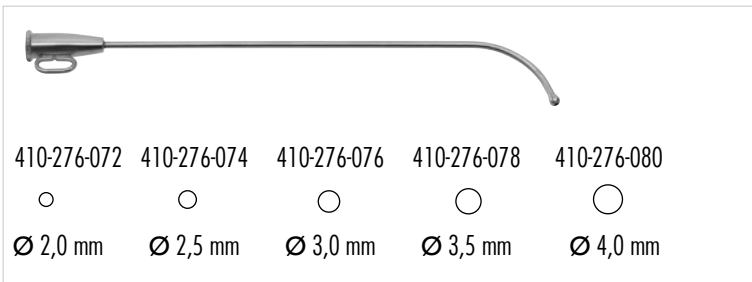


410-800-010

Ventilaufsatz  
Valve attachment



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



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 3,5 mm  
 410-276-080 Ø 4,0 mm  
**HARTMANN**  
 Tubenkatheter  
 Eustachian catheter



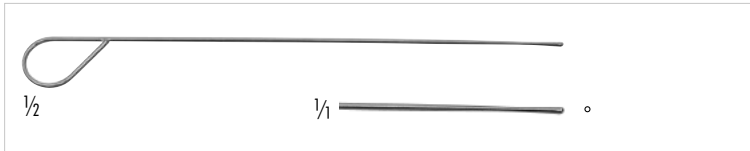
410-205-000  
**KABIERSKE**  
 Pulverbläser komplett mit 3 Aufsätzen und Gummiball  
 Atomizer, complete with 3 metal tips and rubber bulb  
 410-205-100 Gummiball allein  
 Rubber bulb only  
 410-205-001 Aural Kanüle, gerade, 100 mm  
 Aural cannula, straight tip, 4 inch

410-205-001

410-205-002



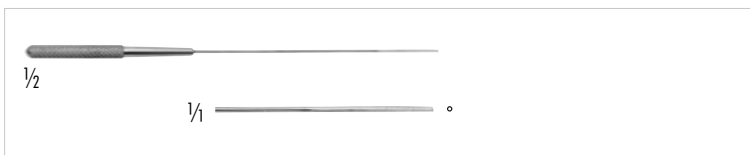
160-131-105  
**STACKE** Ø 0,8 mm  
 Ohrsonde, 100 mm  
 Aural probe, 4 inch



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



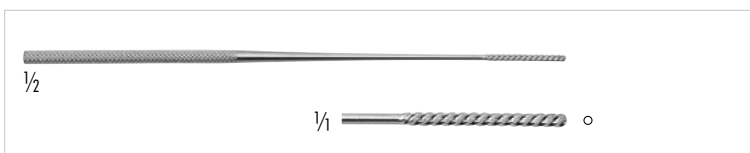
160-410-120  
**BUCK** Ø 0,9 mm  
 Ohrwatteträger, Arbeitsende spiralförmig, 120 mm  
 Cotton Applicator, rough spiral serrated end, 4 3/4 inch



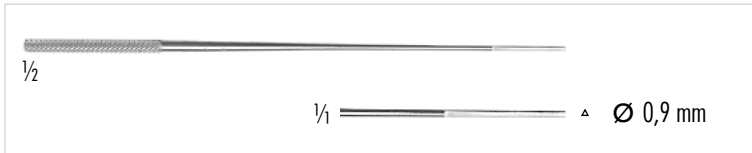
160-420-110  
**MODELL PICCOLO** Ø 0,7 mm  
 Ohrwatteträger, Arbeitsende rund gerieft, 110 mm  
 Cotton applicator, slender, round serrated end, 4 1/2 inch



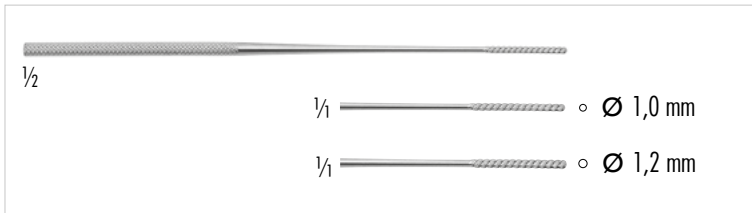
160-421-110  
**MODELL PICCOLO** Ø 0,7 mm  
 Ohrwatteträger, Arbeitsende dreikant gerieft, 110 mm  
 Cotton applicator, slender, triangular serrated end, 4 1/2 inch



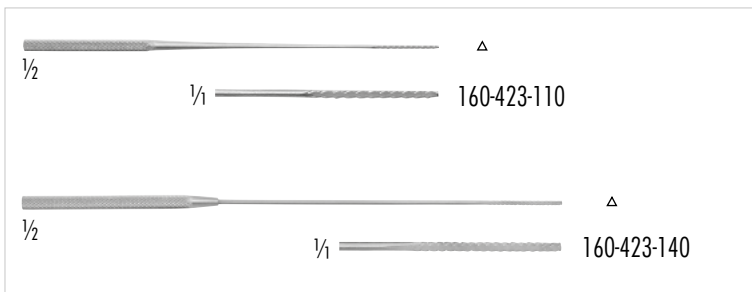
160-422-110 110 mm/4 1/2 inch  
 160-422-140 140 mm/5 1/2 inch  
**FARRELL** Ø 1,2 mm  
 Ohrwatteträger, Arbeitsende rund gerieft  
 Cotton applicator, round serrated end



160-426-120 120mm, 4 ¾ inch  
 160-426-140 140mm, 5 ½ inch  
 Ohrwatteträger, Arbeitsende dreikant gerieft, Ø 0,9 mm  
 Cotton applicator, triangular serrated end, Ø 0.9 mm



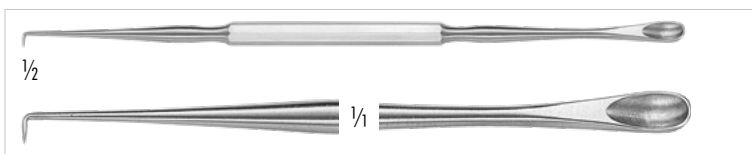
160-010-140 Ø 1,0 mm  
 160-012-140 Ø 1,2 mm  
 Ohrwatteträger, Arbeitsende spiralförmig, 140 mm  
 Cotton applicator, spiral serrated end, 5 ½ inch



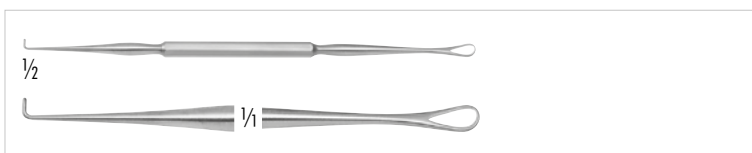
160-423-110 110 mm, 4 ½ inch  
 160-423-140 140mm, 5 ½ inch  
**LATHBURY-FARRELL**  
 Ohrwatteträger, Arbeitsende dreikant gerieft, Ø 1,4 mm  
 Cotton applicator, triangular serrated end, Ø 1.4 mm



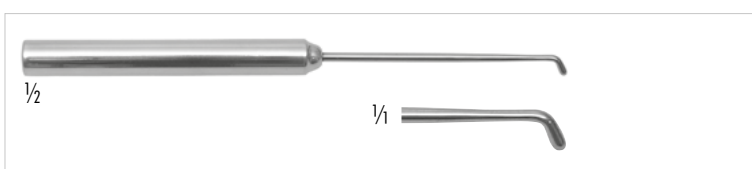
160-255-140 140 mm, 5 ½ inch  
 160-255-180 180 mm, 7 inch  
**JOBSON HORNE**  
 Ohrsonde  
 Aural probe



410-145-175 spitz/pointed  
 410-146-175 stumpf/blunt  
**FORMBY**  
 Zerumenlöffel und - häkchen, 130 mm  
 Cerumen scoop and hook, 5 ⅞ inch



410-147-175 spitz/pointed  
 410-148-175 stumpf/blunt  
**FORMBY**  
 Zerumenschlinge und - häkchen, 120 mm  
 Cerumen loop and hook, 4 ¾ inch



410-147-145  
**CAWTHORNE**  
 Zerumenhäkchen, 145 mm  
 Cerumen hook, 5 ½ inch

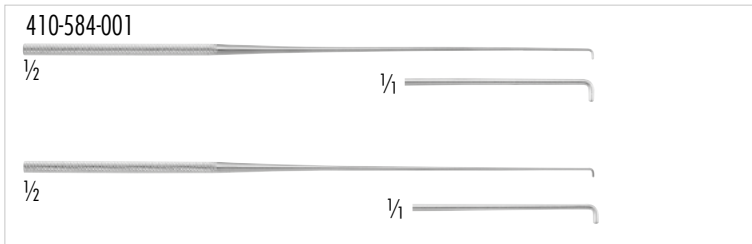




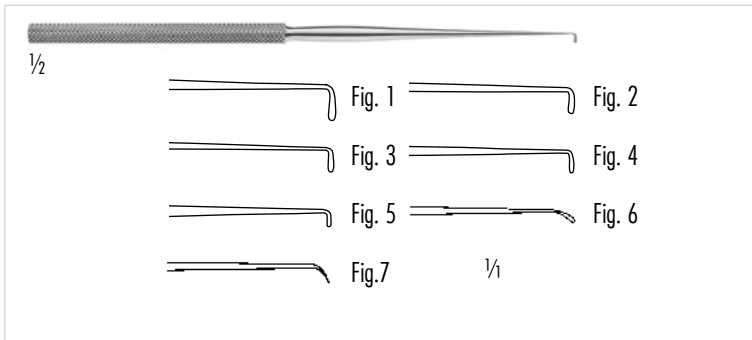
410-581-160  
**ALLPORT**  
Ohrhäkchen, stumpf, 160 mm  
Aural hook, blunt, 6 1/4 inch



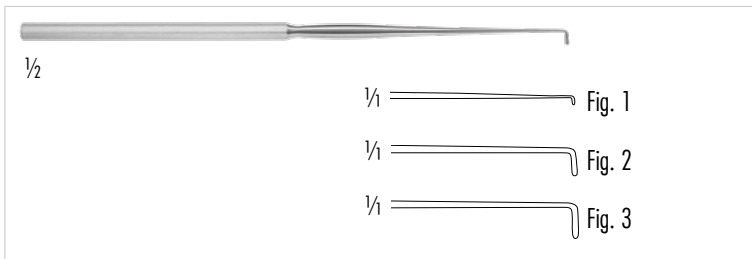
410-583-150  
**ZAUFAL-JANSEN**  
Ohrhebel, geknüpft, 45° abgewinkelt, 150 mm  
Aural hook, probe ended, 45° angled, 6 inch



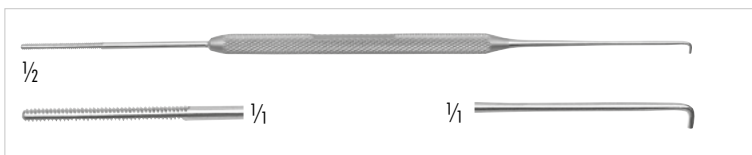
410-584-001 Fig. 1  
410-584-002 Fig. 2  
**DAY**  
Ohrhäkchen, 150 mm  
Aural hook, 6 inch



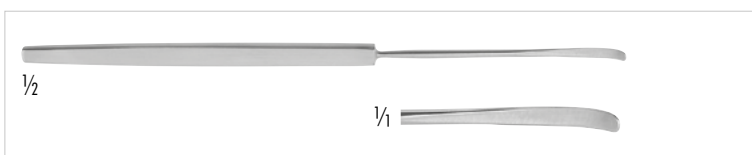
410-585-001 Fig. 1  
410-585-002 Fig. 2  
410-585-003 Fig. 3  
410-585-004 Fig. 4  
410-585-005 Fig. 5  
410-585-006 Fig. 6  
410-585-007 Fig. 7  
**WAGENER**  
Ohrhebel, 140 mm  
Aural hook, 5 1/2 inch



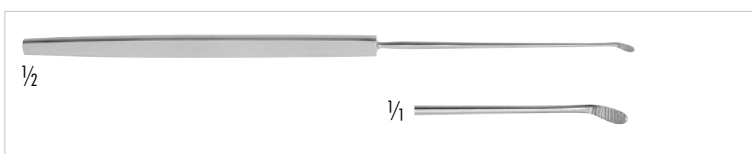
410-586-141 Fig. 1  
410-586-142 Fig. 2  
410-586-143 Fig. 3  
**LUCAE**  
Ohrhebel, geknüpft, 140 mm  
Aural hook, probe ended, 5 1/2 inch



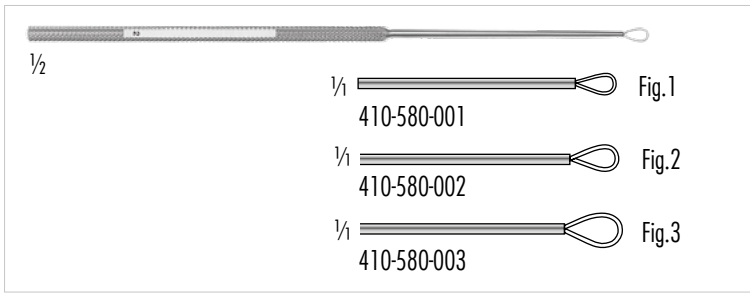
410-584-180  
**MUSGROVE**  
Zerumennadel und Watteträger, 180 mm  
Cerumen pick and cotton applicator, 7 inch



410-583-160  
**ZAUFAL**  
Ohrhebel, stumpf, 160 mm  
Aural elevator, blunt, 6 1/4 inch



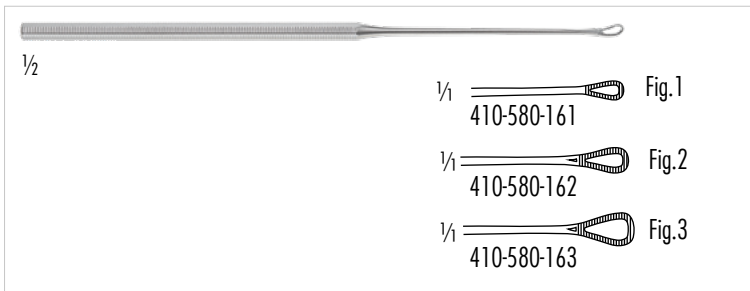
410-584-160  
**MOLDENHAUER**  
Fremdkörperhebel, 160 mm  
Foreign body elevator, 6 1/4 inch



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

**BILLEAU**

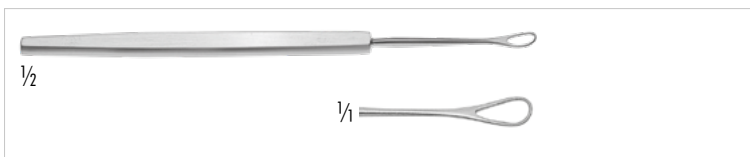
Ohrschlinge, gerade, 160 mm  
Aural loop, straight, 6 1/4 inch



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

**SNELLEN (WEBER-LOCH)**

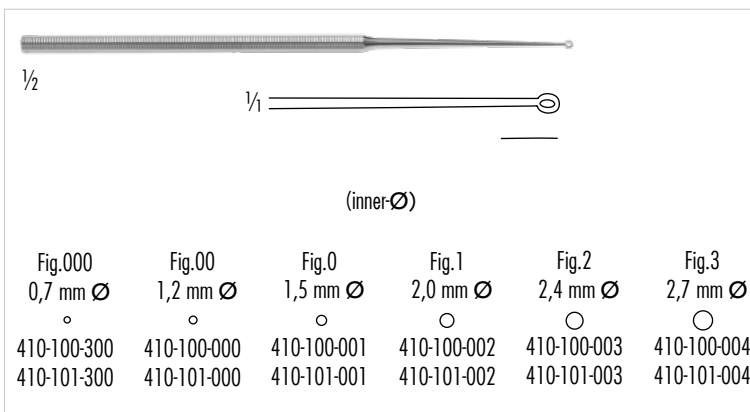
Ohrschlinge, gebogen, gerieft, 160 mm  
Aural loop, curved, serrated, 6 1/4 inch



410-580-130

**LANGENBECK**

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



stumpf/blunt

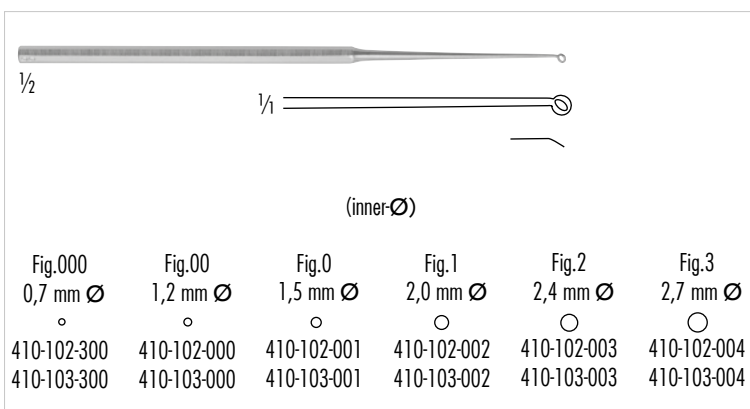
410-100-000  
410-100-001  
410-100-002  
410-100-003  
410-100-004  
410-100-300

scharf/sharp

410-101-000  
410-101-001  
410-101-002  
410-101-003  
410-101-004  
410-101-300

**BUCK**

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



stumpf/blunt

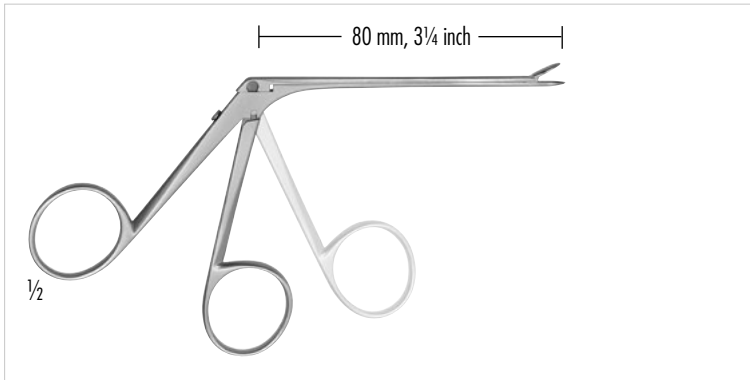
410-102-000  
410-102-001  
410-102-002  
410-102-003  
410-102-004  
410-102-300

scharf/sharp

410-103-000  
410-103-001  
410-103-002  
410-103-003  
410-103-004  
410-103-300

**BUCK**

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



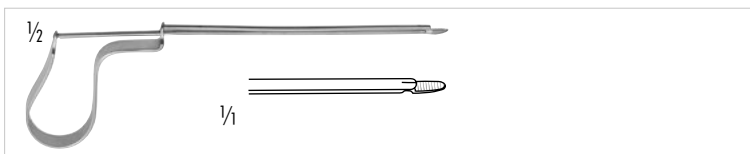
Fremdkörper- Ohrzängchen zur Untersuchung, **Zeigefingerringteil** beweglich, mit Schiebenschaft  
 Aural foreign body forceps for examination, opening and closing of the jaws by means of **finger ring-handle**, sliding shaft



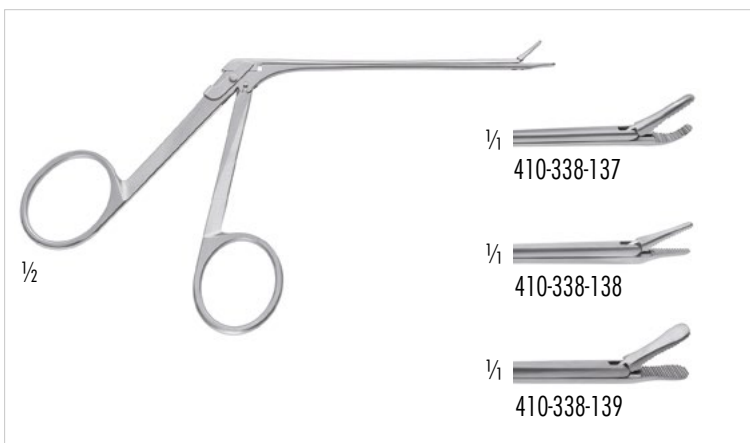
410-210-085 1 x 8 mm, gerieftes Maulteil/serrated jaws  
 410-215-085 1 x 8 mm, glattes Maulteil/smooth jaws  
**HARTMANN**  
 Faßzängchen, gerade  
 Aural forceps, straight



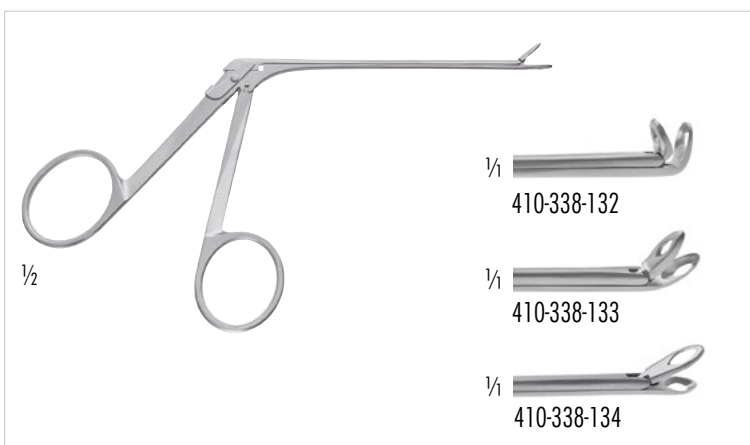
410-211-085 2 x 6 mm  
**HARTMANN**  
 Faßzängchen, gerade, 1 x 2 Zähne  
 Aural forceps, straight, 1 x 2 teeth



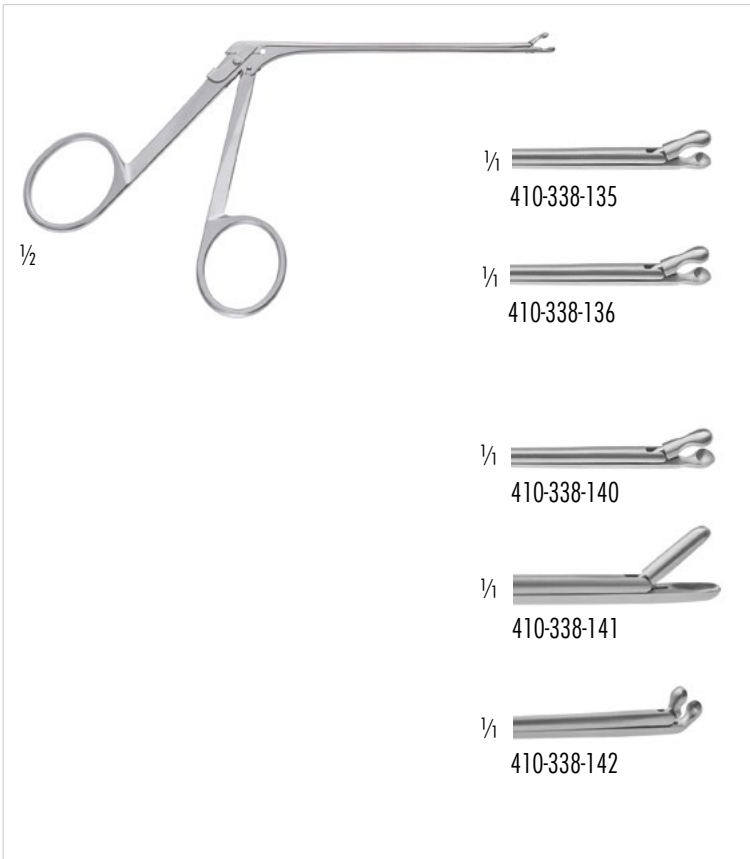
410-330-090  
**QUIRE**  
 Fremdkörperinstrument, 90 mm  
 Aural forceps for removal of foreign bodies, 3 1/2 inch



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

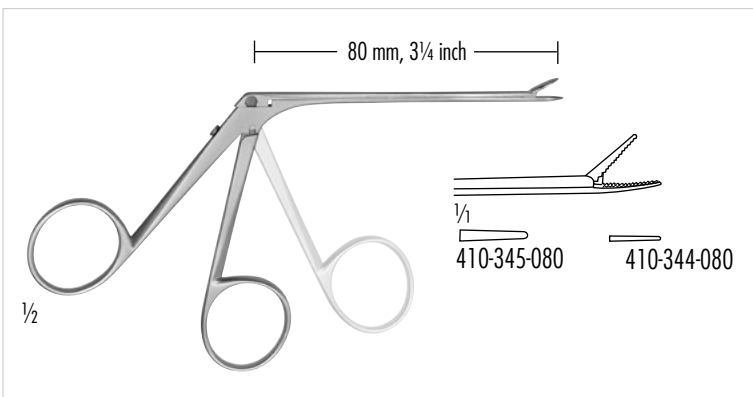


**HARTMANN-HERZFELD**

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

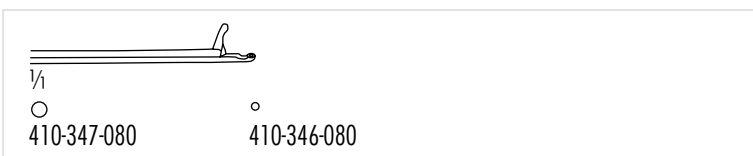
Ohrzängchen, Arbeitslänge: 87 mm  
 Ear Forceps, Working length: 3 1/8 inch



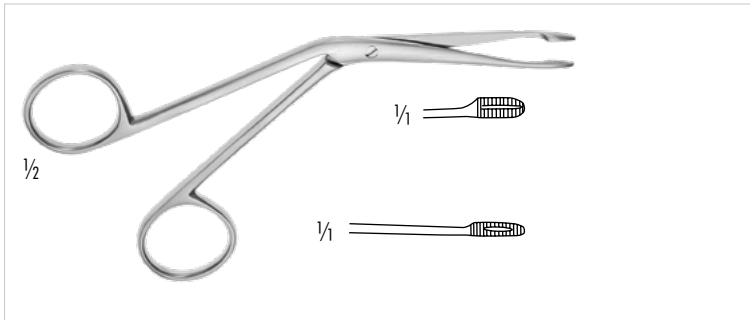
Fremdkörper-Ohrzängchen zur Untersuchung, feine Ausführung,  
**Zeigefingerringteil** beweglich, mit Schiebeschäft  
 Aural foreign body forceps for examination, extra fine pattern, opening  
 and closing of the jaws by means of **finger ring-handle**, sliding shaft

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

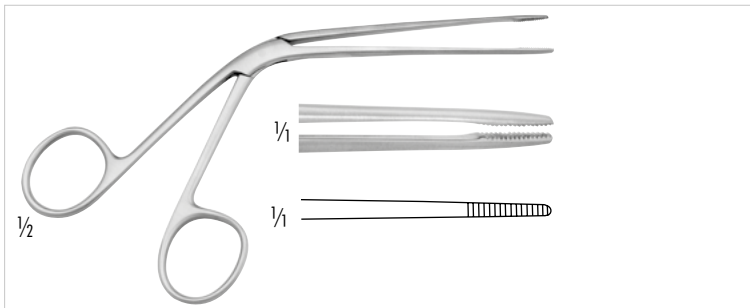
**HARTMANN**

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

410-230-120

**HARTMANN**

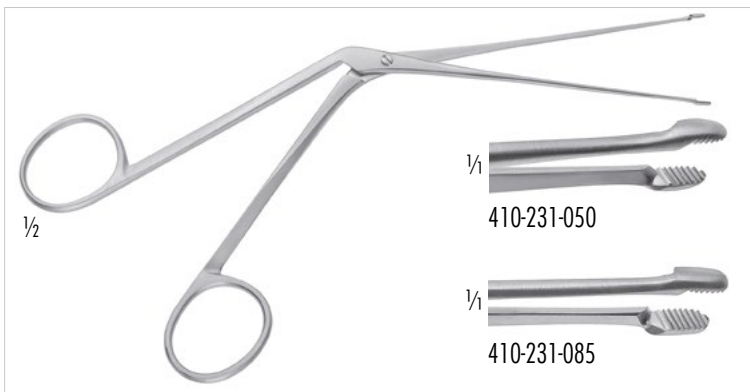
Ohrtamponzange, feines Modell, 135 mm  
Aural tampon forceps, delicate pattern, 5 inch



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**

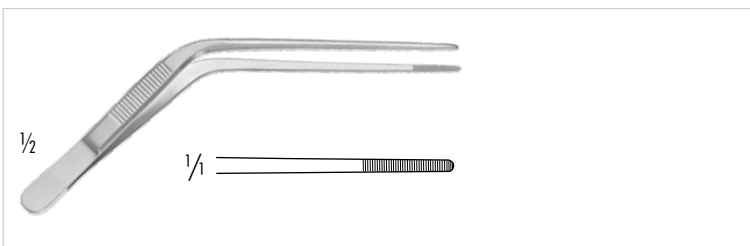
Ohrpinzette, anatomisch, bajonettförmig, 140 mm  
Aural dressing forceps, bayonet shaped, 5 1/2 inch



410-375-100

**TROELTSCH**

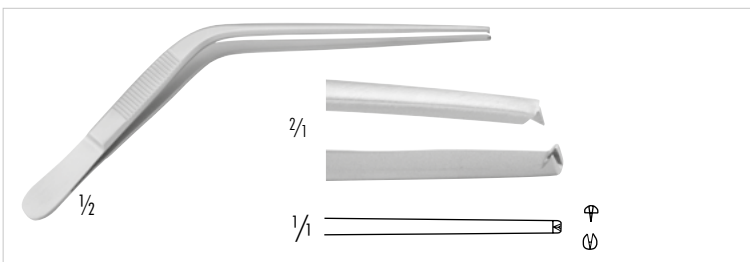
Ohrpinzette, fein und klein, gerieft, 45 mm Nutzlänge  
Aural dressing forceps, delicate and small, serrated,  
45 mm working length



410-375-120

**TROELTSCH**

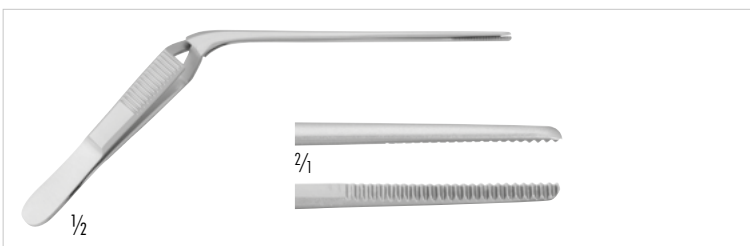
Ohrpinzette, anatomisch, kniegebogen, 1,8 mm breit, 115 mm  
Aural dressing forceps, angled, tip 1,8 mm, serrated, 4 1/2 inch



410-377-120

**TROELTSCH**

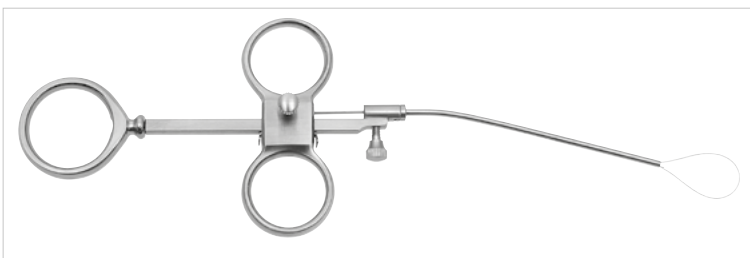
Ohrpinzette, chirurgisch, 1 x 2 Zähne, kniegebogen, 125 mm  
Aural tissue forceps, 1 x 2 teeth, knee bent, 5 inch



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

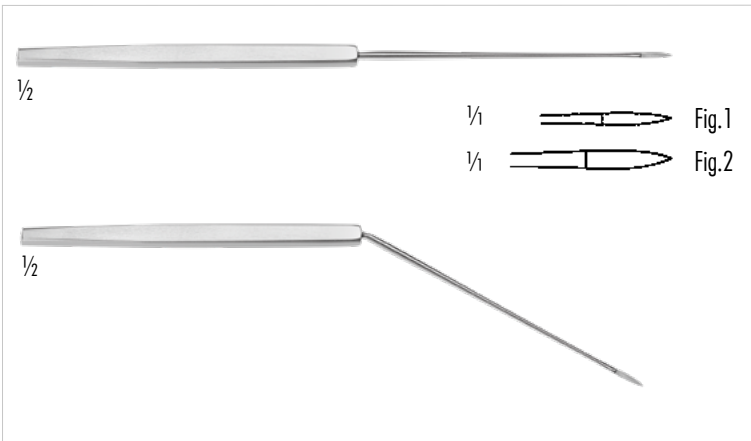
Sales unit: PH=Package of 100 pieces



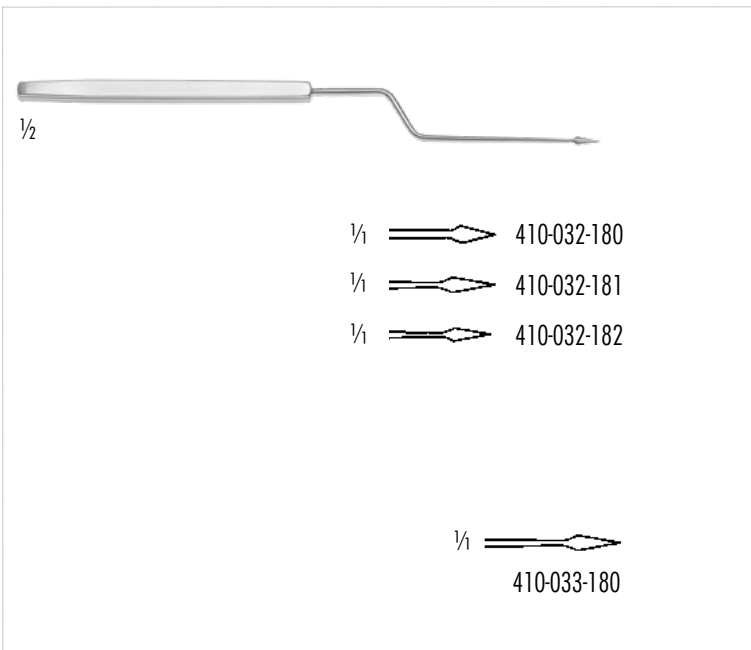
410-350-150  
**POLTZER**  
Ohr-Furunkelmesser, 160 mm  
Aural Sickle knife, 6 1/4 inch



410-352-170  
**SEXTON**  
Ohr-Furunkelmesser, bajonettförmig, 170 mm  
Aural Sickle knife, bayonet-shaped, 6 3/4 inch



410-354-180 Fig.1 gerade/straight  
410-355-180 Fig.2 gerade/straight  
410-357-180 Fig.1 kniegebogen/knee bent  
410-358-180 Fig.2 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, 183 mm

Tympanum perforator, straight, 7 1/4 inch

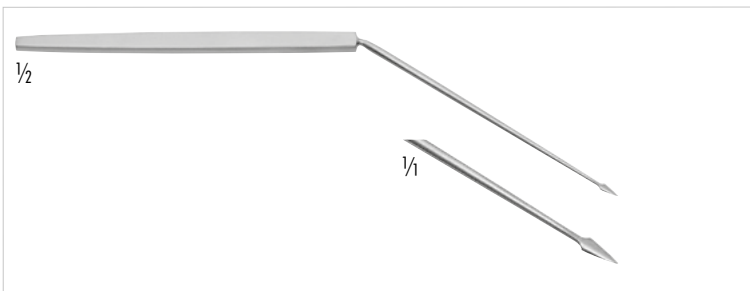


410-031-140

**JACOBSON**

Ohrhäkchen, 140mm

Ear hook, 5 1/2 inch



410-032-160

**POLITZER**

Paracentese-Nadel, kniegebogen, senkrecht, 160 mm

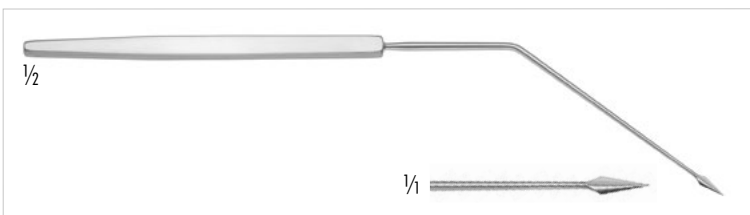
Tympanum perforator, knee bent, vertical, 6 1/4 inch

410-033-160

**POLITZER**

Paracentese-Nadel, waagrecht, kniegebogen, 160 mm

Tympanum perforator, knee bent, horizontal, 6 1/4 inch



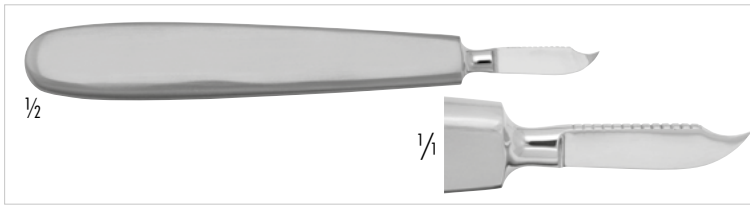
410-032-175

**AGNEW (POLITZER)**

Paracentesis Nadel, kniegebogen, 180 mm

Paracentesis needle, knee bent, 7 inch

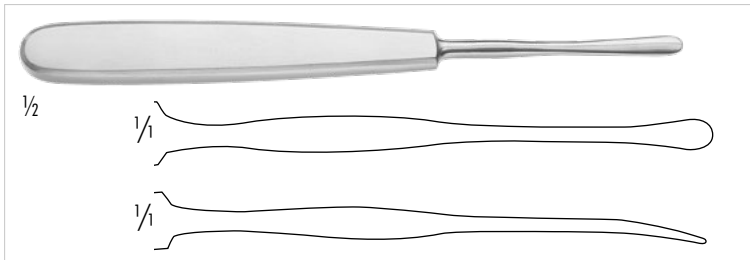




210-394-150  
**MUCK**  
Periostmesser, 150 mm  
Periosteal knife, 6 inch



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

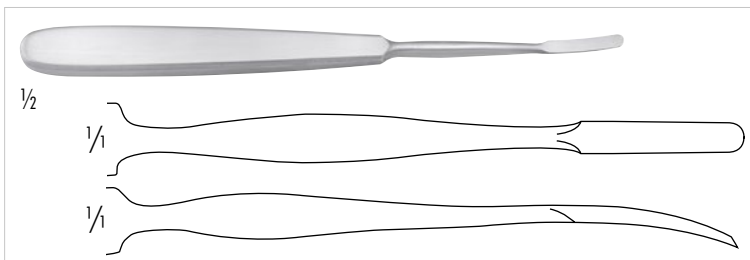


210-395-175  
**SEBILEAU**  
Elevatorium, 5 mm breit, 175 mm  
Elevator, 5 mm wide, 7 inch

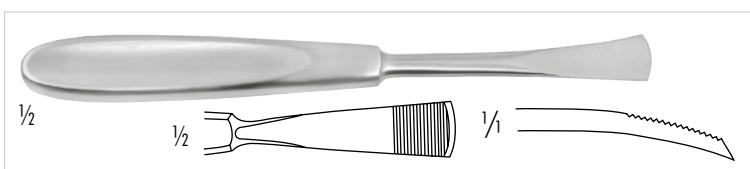


431-630-007	7mm	431-630-006	6mm
431-630-009	9mm	431-630-011	11mm

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



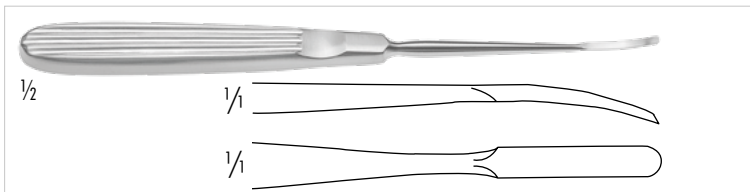
210-396-160  
**JOSEPH**  
Raspatorium, leicht gebogen, 160 mm  
Periosteal Elevator, slightly curved, 6 1/4 inch



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

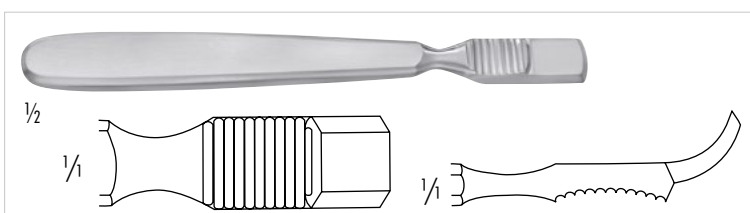


210-397-185  
**LEMPERT**  
Raspatorium, halbscharf, 185 mm  
Periosteal Elevator, semi sharp, 7 1/4 inch

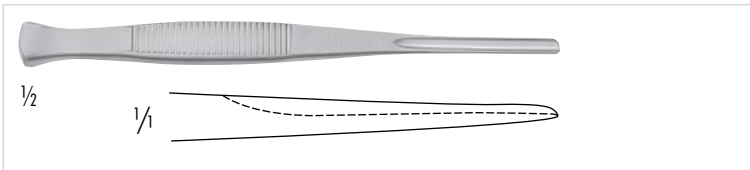


420-530-165	2mm
420-531-165	3mm
420-532-165	4mm

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



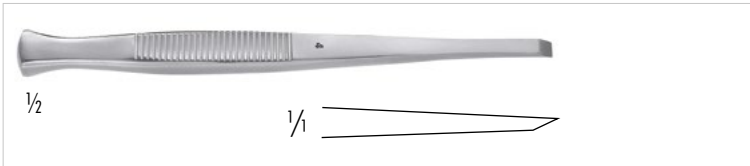
210-311-150  
**FARABEUF**  
Raspatorium, gebogen, 140 mm  
Periosteal Elevator, curved cutting edge, 5 1/2 inch



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

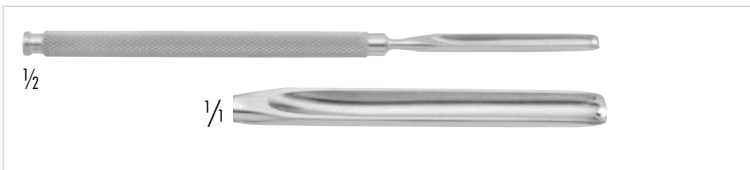
**PARTSCH**  
Hohlmeissel, gerade, 140 mm  
Gouge, straight, 5 1/2 inch



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

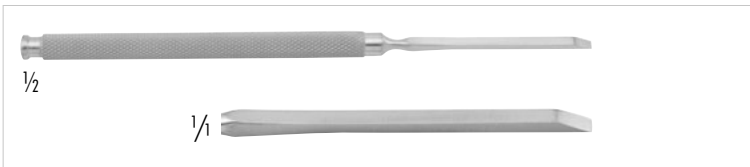
210-304-135 4 mm  
210-306-135 6 mm

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



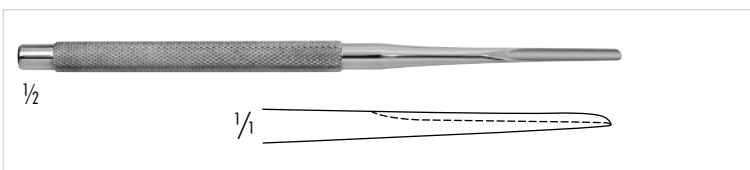
210-160-004 4 mm  
210-160-006 6 mm

**BRUENINGS**  
Hohlmeissel, 160 mm  
Gouge, 6 1/4 inch



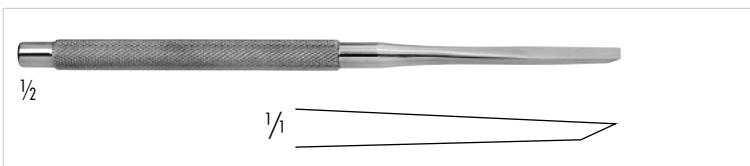
210-160-104 4 mm  
210-160-106 6 mm

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



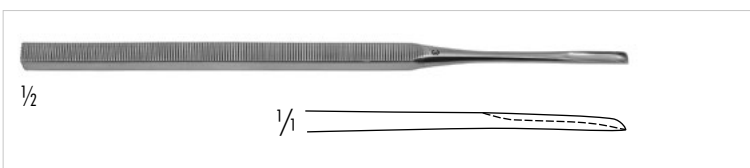
210-103-160 3 mm  
210-105-160 5 mm

**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



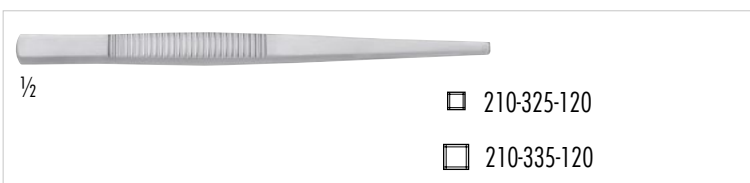
210-100-162 2 mm  
210-100-163 3 mm  
210-100-164 4 mm

**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  
**HAJEK**  
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

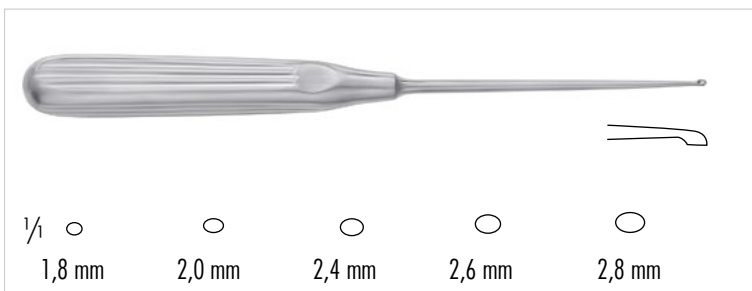


210-240-180 235 g  
**COTTLE**  
Hammer, 1 Seite flach, 1 Seite convex, 185 mm  
Mallet, 1 side plain, 1 side convex, 7 1/4 inch



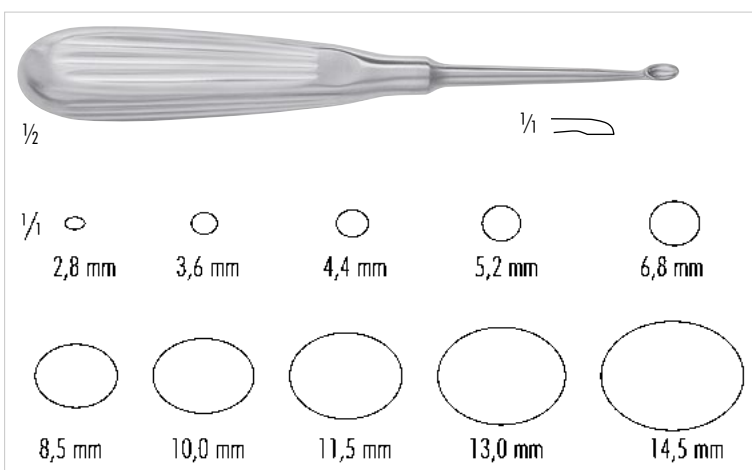
210-264-140 135 g  
Hammer, mit austauschbaren Kunststoffbacken, 185 mm  
Mallet, head with interchangeable plastic discs, 7 1/4 inch

210-265-000  
Ersatzbackenpaar für Hammer 210-264-140  
Pair of interchangeable discs for mallet 210-264-140



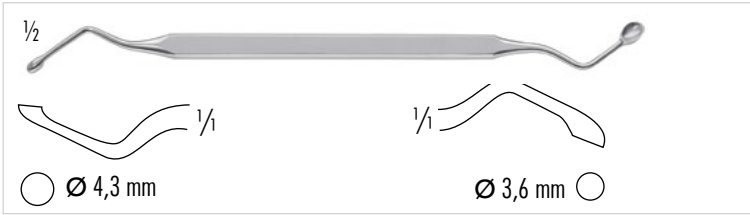
210-348-001 1,8 mm  
210-348-300 2,0 mm  
210-348-200 2,4 mm  
210-348-000 2,6 mm  
210-348-010 2,8 mm

**LEMPERT**  
Scharfer Löffel, 200 mm  
Endaural curette, 8 inch

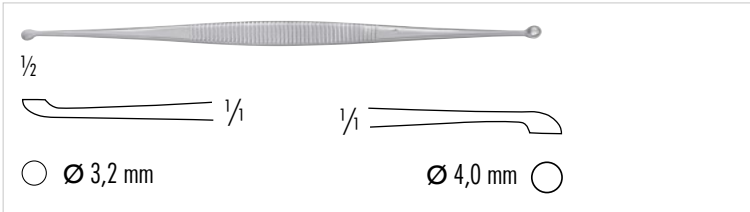


210-304-400 2,8 mm  
210-304-300 3,6 mm  
210-304-200 4,4 mm  
210-304-100 5,2 mm  
210-304-010 6,8 mm  
210-304-020 8,5 mm  
210-304-030 10,0 mm  
210-304-040 11,5 mm  
210-304-050 13,0 mm  
210-304-060 14,5 mm

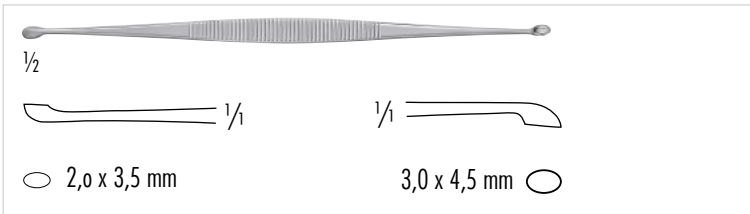
**VOLKMANN**  
Scharfer Löffel, 170 mm  
Endaural curette, 6 3/4 inch



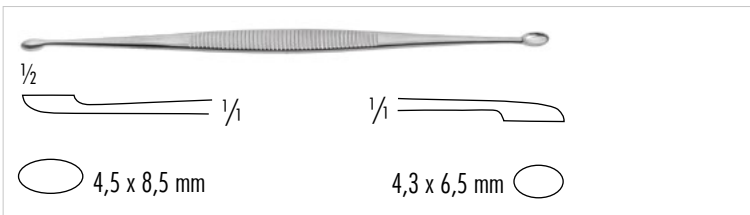
210-216-150  
**JANSEN**  
Scharfer Doppellöffel, runde Löffel, 160 mm  
Aural curette, sharp, double-ended, round cups, 6 ¼ inch



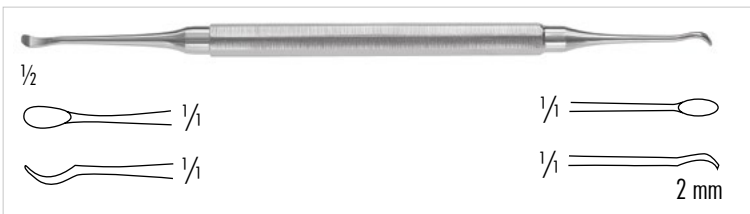
210-218-012  
**MARTINI**  
Scharfer Doppellöffel, runde Löffel, 140 mm  
Aural curette, sharp, double-ended, round cups, 5 ½ inch



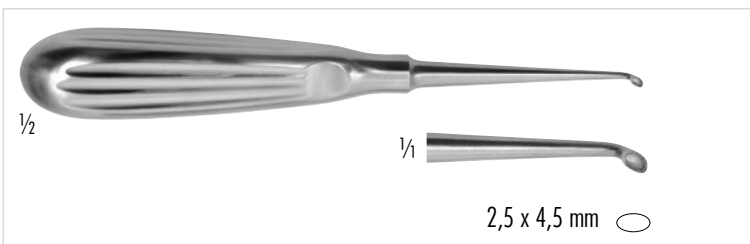
210-216-001  
**WILLIGER**  
Scharfer Doppellöffel, ovale Löffel, 145 mm  
Aural curette, sharp, double-ended, oval cups, 5 ¾ inch



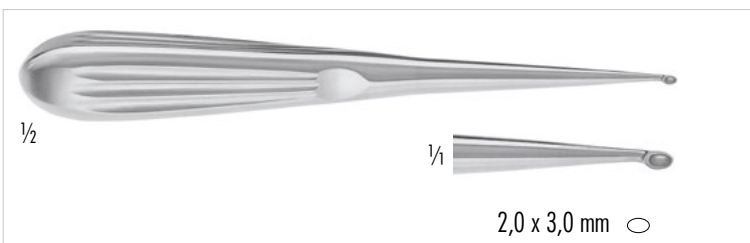
210-213-140  
**JACOBSON**  
Scharfer Doppellöffel, ovale Löffel, 140 mm  
Aural curette, sharp, double-ended, oval cups, 5 ½ inch



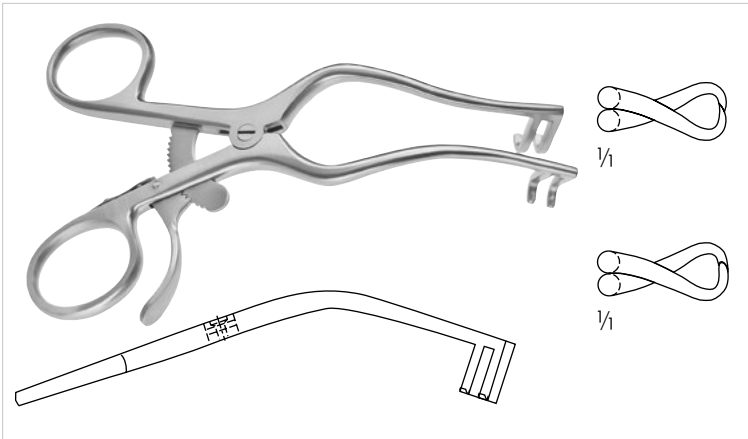
410-216-180  
**MILLER**  
Doppel-Kürette, 180 mm  
Aural curette, double-ended, 7 inch



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, oval Löffel  
Micro aural curette, straight, ovaler 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, volles Blatt rechts, 2 Zähne links, 110 mm  
 Retractor, self-retaining, blunt, solid blade on right, 2 teeth left, 4 3/8 inch

170-761-110  
**PLESTER**  
 Wundspreizer, stumpf, volles Blatt links, 2 Zähne rechts, 110 mm  
 Retractor, self-retaining, blunt, solid blade on left, 2 teeth right, 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



170-765-110 volles Blatt rechts mit scharfen Zähnen,  
 3 Zähne links  
 full blade right side with sharp teeth,  
 3 prongs left

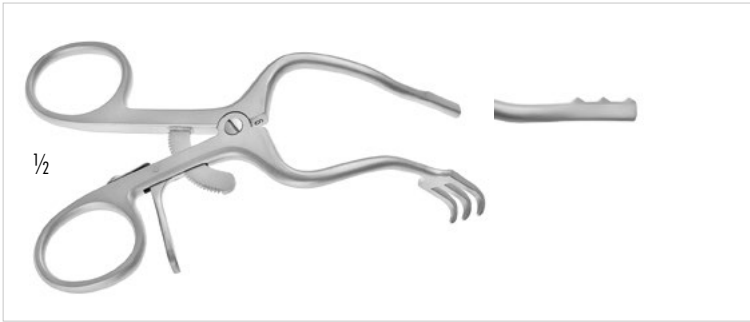
**PERKINS**  
 Wundsperrerr, 110mm / Retractor, 4 1/3 inch



170-757-110 gerieftes Blatt links, 2 Zähne rechts  
 left serrated blade, 2 prongs right

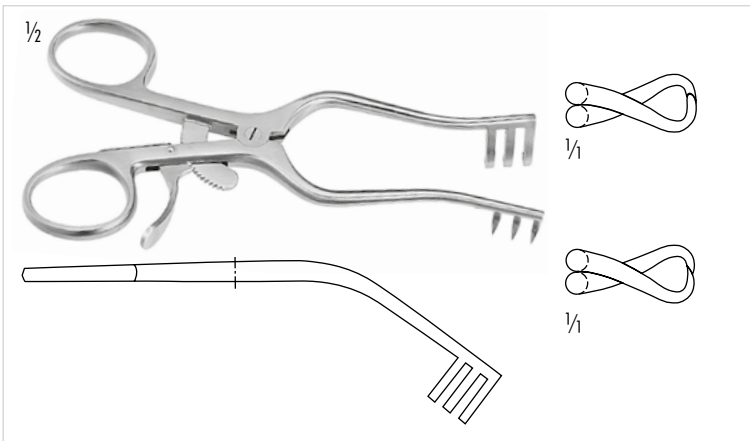
170-758-110 gerieftes Blatt rechts, 2 Zähne links  
 right serrated blade, 2 prongs left

**WIEGAND**  
 Wundsperrerr, 110mm  
 Retractor, 4 1/3 inch



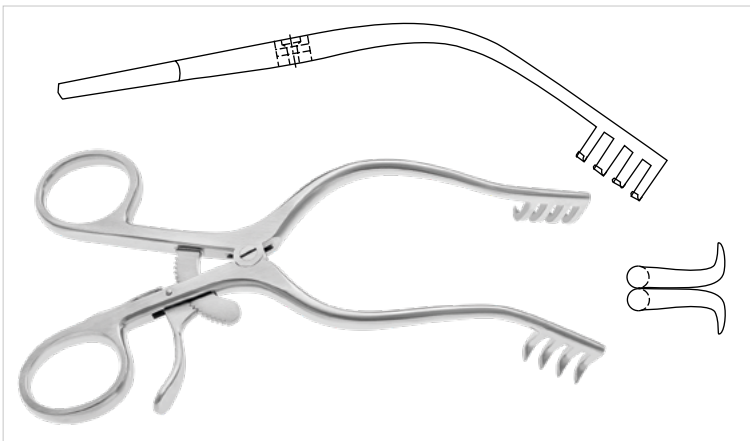
- 170-735-110 linkes Blatt scharf, 3 Zähne rechts, 110mm  
left blade sharp, 3 teeth right, 4<sup>1/3</sup> inch
- 170-735-130 linkes Blatt scharf, 3 Zähne rechts, 130mm  
left blade sharp, 3 teeth right, 5<sup>1/8</sup> inch
- 170-736-110 rechtes Blatt scharf, 3 Zähne links, 110mm  
right blade sharp,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

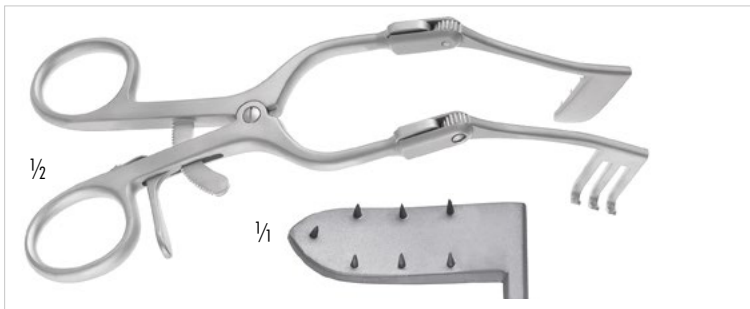


170-780-170  
**RZ**  
Gelenkwundsperrrer 3 x 3 Zähne, 170 mm  
Retractor, self-retaining, articulating joints, 3 x 3 prongs, 6 1/2 inch



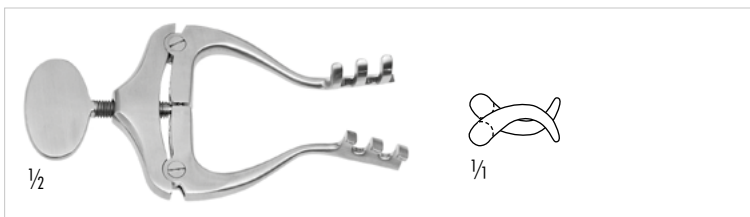
170-780-165 linkes Blatt voll, rechts 3 Zähne  
left blade full, right side 3 prongs  
170-781-165 rechtes Blatt voll, links 3 Zähne  
right blade full, left side 3 prongs

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

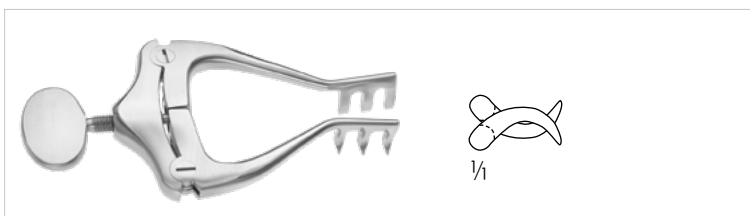


170-783-165 links volles Blatt, rechts 3 Zähne  
left side full blade, right 3 prongs  
170-784-165 rechtes volles Blatt, links 3 Zähne  
right side full blade, left 3 prongs

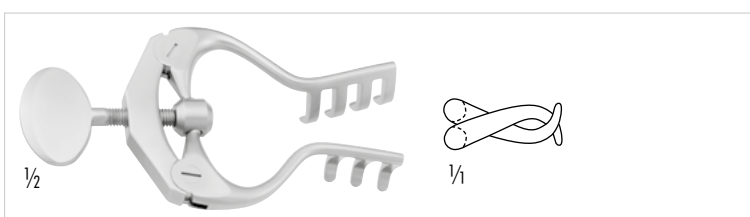
**HOUSE**  
Wundsperrerr mit Gelenk, 165mm  
Retractor with hinge, 6<sup>1/2</sup>inch



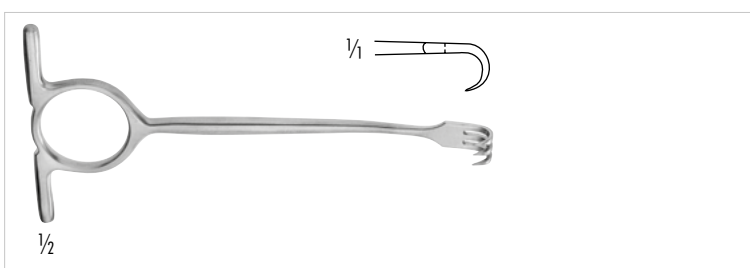
170-723-100  
**JANSEN**  
Wundsperrerr, stumpf, 3 x 3 Zähne, 100 mm  
Mastoid retractor, blunt, 3 x 3 prongs, 4 inch



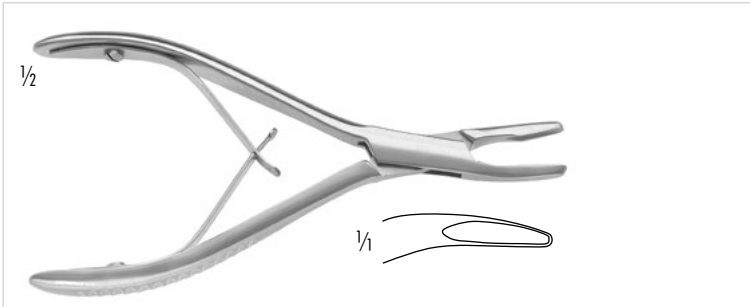
170-720-100  
**JANSEN**  
Wundsperrerr, scharf, 3 x 3 Zähne, 100 mm  
Mastoid retractor, sharp 3 x 3 prongs, 4 inch



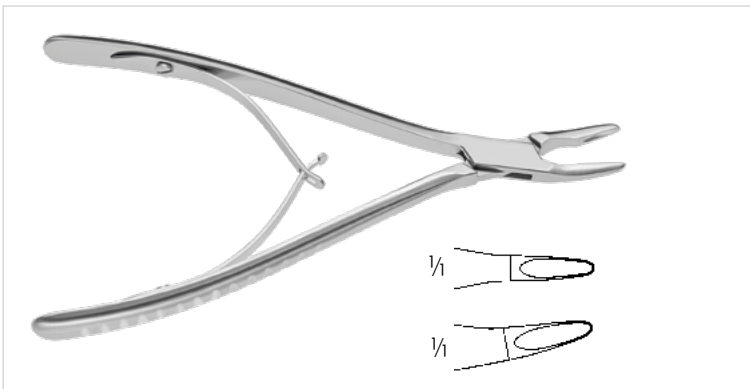
170-723-105  
**JANSEN**  
Wundsperrerr, stumpf, 3 x 4 Zähne, 100 mm  
Mastoid retractor, blunt 3 x 4 prongs, 4 inch



170-234-120 gerade / straight  
170-235-120 links gebogen / left curved  
**WILLIGER**  
Wundhaken, scharf, 120 mm  
Wound retractor, sharp, 4 3/4 inch

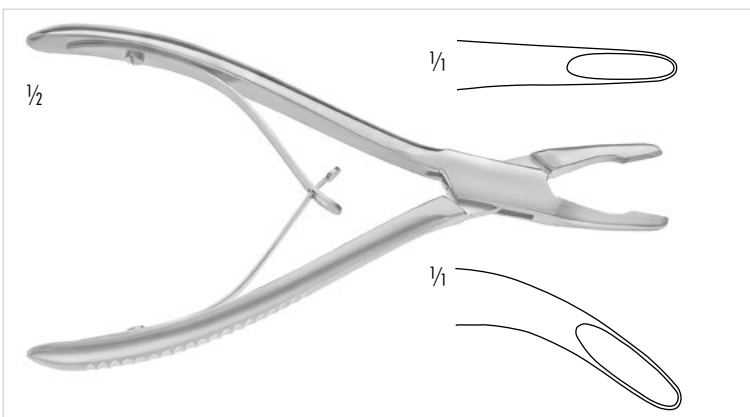


**210-640-140**  
**LUER-FRIEDMANN**  
 Hohlmeisselzange, leicht gebogen, 145 mm  
 Bone Rongeur, slightly curved, 5 3/4 inch



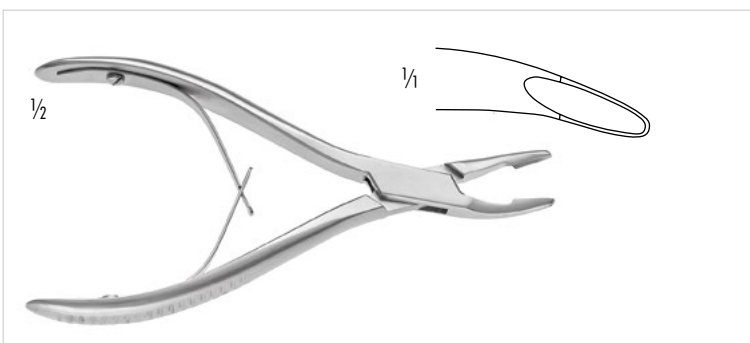
**210-832-185**  
**LEMPERT**  
 Hohlmeisselzange, gerade, 200 mm  
 Bone Rongeur, straight, 8 inch

**210-833-185**  
**LEMPERT**  
 Hohlmeisselzange, gebogen, 200 mm  
 Bone Rongeur, curved, 8 inch

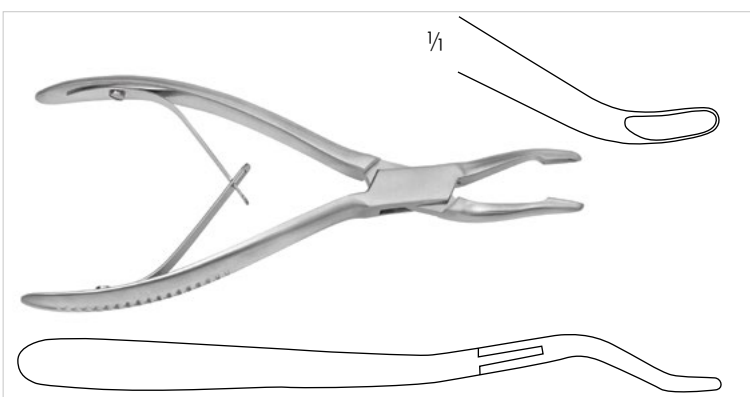


**210-826-180**  
**JANSEN**  
 Hohlmeisselzange, gerade, 175 mm  
 Bone Rongeur, straight, 7 inch

**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

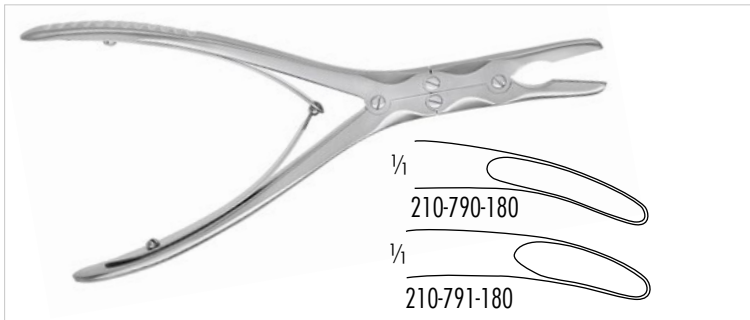




210-789-150

**BOEHLER**

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



210-790-180

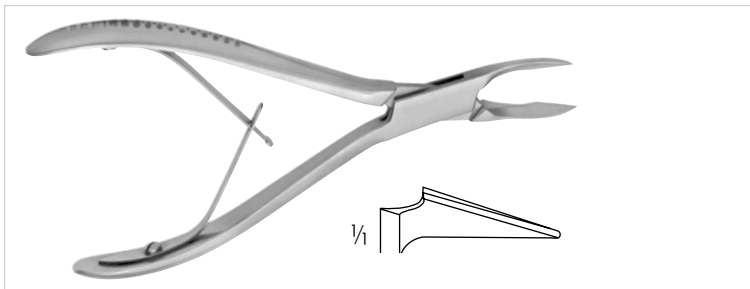
**BEYER**

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

210-791-180

**ZAUFAL-JANSEN**

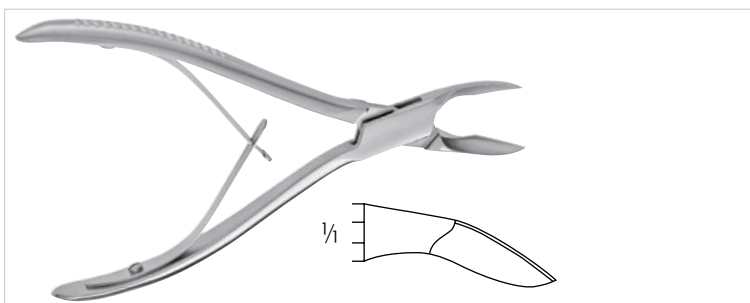
Hohlmeisselzange, gebogen, übersetzt, 180 mm  
Bone Rongeur, curved, double action, 7 inch



210-846-150

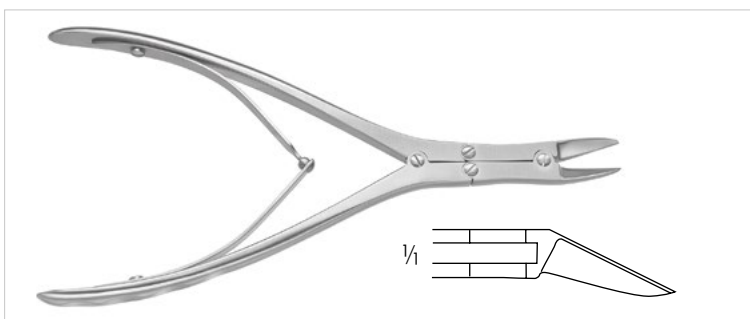
**STAMM**

Knochensplitterzange, 150 mm  
Bone cutting forceps, 6 inch



210-845-170

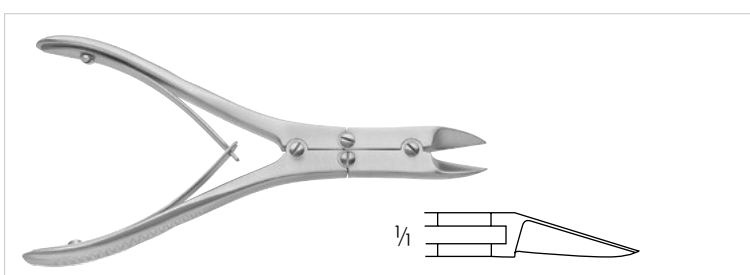
Knochenschneidezange, aufgebogen, 170 mm  
Bone cutting forceps, curved on flat, 6 3/4 inch



210-880-175

**MC INDOE**

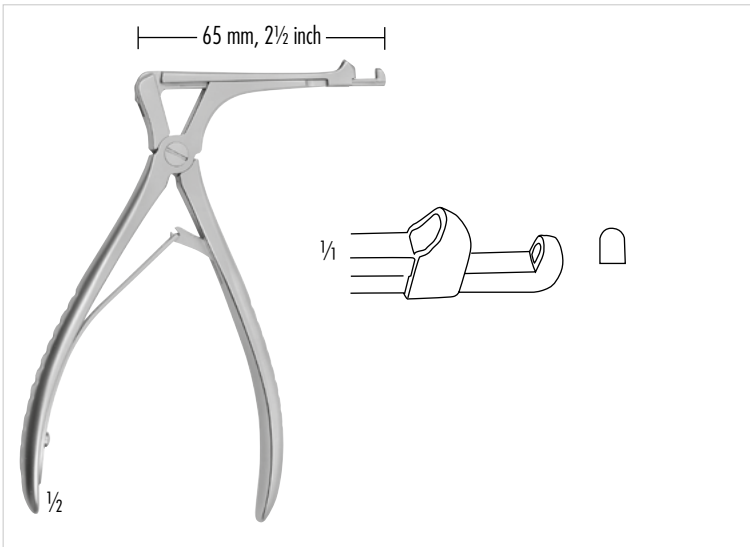
Knochensplitterzange, abgewinkelt, übersetzt, 175 mm  
Bone cutting forceps, angled on flat, double action, 7 inch



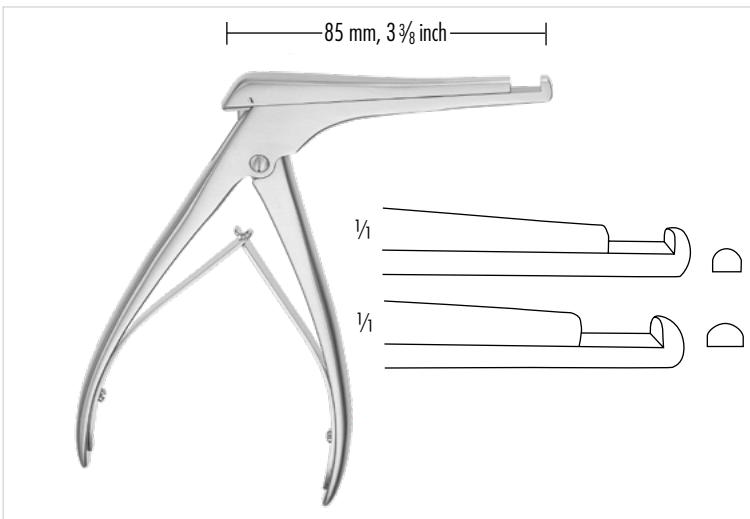
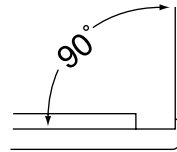
210-890-150

**BOEHLER**

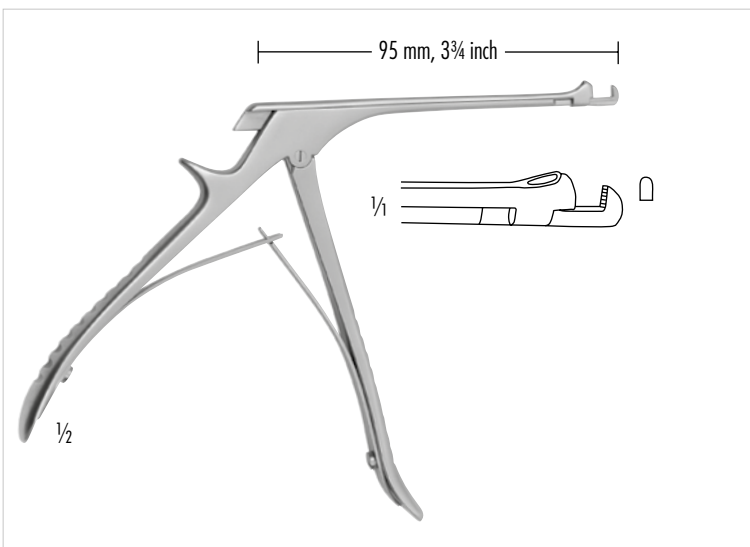
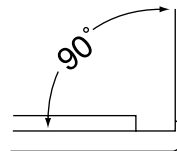
Knochenschneidezange, abgewinkelt, übersetzt, 145 mm  
Bone cutting forceps, angled on flat, double action, 5 3/4 inch



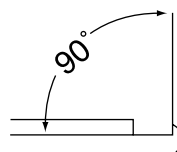
410-241-035  
**CITELLI**  
 Knochenstanze, durchschneidend, 2,0 mm  
 Bone Punch, through cutting, 2.0 mm

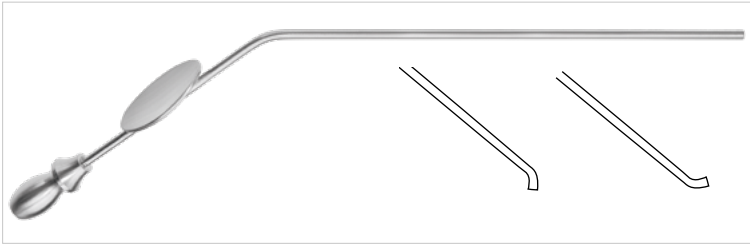


410-245-001 4 mm  
 410-245-002 5 mm  
**KERRISON**  
 Knochenstanze  
 Bone Punch



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

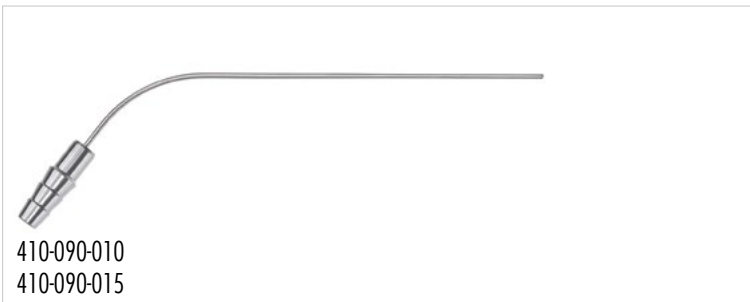
410-134-120 dito, nach oben  
same, curved up

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  
410-090-015

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



410-150-015 - 410-150-020

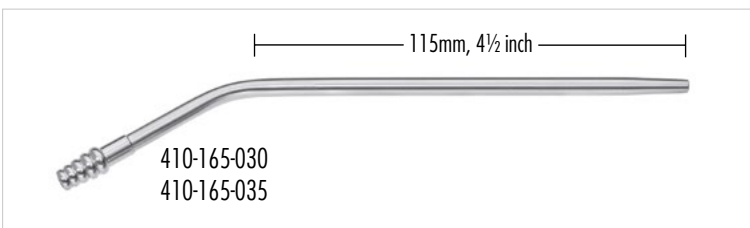
50mm, 2 inch

**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

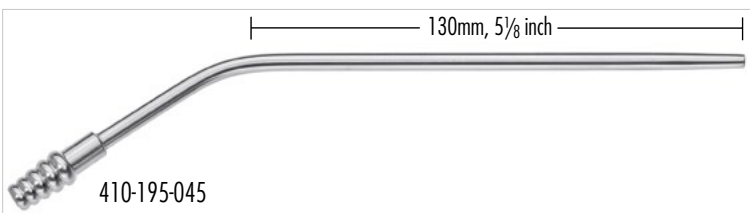


410-165-030  
410-165-035

115mm, 4½ inch

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

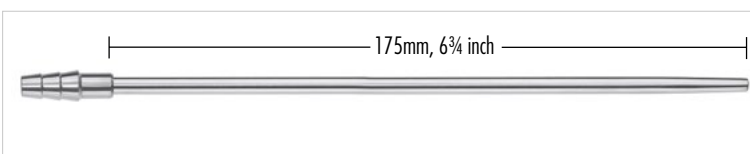
410-165-035 dito, 3,5 mm  
same, 3.5 mm



410-195-045

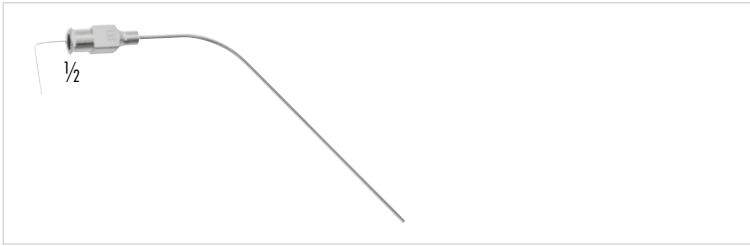
130mm, 5⅞ inch

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



175mm, 6¾ inch

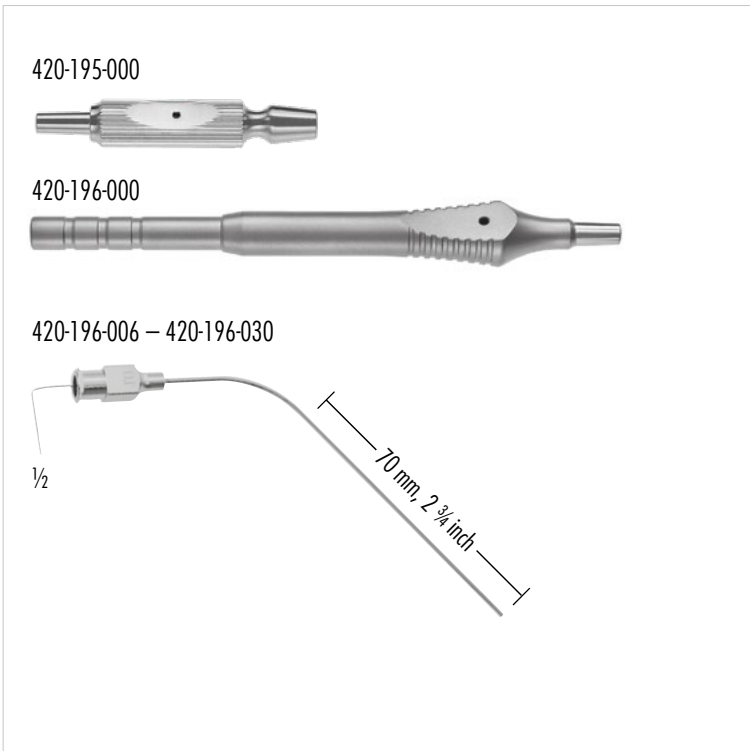
410-225-003 Saugrohr, biegsam, 225 mm, Ø 3mm, Luer  
Suction tube, malleable, 225 mm, Ø 3mm, Luer



- 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, 51 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, 2 Stück  
Suction cannulas with Luer-lock, 2 pieces per package

420-196-006 Ø 0.6 mm

420-196-008 Ø 0.8 mm

420-196-010 Ø 1.0 mm

420-196-012 Ø 1.2 mm

420-196-015 Ø 1.5 mm

420-196-018 Ø 1.8 mm

420-196-020 Ø 2.0 mm

420-196-022 Ø 2.2 mm

420-196-025 Ø 2.5 mm

420-196-030 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**

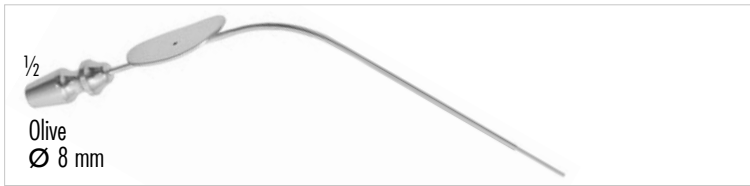
Auswechselbare Spitzen, Bestelleinheit: PZ = Packung á 10 Stück  
Detachable suction tips, Sales unit: PZ = Package of 10 pieces



**410-135-000**

**WULLSTEIN**

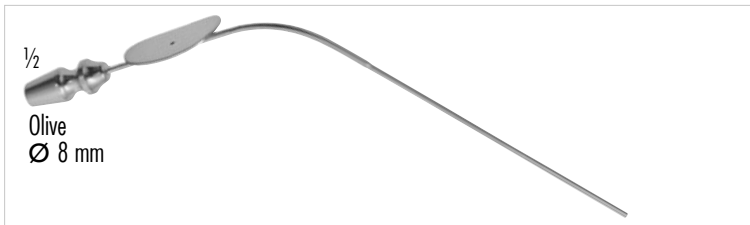
Saughandgriff, mit Fingerunterbrecher, 140 mm  
Suction handle, with finger-cut-off, 5 1/2 inch



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

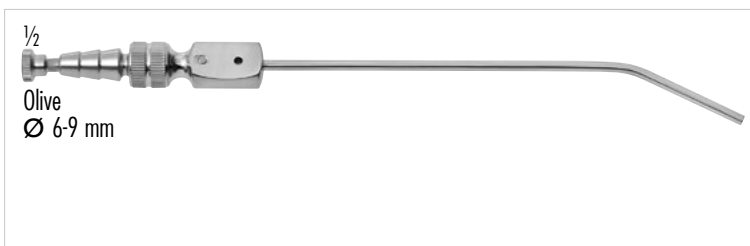
Saugkanüle mit Saugunterbrecher und Mandrin  
Suction cannula with finger cut-off and stylet



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

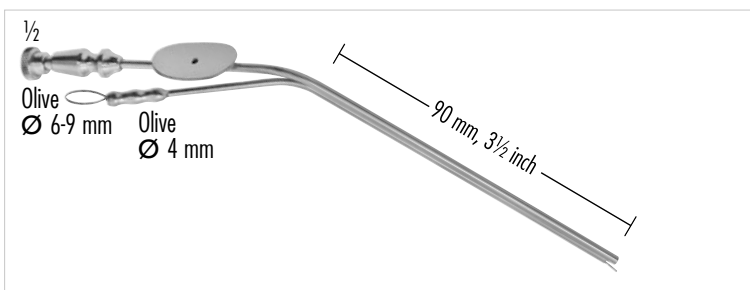
Saugkanüle mit Saugunterbrecher und Mandrin,  
Griffplatte mit LUER-Bohrung  
Suction cannula with finger cut-off and stylet,  
thumb piece with LUER hub



165-725-008	Ø 2,5 mm
165-725-010	Ø 3,0 mm
165-725-012	Ø 4,0 mm
165-725-015	Ø 5,0 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, Spühlrohr Ø 0,7 mm suction tube Ø 0.9 mm, irrigation tube Ø 0.7 mm
252-140-004	Saugrohr Ø 1,2 mm, Spühlrohr Ø 0,9 mm suction tube Ø 1.2 mm, irrigation tube Ø 0.9 mm
252-140-005	Saugrohr Ø 1,5 mm, Spühlrohr 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



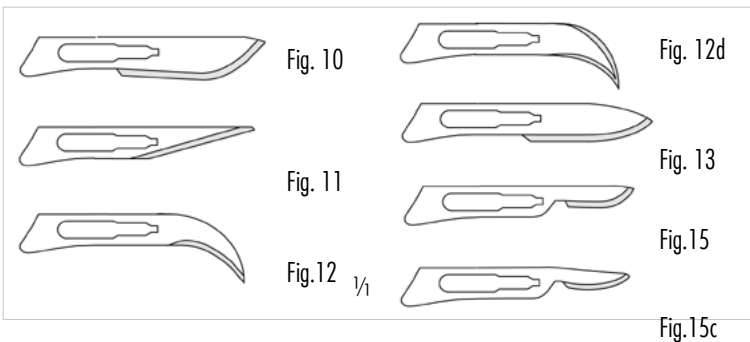
110-114-003  
Skalpell Griff Nr. 3, graduiert, 130 mm  
Scalpel Handle No. 3, graduated, 5 1/8 inch



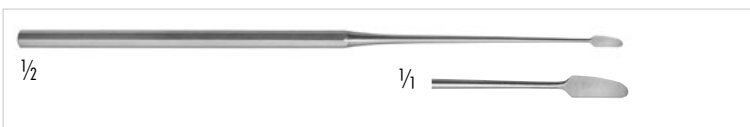
110-130-077  
Skalpell Griff Nr. 7, 165 mm  
Scalpel Handle No. 7, 6 1/2 inch



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



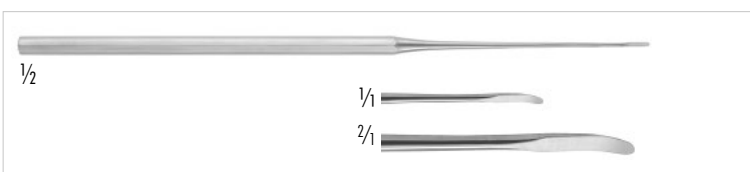
110-201-010 Fig.10  
110-201-011 Fig.11  
110-201-012 Fig.12  
110-201-112 Fig.12d  
110-201-013 Fig.13  
110-201-015 Fig.15  
110-201-115 Fig.15c  
Skalpellklingen Fig. 15, steril, PA à 100 Stück  
Scalpel blades Fig. 15, sterile, PA = 100 pieces



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



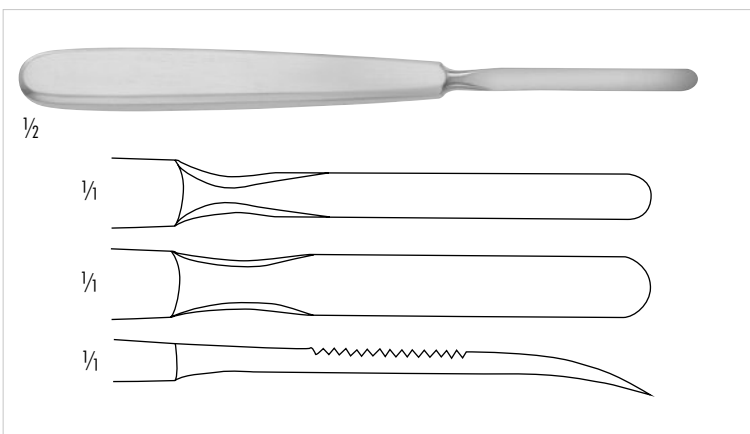
410-328-165  
**BEALES**  
Raspatorium, 165 mm  
Raspatory, 6 1/2 inch



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**

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



120-057-140

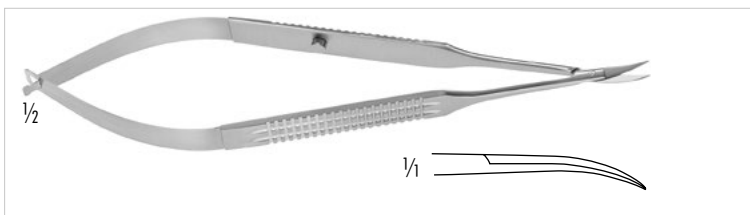
**SANVENERO**

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

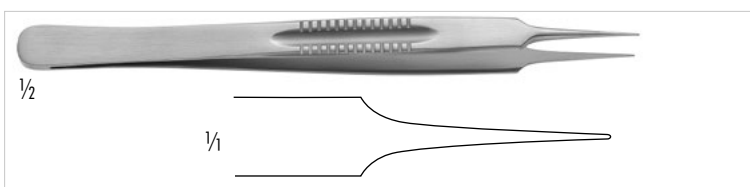
**MILLESI**

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



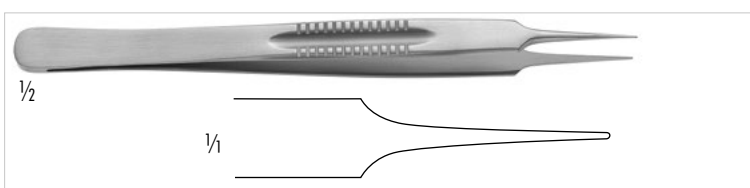
250-064-079

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



130-145-125 125 mm / 5 inch  
130-145-150 150 mm / 6 inch

**SEMKEN**  
Chirurgische Pinzette, 1 x 2 Zähne,  
Tissue forceps, 1 x 2 teeth, 5 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

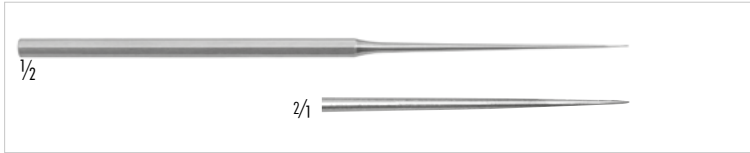


130-500-100  
**GRAEFE**  
Feine anatomische Pinzette, gerade, 100 mm  
Delicate dressing forceps, straight, 4 inch

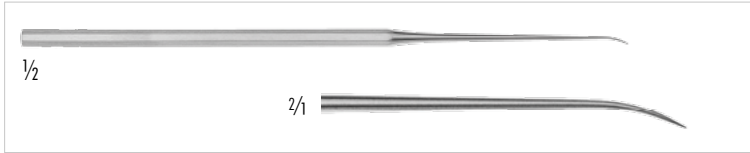


130-501-100  
**GRAEFE**  
Feine anatomische Pinzette, gebogen, 100 mm  
Delicate dressing forceps, curved, 4 inch

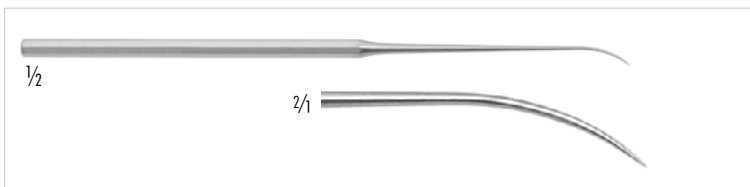




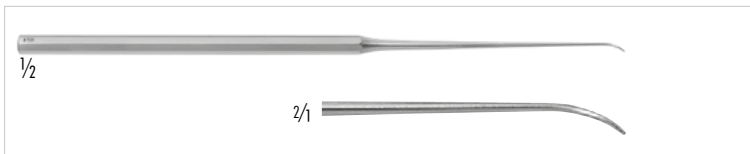
410-110-155 spitz/pointed  
 410-110-160 stumpf/blunt  
**BARBARA**  
 Mikro- Nadel (Perforator), gerade, 160 mm  
 Micro Needle (perforator), straight, sharp point, 6 1/4 inch



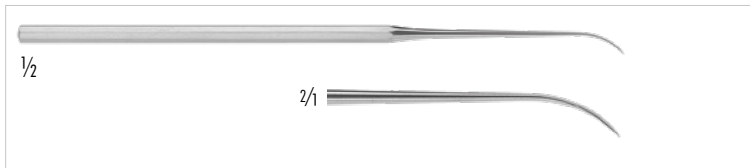
410-111-155  
**WULLSTEIN**  
 Mikro- Nadel (Perforator), leicht gebogen, 160 mm  
 Micro Needle (perforator), slightly curved, sharp point, 6 1/4 inch



410-112-155  
**BARBARA**  
 Mikro-Nadel (Perforator), leicht, lange Biegung, 160 mm  
 Micro Needle (perforator), slightly, long curvature, 6 1/4 inch



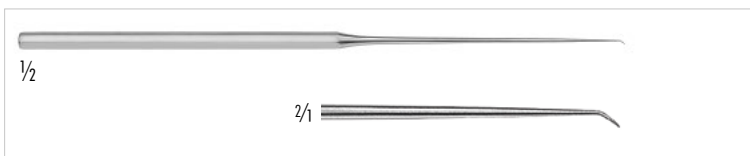
410-114-155  
**BARBARA**  
 Mikro-Nadel (Perforator), stark gebogen, 160 mm  
 Micro Needle (perforator), acute curved, sharp point, 6 1/4 inch



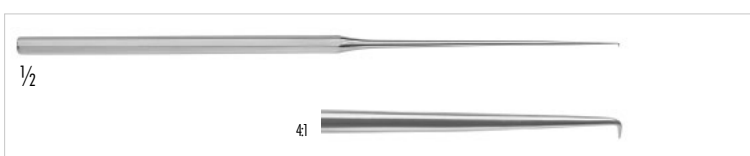
410-116-155  
**ROSEN**  
 Mikro-Häkchen, stark lang gebogen, 160 mm  
 Micro Hook, acute long curvature, 6 1/4 inch



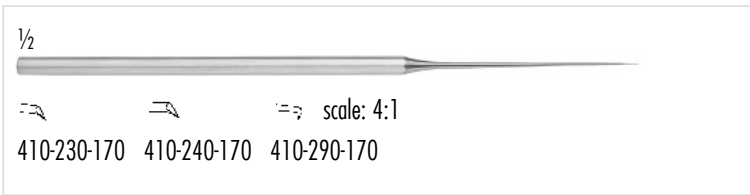
410-115-003 0,3 mm  
 410-115-006 0,6 mm  
 410-115-010 1,0 mm  
**SHAMBOUGH**  
 Mikro-Häkchen, 25° abgewinkelt, 160 mm  
 Micro Hook, 25° angled, 6 1/4 inch



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



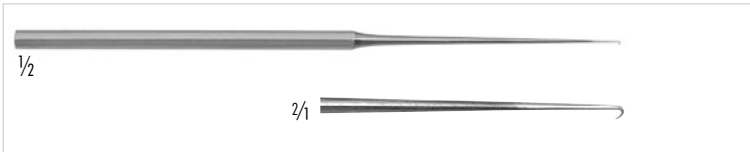
410-210-002 0,2 mm      410-210-003 0,3 mm  
 410-210-004 0,4 mm      410-210-006 0,6 mm  
 410-210-008 0,8 mm      410-210-010 1,0 mm  
 410-210-012 1,2 mm      410-210-015 1,5 mm  
 410-210-020 2,0 mm      410-210-025 2,5 mm  
**SHAMBOUGH**  
 Mikro-Häkchen, 90° abgewinkelt, 160 mm  
 Micro Hook, 90° 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</sup>/<sub>4</sub> inch



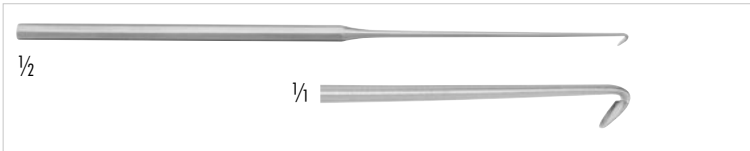
410-119-010 1,0 mm  
410-119-011 2,5 mm  
Mikro-Häkchen, retrograd gebogen, 160 mm  
Micro hook, reverse curved, 6 1/4 inch



410-119-110

### BLOCH

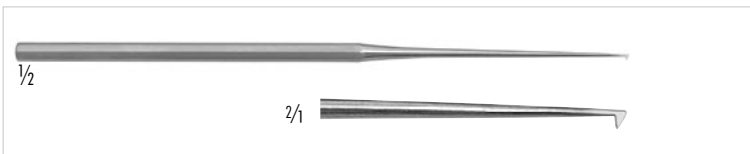
Ohrstopfer, 110 mm  
Aural plugger, 4 1/3 inch



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

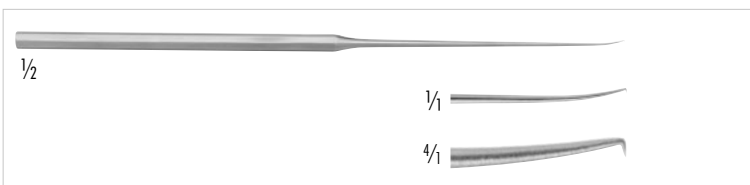
Häkchen, retrograd schneidend, 160 mm  
Hook, reverse cutting, 6 1/4 inch



410-216-004 0,4 mm

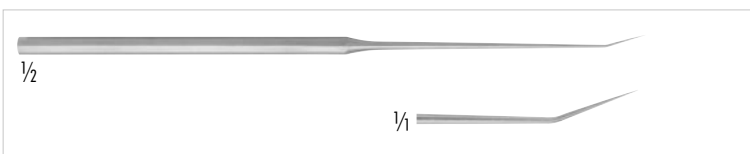
### PLESTER

Fußplatten-Häkchen, 90° abgewinkelt, oval, stumpf, 160 mm  
Footplate hook, 90° angled, oval, blunt, 6 1/4 inch



410-216-007

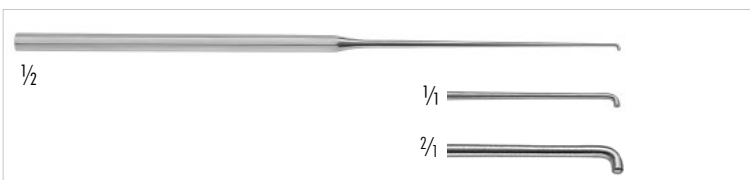
Mikro-Häkchen, leicht abgewinkelte Spitze, 160 mm  
Mikro Hook, slightly angled at tip, 6 1/4 inch



410-216-008

### BEALE

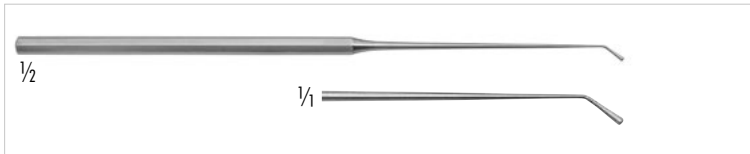
Mikro-Ohrhäkchen, nach oben abgewinkelt, 160 mm  
Footplate Hook, angled upwards for removal of footplate, 6 1/4 inch



410-216-009

### PLESTER

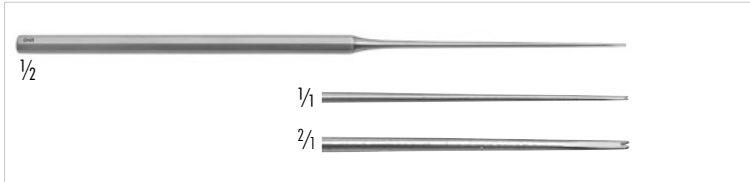
Antrumhäkchen, 90° abgewinkelt, zylindrisch, 160 mm  
Antrum hook, 90° angled, cylindrical, 6 1/4 inch



410-216-045

**PLESTER**

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



410-216-160

**PLESTER**

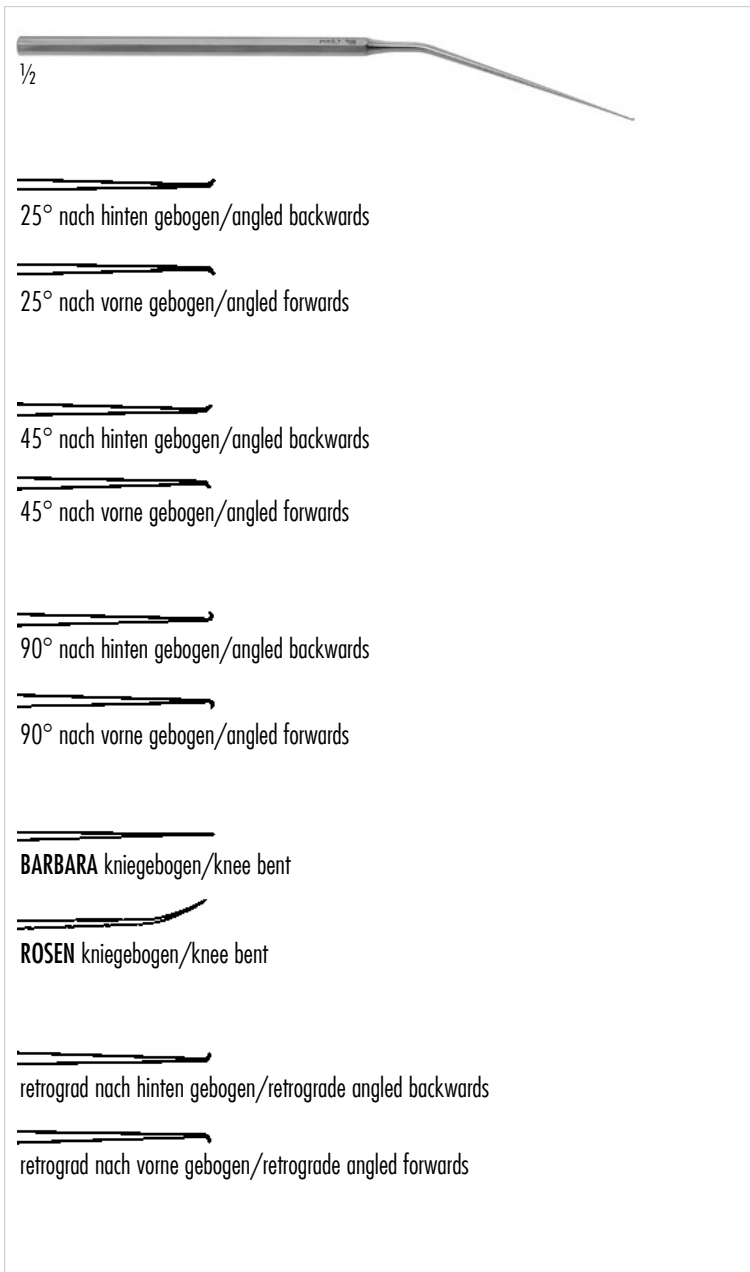
Applikationsinstrument (Führungsgabel, Stapesreiter) für  
Stapesprothesen mit Drahtschlinge, (Arbeitsende flach), 160 mm  
Wire guide and applicator for stapesprosthesis,  
flat end with V-notch, 6 1/4 inch



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

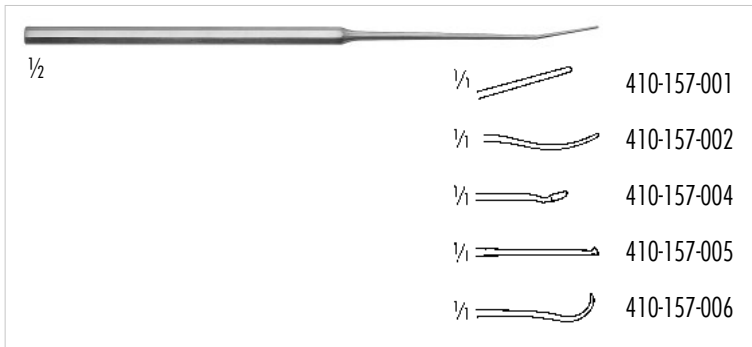
410-216-003 0,3 mm  
410-216-005 0,6 mm  
410-216-010 1,0 mm

90° nach vorne gebogen  
/angled forwards

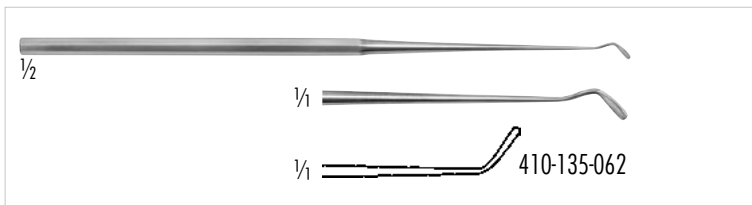
410-116-103 0,3 mm  
410-116-105 0,6 mm  
410-116-110 1,0 mm

**HOUGH**

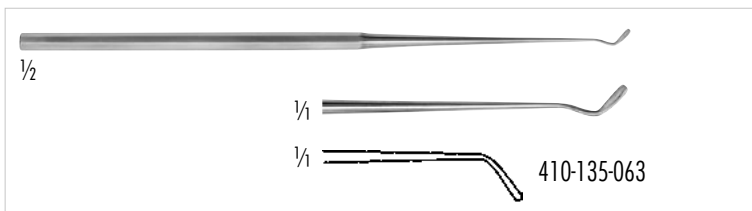
Mikro Häkchen, 160 mm  
Micro hook, 6 1/4 inch



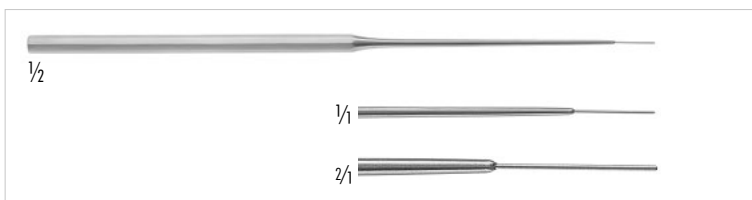
- 410-157-001 Elevatorium/Elevator 1,0 mm
  - 410-157-002 Raspatorium/Raspatory 1,0 mm
  - 410-157-003 Raspatorium/Raspatory 1,2 mm
  - 410-157-004 Löffel/Spoon
  - 410-157-005 Haken retrograd scheidend, 0,6 mm  
Hook retrograde cutting, 0.6 mm
  - 410-157-006 Raspatorium/Raspatory 1,8 mm
- AUSTIN**  
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



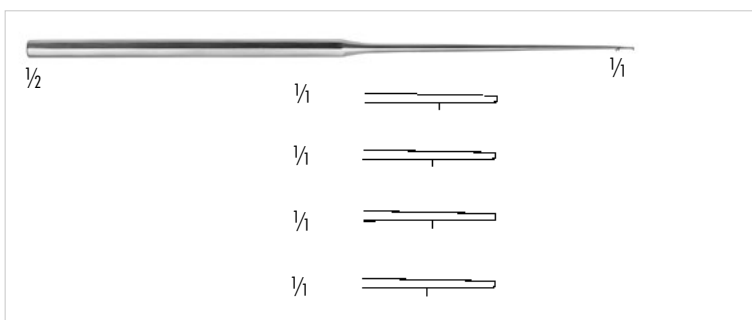
- 410-135-061 doppelt gebogen rechts  
double curved rechts
  - 410-135-063 einfach gebogen rechts  
single curved rechts
- Trommelfell Exkavator, schmal, 160 mm  
Tympanum Excavator, narrow, 6 1/4 inch



- 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



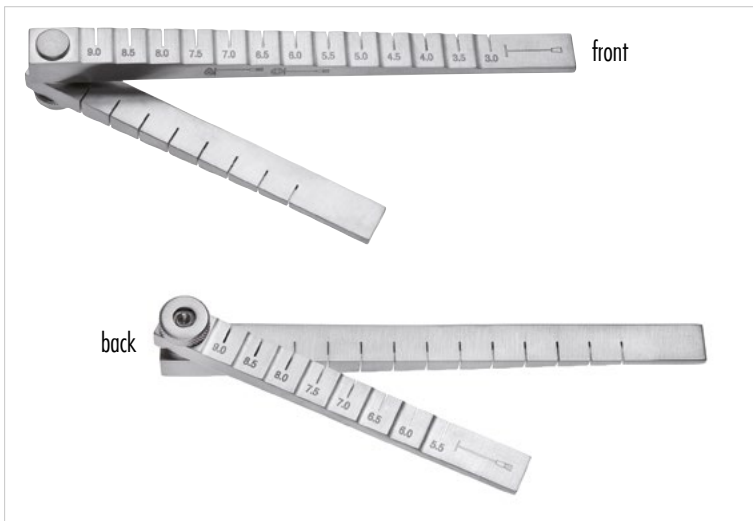
- 410-137-013 0,3 mm
  - 410-137-014 0,4 mm
  - 410-137-015 0,5 mm
  - 410-137-016 0,6 mm
- Perforator, 165 mm  
Perforator, 6 1/2 inch



- 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



410-143-000 92 x 54 mm  
 Präpariertablett 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 stapedia footplate

410-144-007 0,7 mm

Hohlmeissel, sehr fein  
Gouge, very delicate



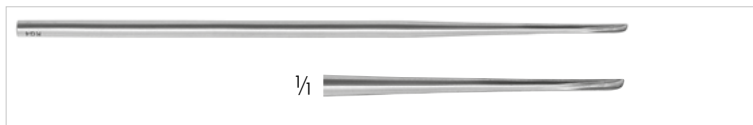
410-144-010 1,0 mm

Hohlmeissel für Fensterung  
Gouge for fenestration



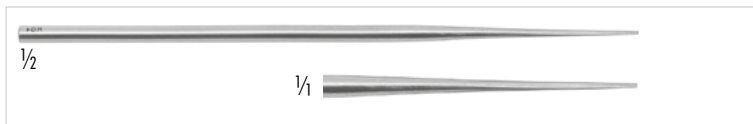
410-144-015 1,5 mm

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 3/4 inch



410-145-000

**SCHUKNECHT**

Biegergerät 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

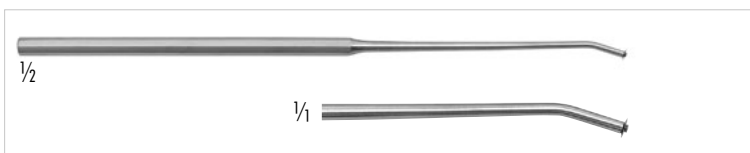


410-044-150

**HOUSE-STAPES**

Kürette, doppelendig, 2,2 x 3,0mm, 2,5 x 3,2mm, 30° abgewinkelt, 170mm

Curette, double ended, 2.2 x 3.0mm, 2.5 x 3.2mm, 30° angled, 6 2/3 inch

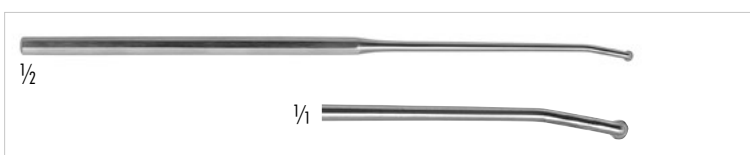


410-089-001

**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

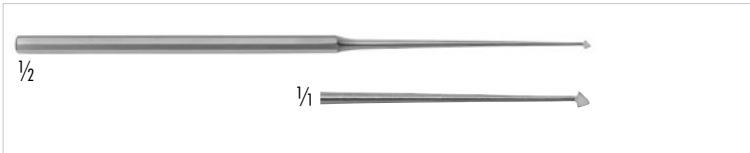


410-089-002

**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

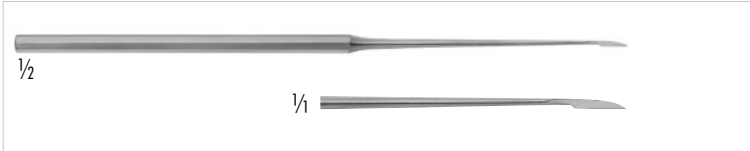


410-093-160

**ROSEN**

Lanzettenmesser, 160 mm

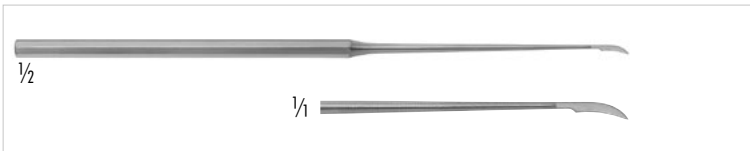
Knife and elevator, spear pointed blade, 6 1/4 inch



410-100-160

Diszisionsmesser, gerades Blatt, 160 mm

Footplate knife, straight blade, 6 1/4 inch

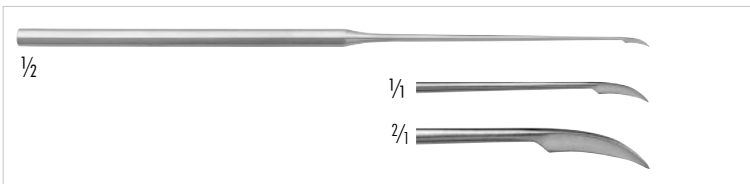


410-101-160

**PLESTER**

Sichelmesser, leicht gebogenes Blatt, 160 mm

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

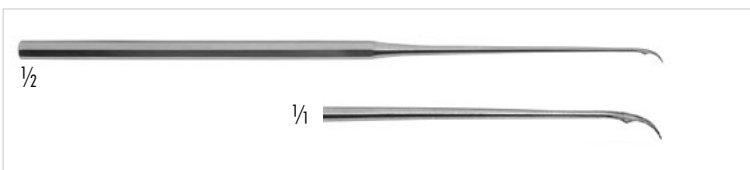


410-103-160

**THORBURN**

Sichelmesser, gebogenes Blatt, 165 mm

Sickle knife, curved blade, 6 1/2 inch

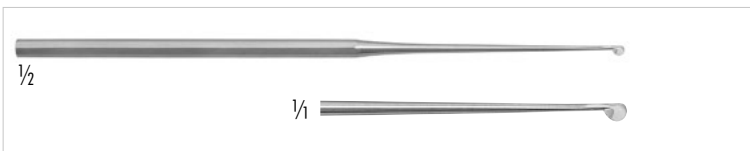


410-109-170

**BEALES**

Sehnenmesser, 170 mm

Tendon knife, 6 3/4 inch

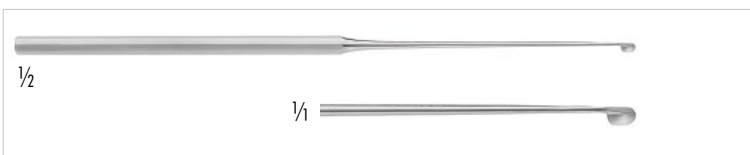


410-124-160 2,4 mm x 3 mm

**PLESTER**

Lappenmesser, rundum schneidend, 160 mm

Flap knife, round cutting, 6 1/4 inch

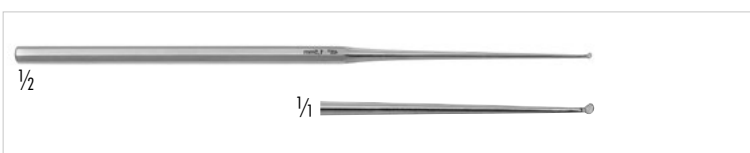


410-092-001 2,4 mm x 3,5 mm

**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





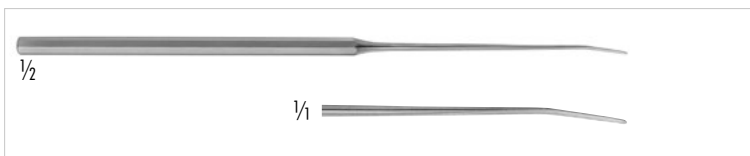
- 410-119-015 Ø 1,5 mm  
 410-119-020 Ø 2,0 mm  
 410-119-025 Ø 2,5 mm  
 410-119-030 Ø 3,0 mm

**ROSEN**

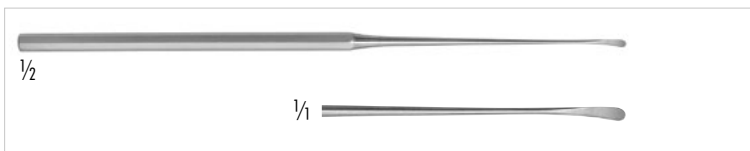
Rundschnittmesser, 90° abgewinkelt, 160 mm  
 Round cutting knife, 90° angled, 6 ¼ inch



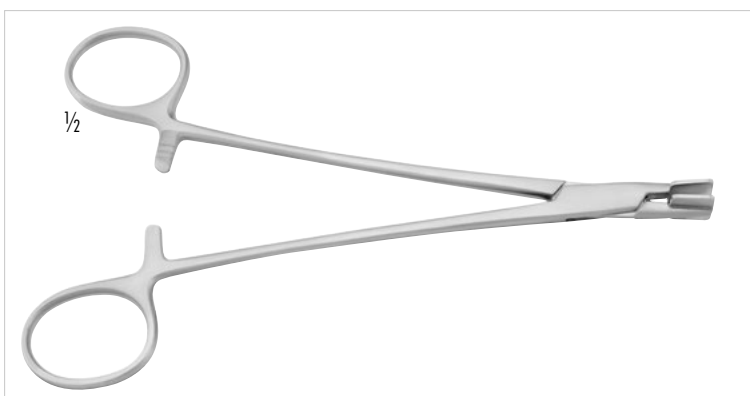
- 410-135-048 2 mm breit / wide  
 Transplantat-Träger und Raspatorium, 160 mm  
 Graft holder and elevator, for lifting drum forward, 6 ¼ inch



- 410-135-050 1 mm breit / wide  
 Stapes-Elevatorium, leicht abgewinkelt, 160 mm  
 Stapes Elevator for lifting drum forward, slightly angled, 6 ¼ inch

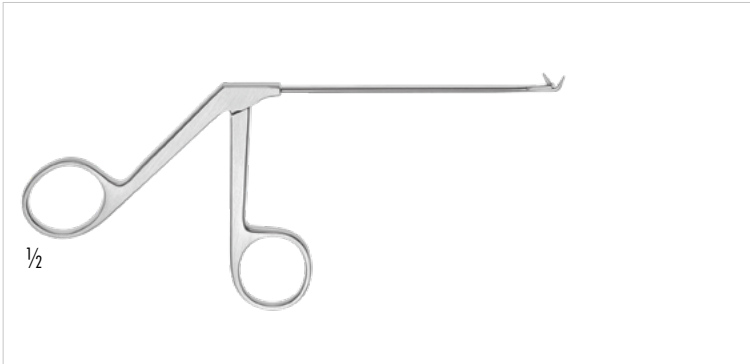


- 410-135-051 1,8 mm breit / wide  
 Raspatorium, Spitze rund, zum Ablösen von weichem Gewebe,  
 leicht aufgebogen, 160 mm  
 Elevator, round edge, slightly curved, for dissection of soft  
 tissue, 6 ¼ inch

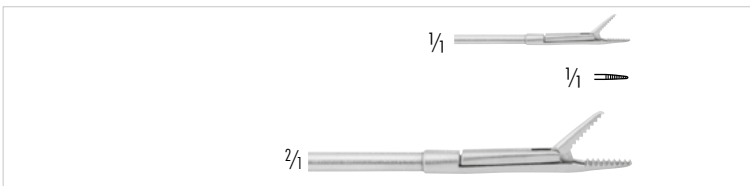


- 410-154-130 12x15mm Blatt, 130 mm  
 12x15mm plates, 5 ⅛ inch  
 410-154-180 11x14 mm Blatt, 180 mm  
 11x14 mm plates, 7 inch  
 410-155-180 30x30mm Blatt, 180 mm  
 30x30mm plates, 7 inch  
 410-156-180 22x30mm Blatt, 180 mm  
 22x30mm plates, 7 inch

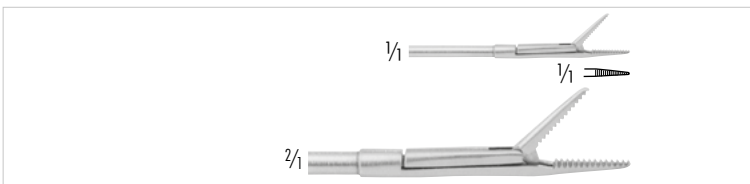
Implantate Presszange, glattes rechteckiges Maul  
 Vein graft, press forceps, smooth square jaws,



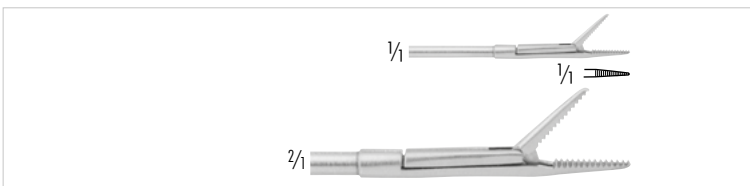
410-330-000 - 410-339-000  
 Mikro Faßzängchen, **Rohrschaft**  
 80mm Arbeitslänge  
 Micro aural forceps with **tubular shaft**  
 80mm working length



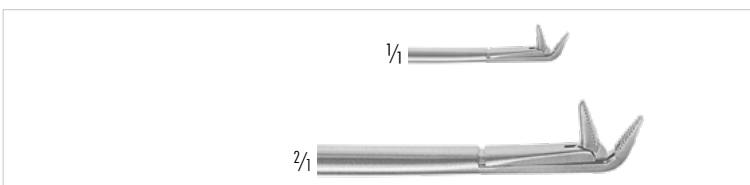
410-330-000 0,8 x 3,5 mm  
 gerade  
 straight



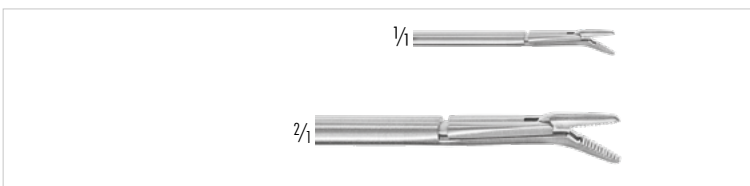
410-335-000 1 x 5 mm  
 gerade  
 straight



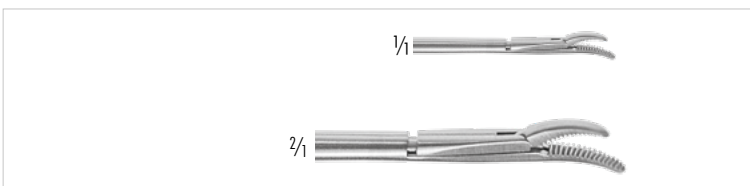
410-321-000 1,5 x 6,0 mm  
 gerade  
 straight



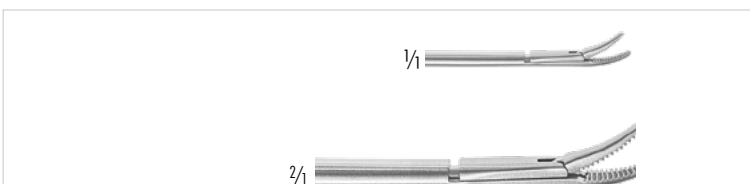
410-330-200 0,8 x 3,5 mm  
 65° nach oben gebogen  
 curved up 65°



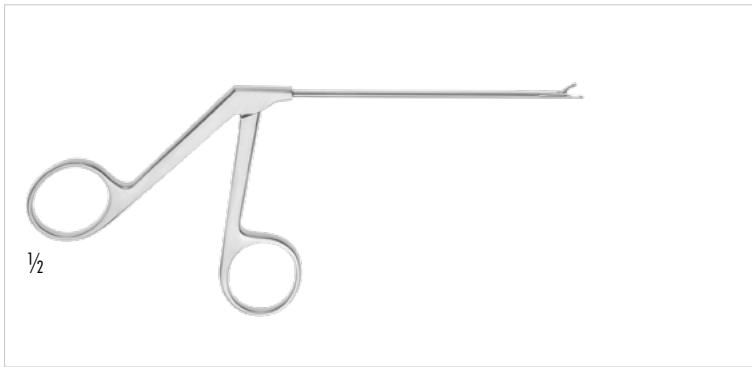
410-332-000 0,8 x 3,5 mm  
 45° nach unten gebogen  
 curved down 45°



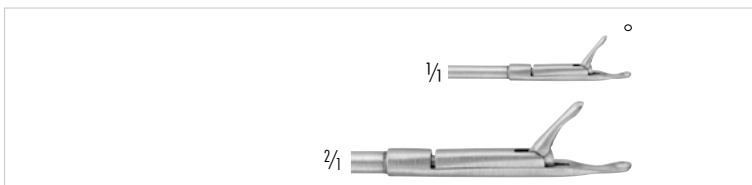
410-339-000 1 x 5 mm  
 rechts gebogen  
 curved to the right



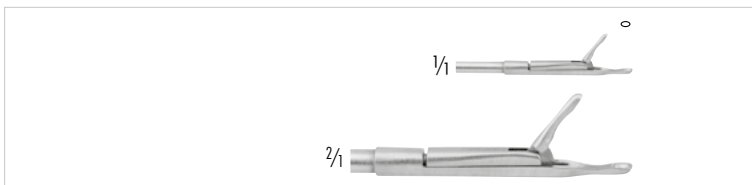
410-338-000 1 x 5 mm  
 links gebogen  
 curved to the left



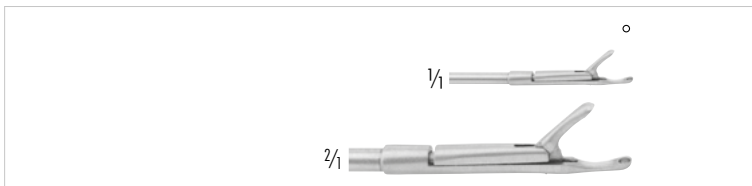
410-341-000 - 410-348-000  
Mikro-Löffelzängchen, Rohrschaft  
80mm Arbeitslänge  
Micro cupped forceps with tubular shaft  
80mm working length



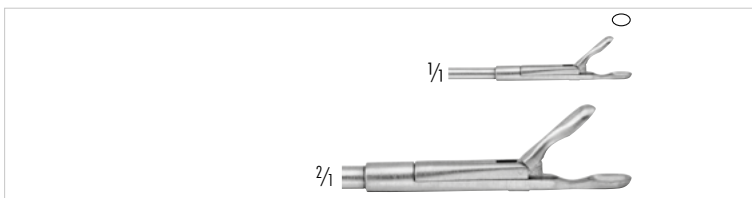
410-341-000 0,9 x 1,0 mm  
gerade, Löffel oval  
straight, oval cup



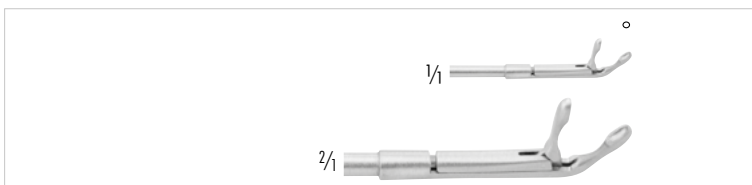
410-345-000 0,8 x 1,3 mm  
**WULLSTEIN**  
gerade, Löffel oval  
straight, oval cup



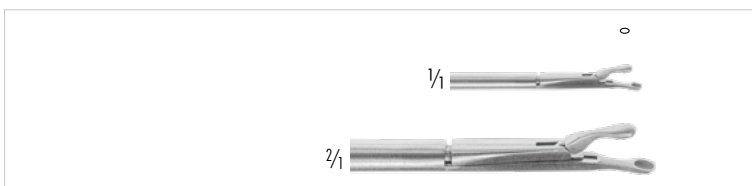
410-346-000 Ø 1,0 mm  
**WULLSTEIN**  
gerade, Löffel rund  
straight, round cup



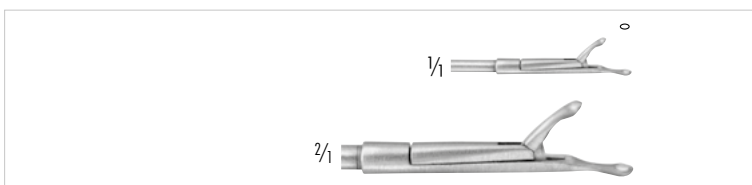
410-348-000 1,7 x 2,5 mm  
**WULLSTEIN**  
gerade, Löffel oval  
straight, oval cup



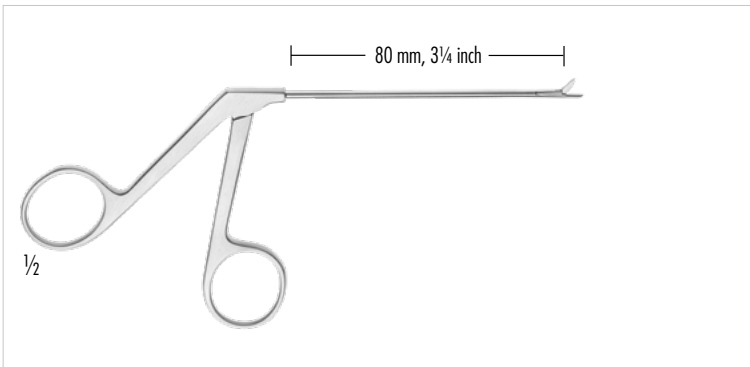
410-342-000 0,9 x 1,0 mm  
gebogen, Löffel oval  
curved up, oval cup



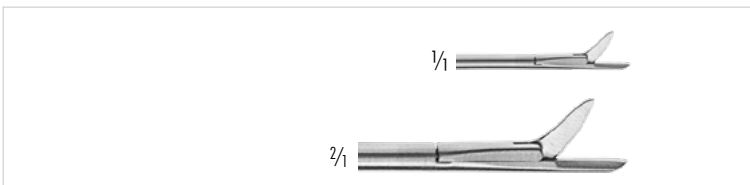
410-343-000 0,8 x 1,3 mm  
**WULLSTEIN**  
links gebogen, Löffel oval  
curved to the left, oval cup



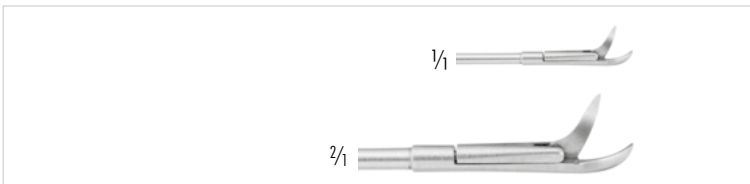
410-344-000 0,8 x 1,3 mm  
**WULLSTEIN**  
rechts gebogen, Löffel oval  
curved to the right, oval cup



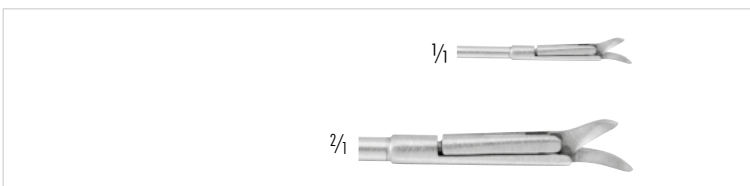
410-350-000 - 410-360-000  
 Mikro-Scherchen, Mikro-Stanzen,  
 Mikro-Drahtbiegezängchen, **Rohrschaft**  
 Micro scissors with, micro punches,  
 micro wire bending forceps, **tubular shaft**



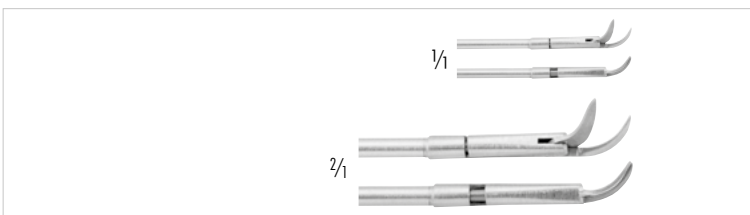
410-350-000 5mm  
**BELLUCCI**  
 Mikro-Scherchen, gerade, spitz/spitz  
 Micro scissors, straight, sharp/sharp



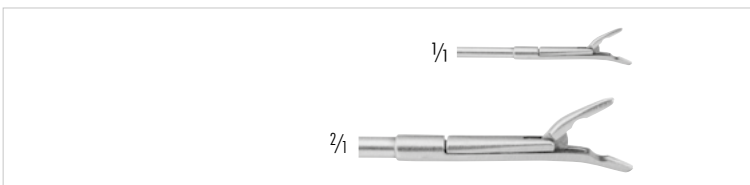
410-352-000 5mm  
**BELLUCCI**  
 Mikro-Scherchen, nach links gebogen, spitz/spitz  
 Micro scissors, curved to the left, sharp/sharp



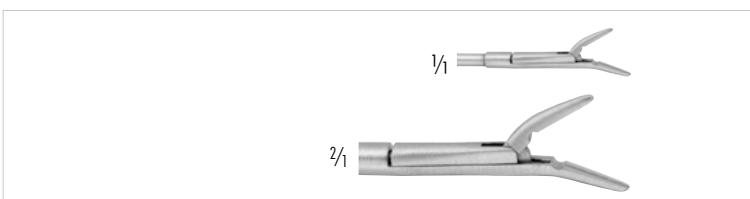
410-353-000 5mm  
**BELLUCCI**  
 Mikro-Scherchen, nach rechts gebogen, spitz/spitz  
 Micro scissors, curved to the right, sharp/sharp



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 Schiebescraft, 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

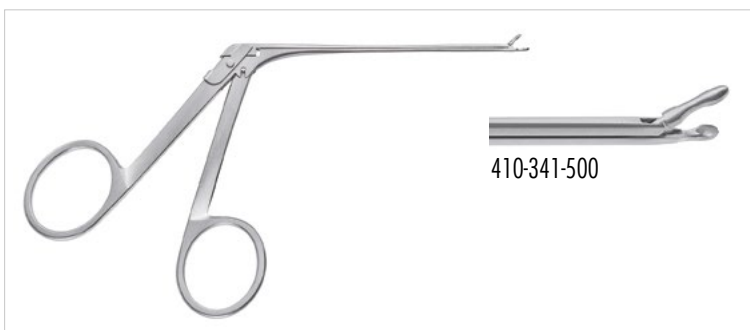
**JUERS**

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

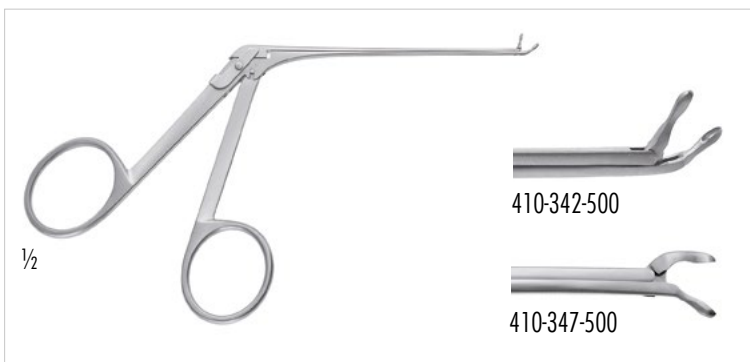
410-335-700 4,5 mm langes Maulteil/4.5 mm long jaw  
glatt/smoothAlligator Ohrzängchen, superfein, 0,8 mm breit,  
Arbeitslänge: 80mmAlligator Ear Forceps, extra fine, 0.8 mm wide,  
Working length: 3 1/8 inch

410-341-500 gerade/straight

410-343-500 links/left curved

410-344-500 rechts/right curved

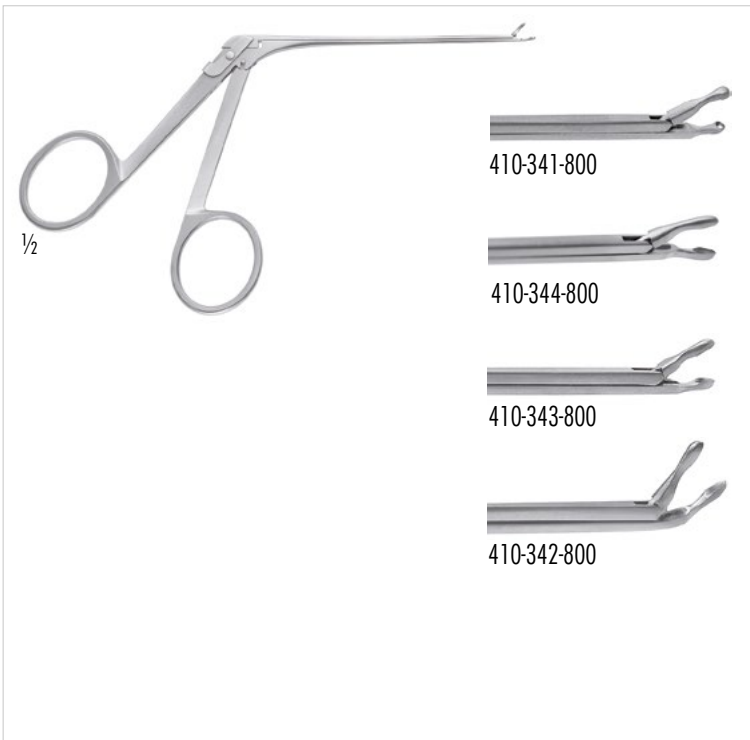
Ohrzängchen ovaler Löffel, 0,9 mm breit  
feines Modell, 4,5 mm Maullänge, Arbeitslänge: 80 mm  
Ear Forceps with oval cups, 0.9 mm wide  
fine model, 4.5 mm jaw length, Working length: 3 1/8 inch



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



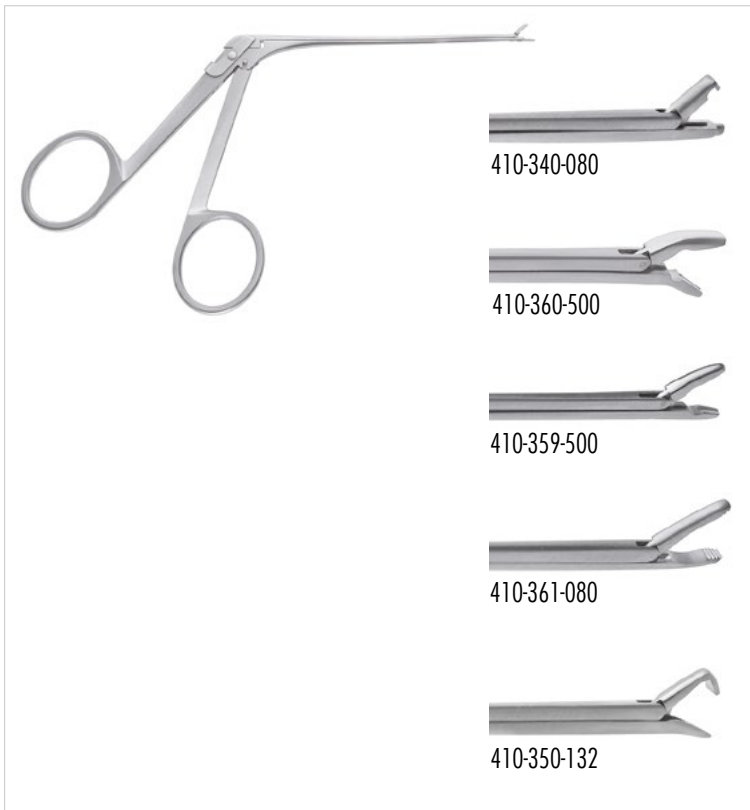
- 410-365-080 45° links/45° left
- 410-366-080 45° rechts/45° rechts

**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

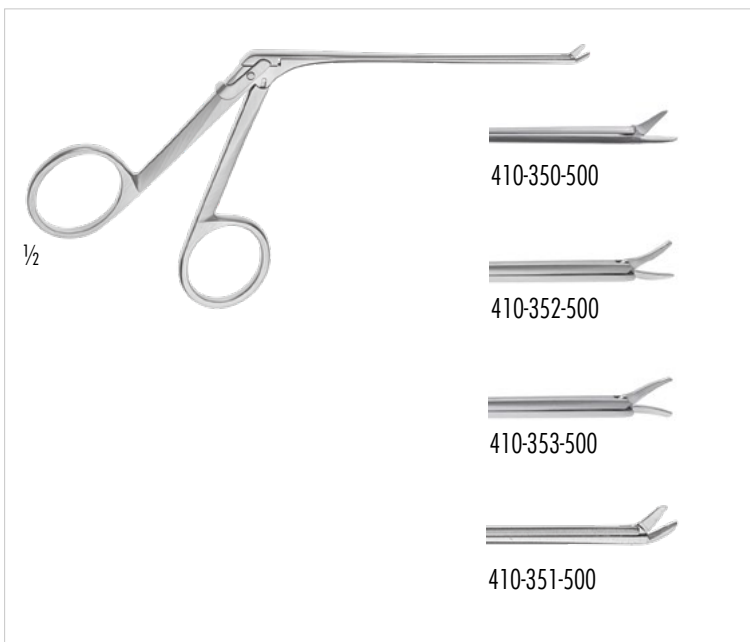
**GREVEN**

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**

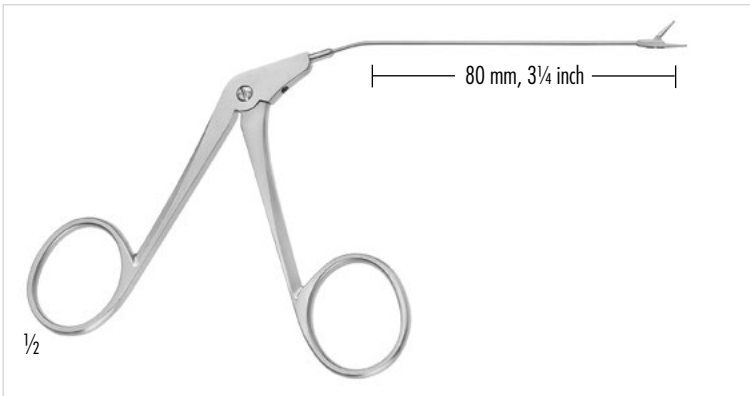
Ohrscherchen, mittleres Modell, 5,0 mm Schneide,  
 Arbeitslänge: 87 mm

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



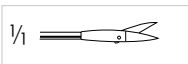
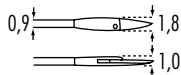
410-223-010

Paukenröhrchen Einführinstrument, 100mm  
 Tube insertion instrument, 100mm



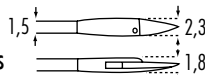
Ohrscheren, **Rohrschaft**  
Aural scissors, **tubular shaft**

Ohrscheren  
Aural scissors



410-352-010

Ohrscheren  
Aural scissors

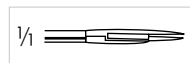


410-351-010

gerade  
straight

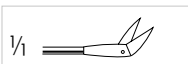


410-352-020



410-351-020

gerade horizontal  
straight horizontal



410-352-030



410-351-030

aufgebogen  
angled up

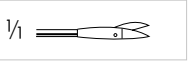


410-352-040

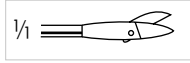


410-351-040

aufgebogen horizontal  
angled up horizontal

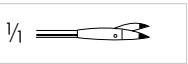


410-352-050

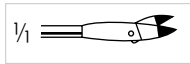


410-351-050

rechts gebogen  
curved right

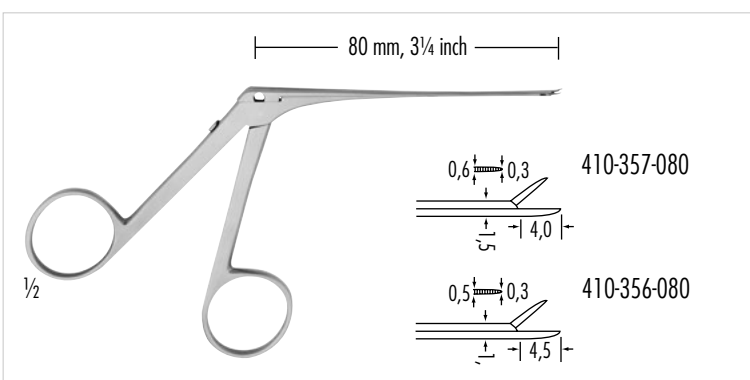


410-352-060



410-351-060

links gebogen  
curved left



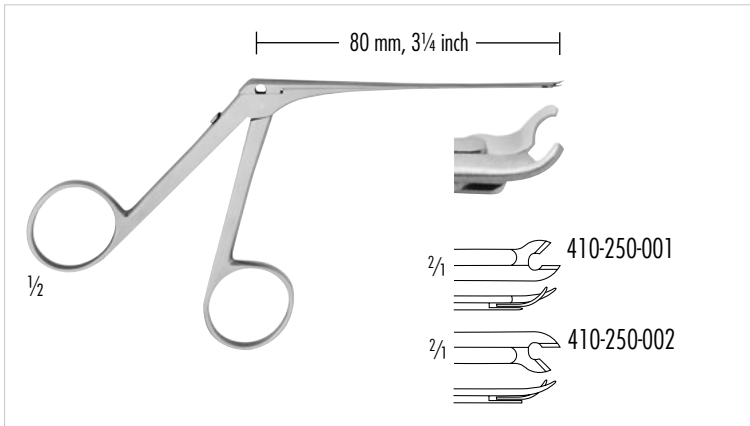
410-357-080 0,6 x 4 mm

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



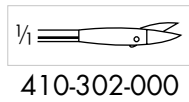
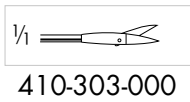


410-250-001 nach rechts öffnend/opening to right  
 410-250-002 nach links öffnend/opening to left  
**FISCH**  
 Crurotomie Scherchen, Arbeitslänge 80 mm  
 Crurotomy scissors, working length 3 1/4 inch

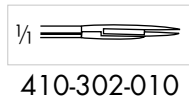
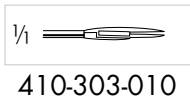


410-302-000  
 Neurektomie Schere, 160 mm  
 Neurectomy scissors, 6 1/4 inch

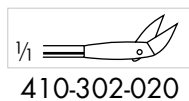
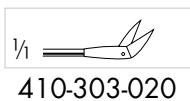
Neurektomiescheren 0,9 1,8 Neurektomiescheren 1,5 2,3  
 Neurectomy scissors 1,0 1,8 Neurectomy scissors



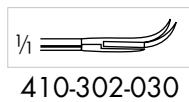
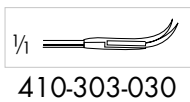
gerade  
 straight



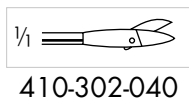
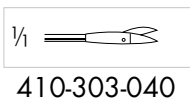
gerade horizontal  
 straight horizontal



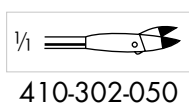
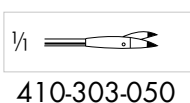
aufgebogen  
 angled up



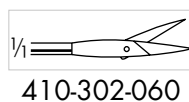
aufgebogen horizontal  
 angled up horizontal



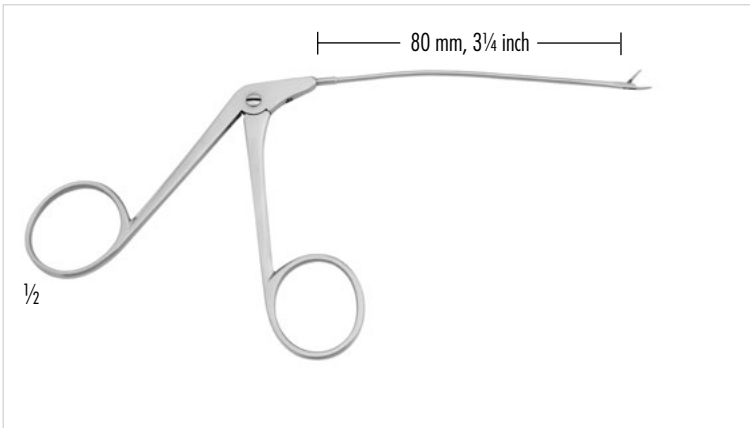
rechts gebogen  
 curved right



links gebogen  
 curved left



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

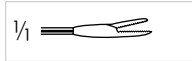
gerieftes Maul  
serrated jaws

Alligator Maul  
alligator jaws

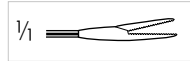
**Ohrzangen**  
**Aural forceps**



410-343-100



410-341-100



410-340-100

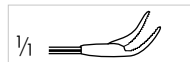
gerade  
straight



410-343-200

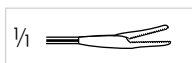


410-341-200

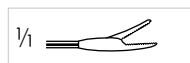


410-340-200

aufgebogen  
angled up

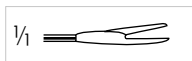


410-341-300

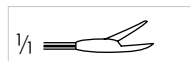


410-340-300

rechts gebogen  
curved right



410-341-400



410-340-400

links gebogen  
curved left

o 1 mm Ø

oval  
oval

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

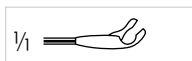


410-340-110

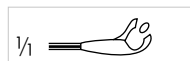


410-340-210

gerade  
straight

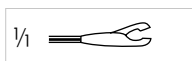


410-340-120

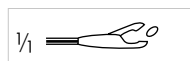


410-340-220

aufgebogen  
angled up

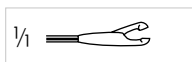


410-340-130

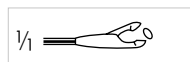


410-340-230

rechts gebogen  
curved right

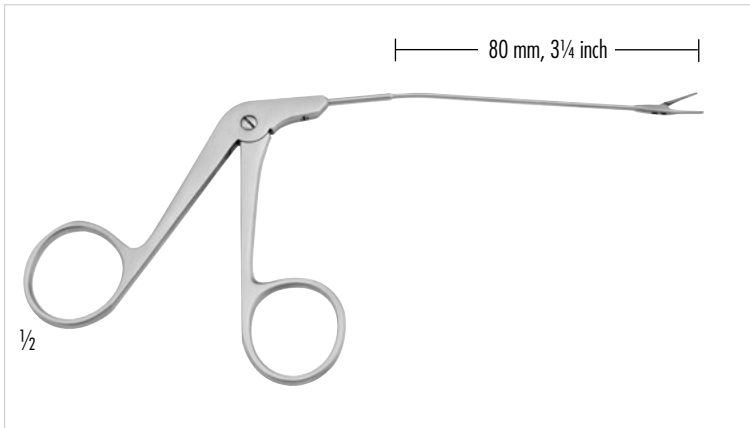


410-340-140



410-340-240

links gebogen  
curved left



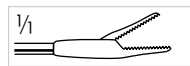
Ohrzängchen, **Rohrschaft**, Schaft 1,5 mm, Maul 2,3 mm  
Aural forceps, **tubular shaft**, shaft 1.5 mm, jaws 2.3 mm

1 x 2 Zahn  
1 x 2 teeth



410-342-100

gerieftes Maul  
serrated jaws

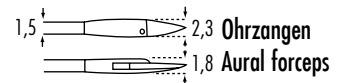


410-342-110

Alligator Maul  
alligator jaws

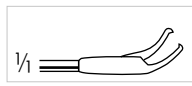


410-342-210

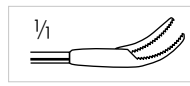


Ohrzangen  
Aural forceps

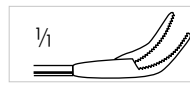
gerade  
straight



410-342-200

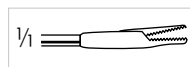


410-342-120

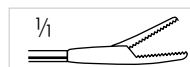


410-342-220

aufgebogen  
angled up

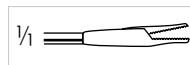


410-342-130



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

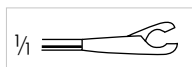
◦ 2,5 mm Ø

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

Löffelzangen  
Cup-shaped forceps



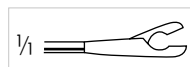
410-343-110



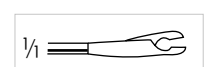
410-343-210



410-343-310

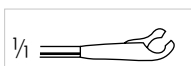


410-343-410

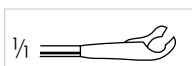


410-343-510

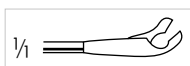
gerade  
straight



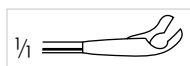
410-343-120



410-343-220



410-343-320

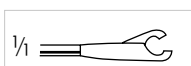


410-343-420

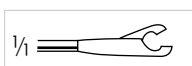


410-343-520

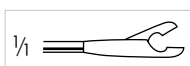
aufgebogen  
angled up



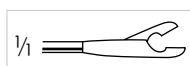
410-343-130



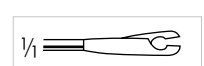
410-343-230



410-343-330



410-343-430

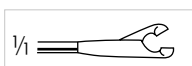


410-343-530

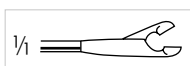
rechts gebogen  
curved right



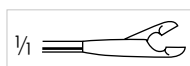
410-343-140



410-343-240



410-343-340



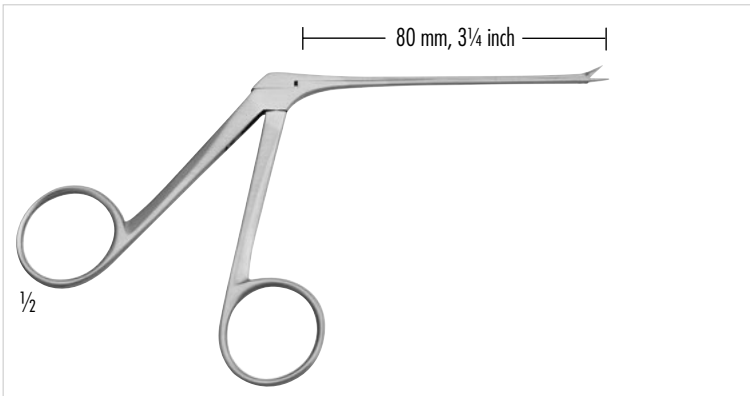
410-343-440



410-343-540

links gebogen  
curved left

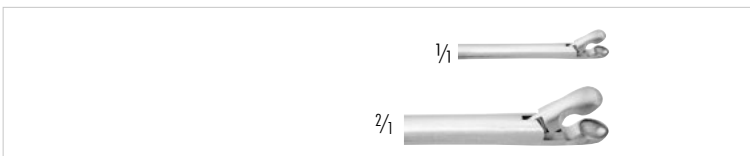
Schieberschaft Instrumente/Sliding shaft Instruments



410-423-000 4.0 mm x 1.7 mm

**ORMEROD**

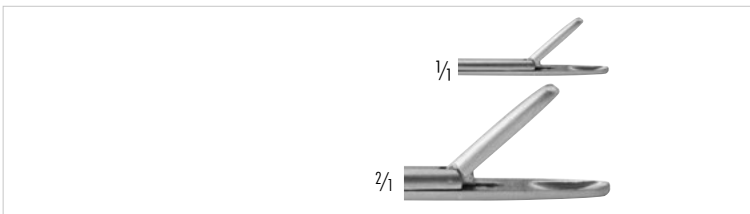
Mikro-Löffelzängchen, gerade, Löffel rund  
Micro cupped forceps, straight, round cup



410-424-000 5 mm x 1 mm

**ORMEROD**

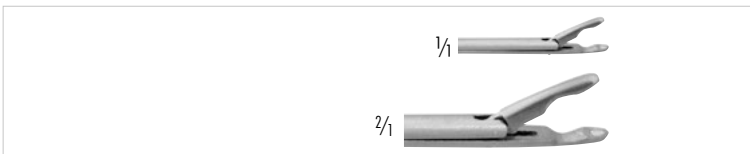
Mikro-Löffelzängchen, gerade, Löffel oval  
Micro cupped forceps, straight, oval cup



410-349-000 4.0 mm x 0.8 mm

**SHEA**

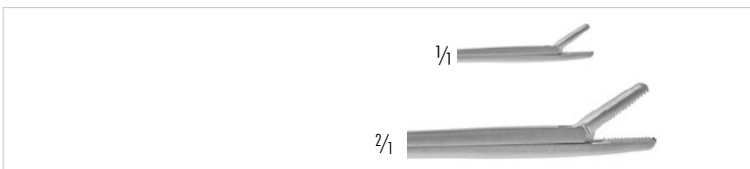
Mikro-Löffelzängchen, gerade, Löffel oval  
Micro cupped forceps, straight, oval cup



410-329-000 1 mm x 5.0 mm

**HOUGH**

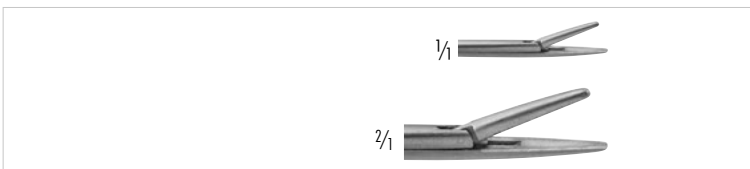
Mikro-Ohrzängchen, gerade, gerieftes Maul  
Micro Alligator forceps, straight, serrated jaws



410-334-000 1.25 mm x 7.0 mm

**CAWTHORNE**

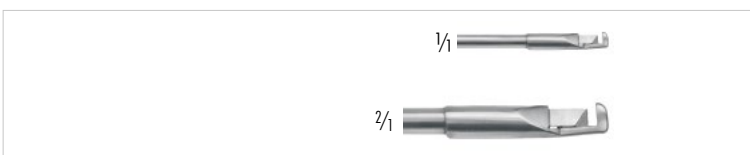
Mikro-Ohrzängchen, gerade, glattes Maul  
Micro Alligator forceps, straight, smooth jaws



410-300-000

**HOUSE-DIETER**

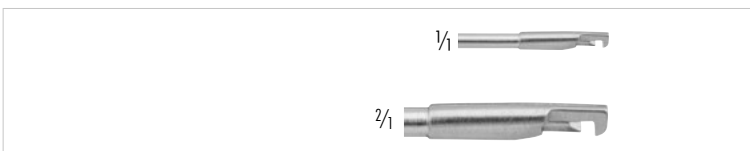
Mikro-Stanze, nach oben schneidend  
Malleus nipper, upwards cutting



410-301-000

**HOUSE-DIETER**

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

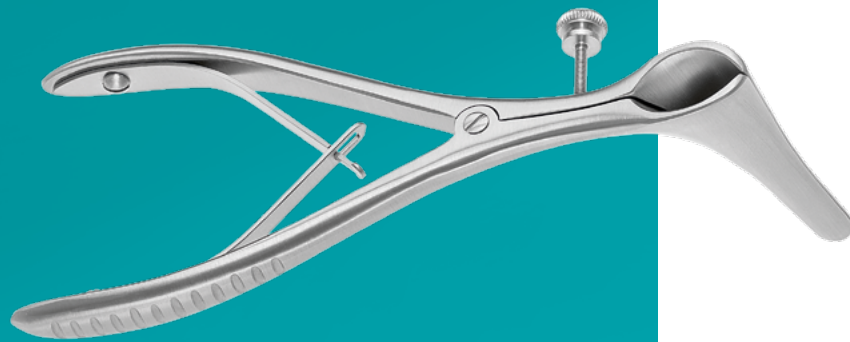


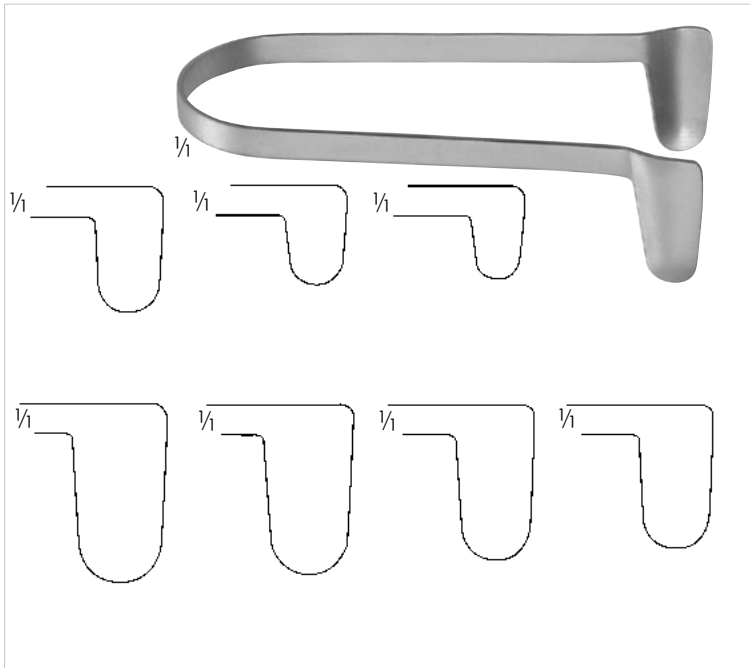


	Innenmaße/inner dimension
600-402-140	200 x 140 x 54mm
600-402-195	280 x 195 x 45mm
600-402-255	265 x 255 x 45mm
600-402-260	380 x 260 x 45mm

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





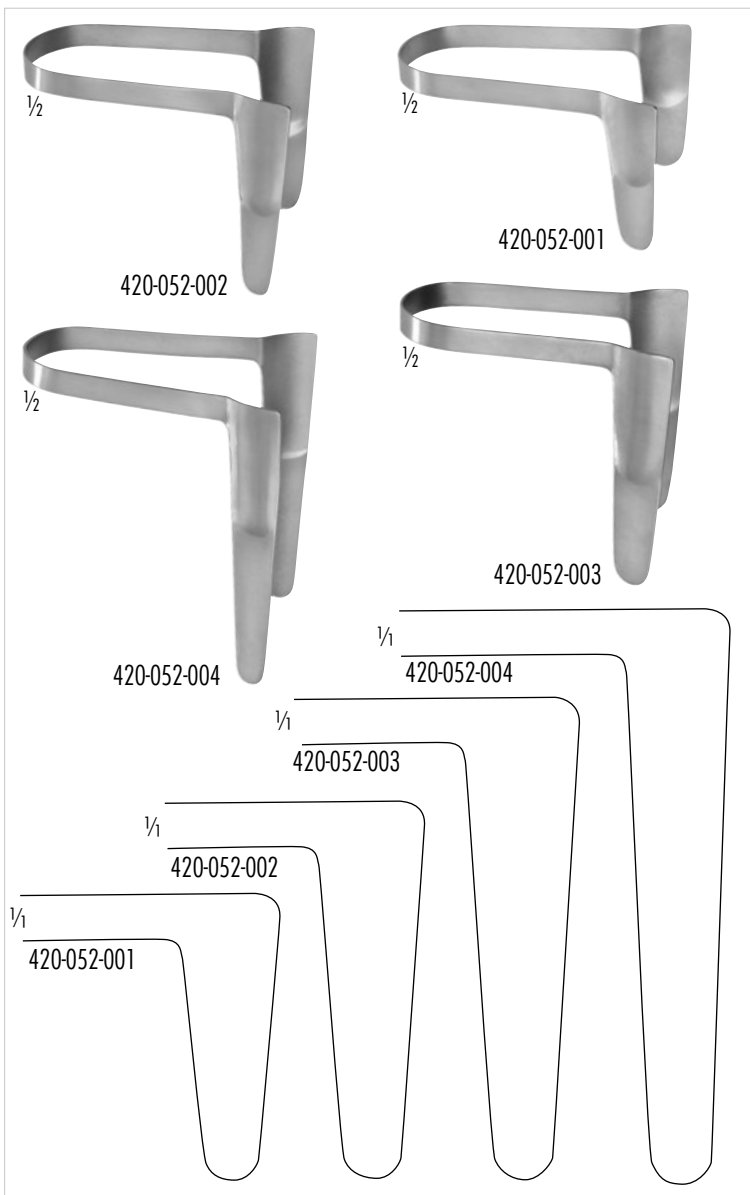
- 420-050-001 8,5 x 6,0 mm
- 420-050-002 9,0 x 7,0 mm
- 420-050-003 12,5 x 8,0 mm
- 420-050-004 15,0 x 8,5 mm
- 420-050-005 16,5 x 9,0 mm
- 420-050-006 18,0 x 10,0 mm
- 420-050-007 19,5 x 10,5 mm

**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

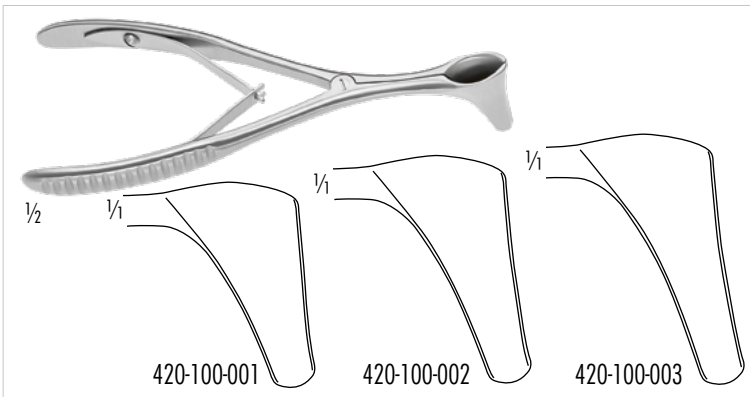
Nasenspekulum, **isoliert**, 70 mm  
Nasal specula, **insulated**



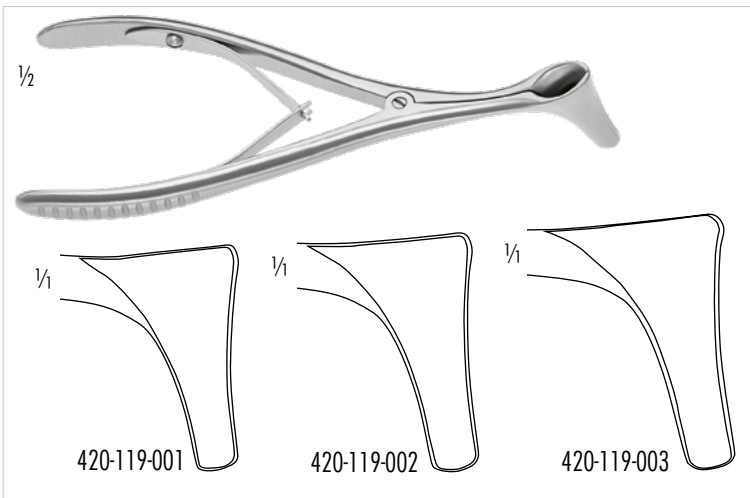
- 420-052-001 38 mm
- 420-052-002 50 mm
- 420-052-003 65 mm
- 420-052-004 75 mm

**ST CLAIR THOMPSON**

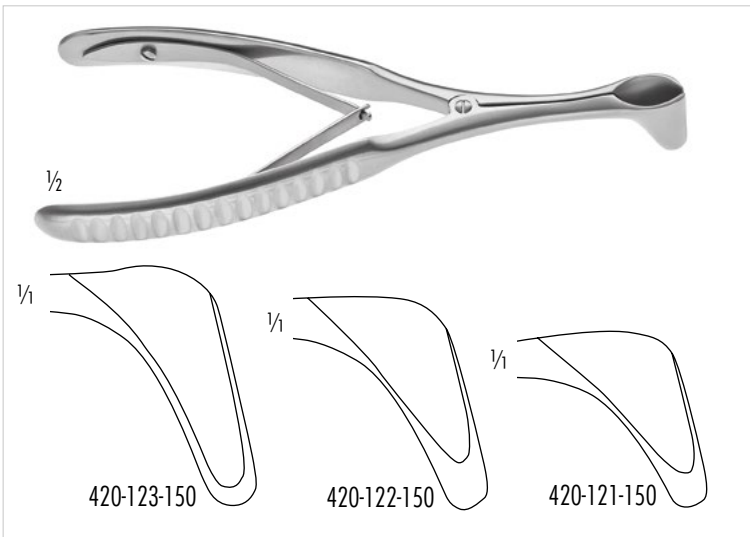
Nasenspekulum, 73 mm  
Nasal specula, 2 1/2 inch



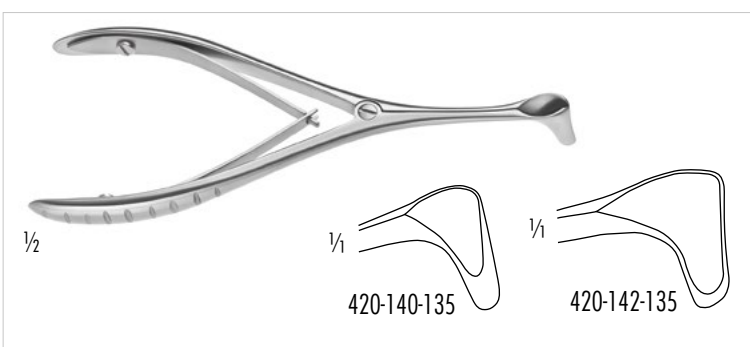
420-100-001 Fig.1 27 x 7 mm  
 420-100-002 Fig.2 30 x 7 mm  
 420-100-003 Fig.3 33 x 7 mm  
 Wiener Modell Nasenspekulum, 130 mm  
 Vienna pattern nasal specula, 5 inch



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

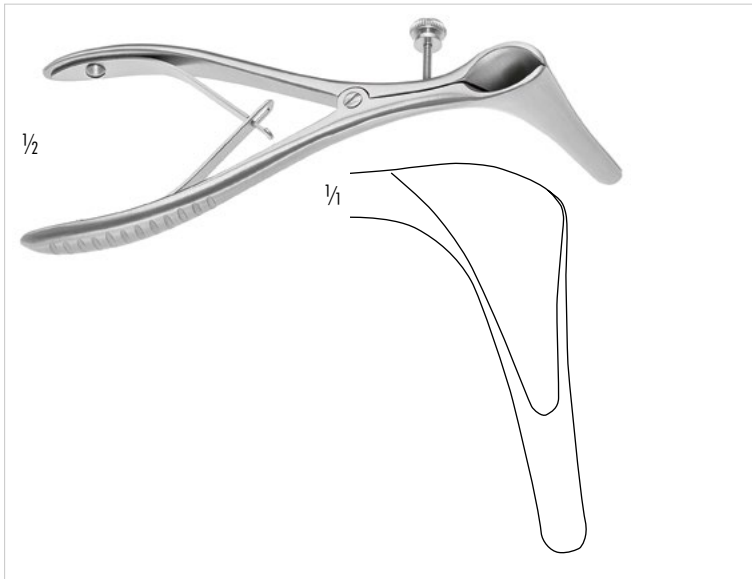


420-121-150 27 mm  
 420-122-150 31 mm  
 420-123-150 35 mm  
**HARTMANN-HALLE**  
 Nasenspekulum, 155 mm  
 Nasal specula, 6 inch



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

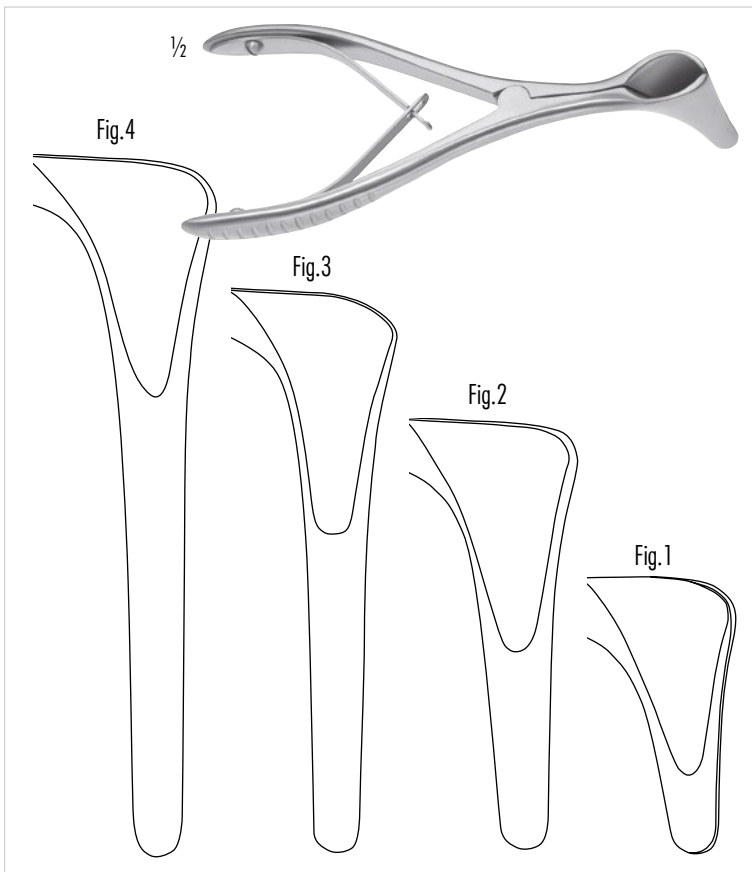




420-134-050 50 x 6 mm

**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



- 420-743-055 55 mm
- 420-743-075 75 mm
- 420-743-090 90 mm

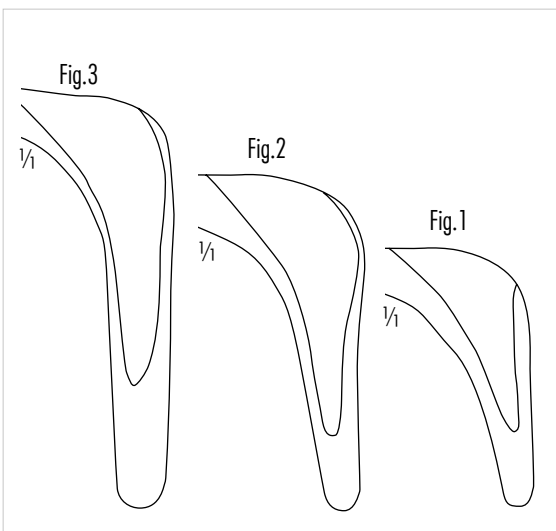
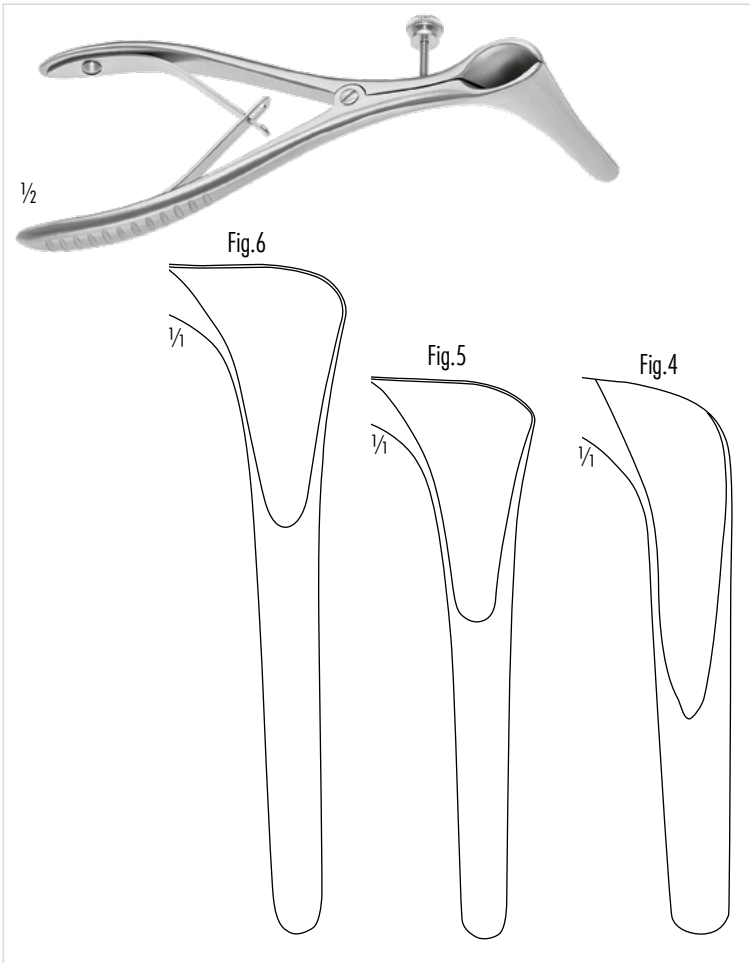
**KILLIAN**

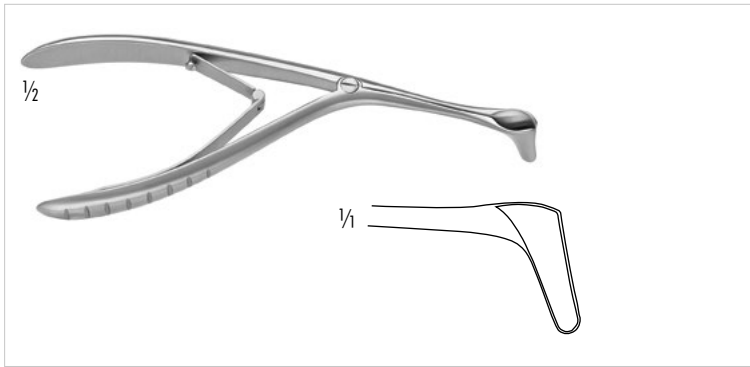
Nasenspekulum, mit abnehmbarem Kaltlichtträger, 140 mm  
Nasal specula, with detachable cold light carrier, 5 1/2 inch

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

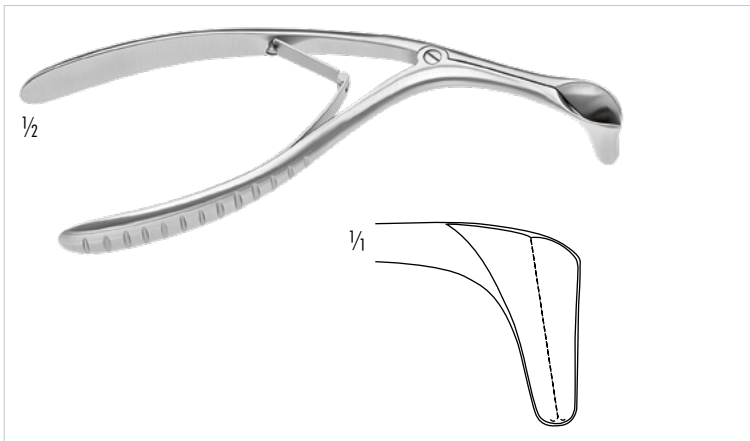




420-147-140

**BECKMANN**

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



420-148-150

**BECKMANN**

Nasenspekula, seitwärts gebogen, 150 mm  
Nasal specula, curved sidewards, 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



- 420-150-001 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

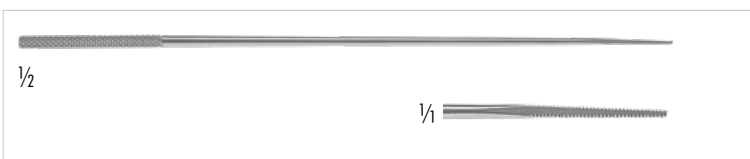
Sinus Spekula zur Verwendung mit flexiblen Spannarm,  
mit Zähnen, mit Stellschraube  
Sinus Specula for use with flexible arm, with teeth,  
with set screw



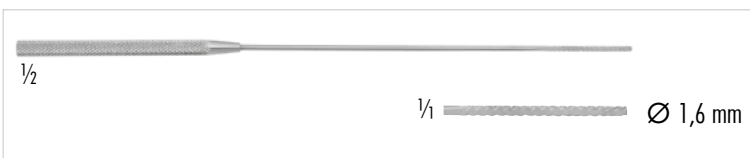
420-150-160  
Nasensonde, kniegebogen, 160 mm  
Nasal probe, knee angled, 6 1/4 inch



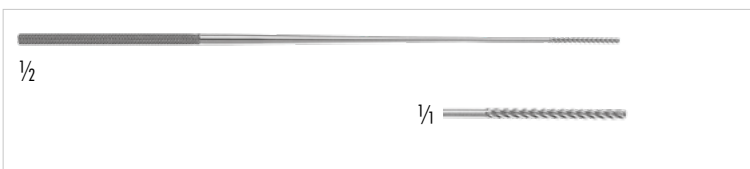
420-150-165  
**KILLIAN**  
Nasensonde, leicht gebogen, 165 mm  
Nasal probe, slightly curved, 6 1/2 inch



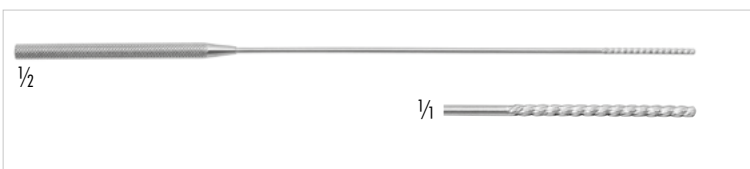
160-426-165 Ø 1,2 mm  
**LATHBURY-FARRELL**  
Nasensonde, dreieckig gerieft, 160 mm  
Nasal applicator, triangular serrated end, 6 1/4 inch



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



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



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



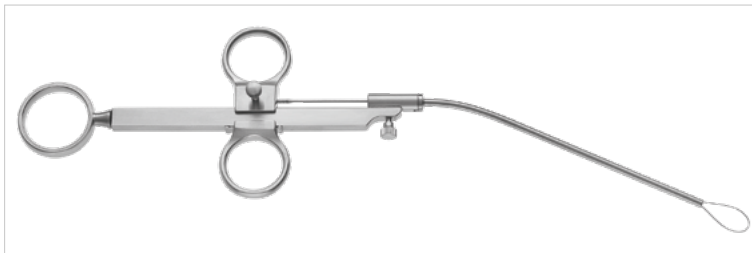
420-150-180  
**SIEBENMANN**  
Nasensonde, 180 mm  
Nasal plugger, 7 inch



420-413-230

**LANGE**

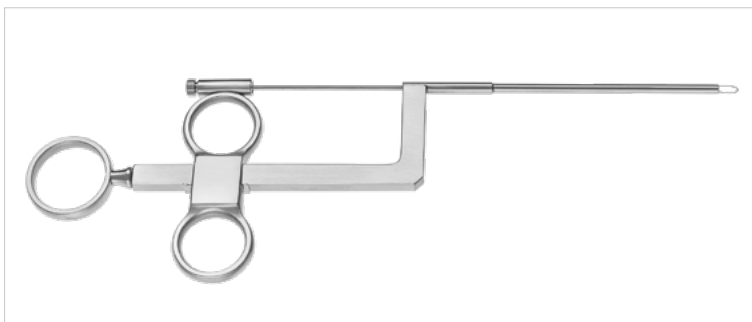
Choanenhaken, 230 mm  
Choana hook, 9 ½ inch



420-201-260

**KRAUSE**

Nasenpolypenschnürer, kniegebogen, 250 mm  
Nasal polypus snare, knee bent, 10 inch



410-270-250

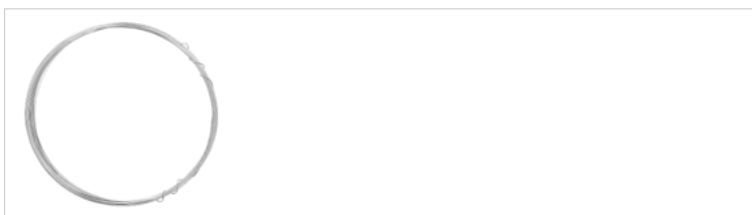
**WILDE**

Nasenpolypenschnürer, bajonettförmig gebogen, 250 mm  
Nasal polypus snare, bayonet shaped, 10 inch



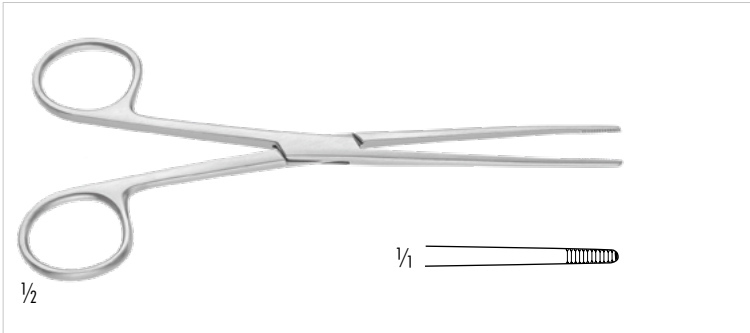
420-210-003 Ø 0,3 mm

Schlingen für Nasenpolypenschnürer,  
Bestelleinheit: PH=Packung á 100 Stück  
Wire loops for nasal snares,  
sales unit: PH=Package of 100 pieces



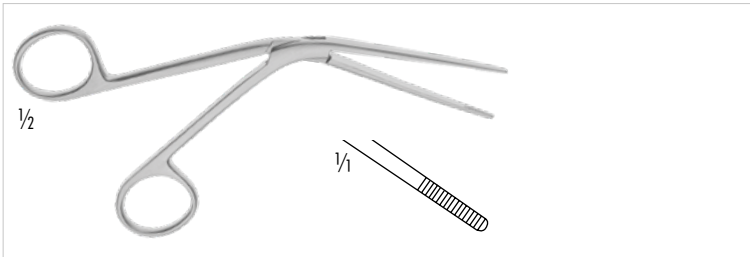
420-210-013 Ø 0,3 mm

Schnürerdraht in Rollen á 10 m  
Snare wire in coils of 10 metres

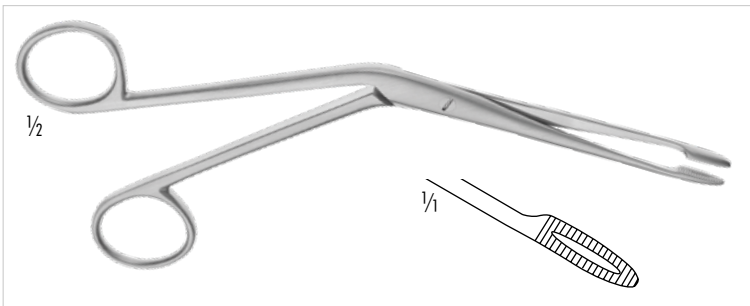


150-080-160 155 mm/6 inch  
150-080-180 180 mm/7 inch

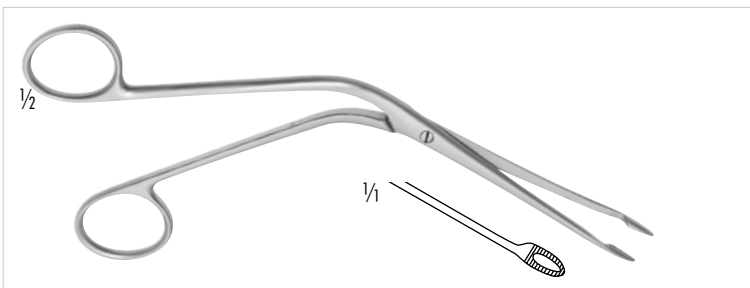
**LISTER**  
Tamponzange  
Sinus forceps



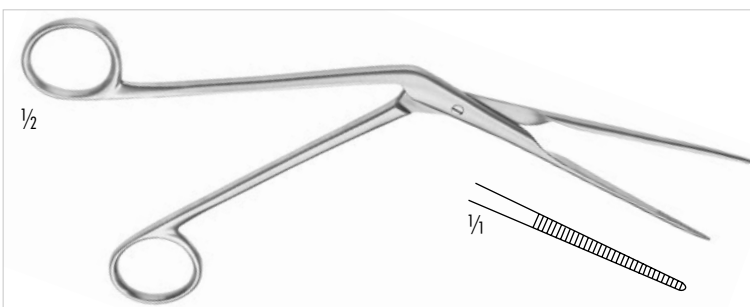
410-232-140  
**TILLEY**  
Nasentamponzange, 130 mm  
Nasal dressing forceps, 5 1/8 inch



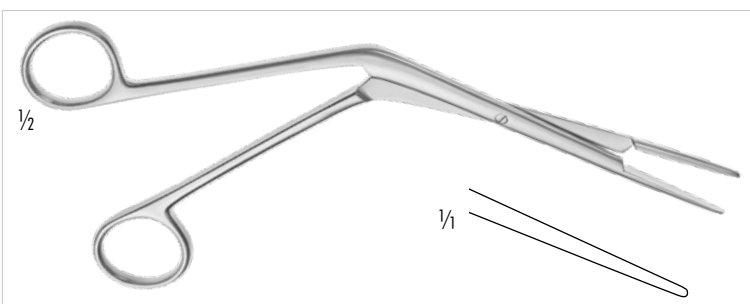
420-211-200  
**HARTMANN**  
Nasentamponzange, 215 mm  
Nasal dressing forceps, 8 1/4 inch



420-211-160  
**HARTMANN**  
Nasentamponzange, 175 mm  
Nasal dressing forceps, 7 inch



420-411-200  
**WEST**  
Nasentamponzange, 200 mm  
Nasal dressing forceps, 8 inch



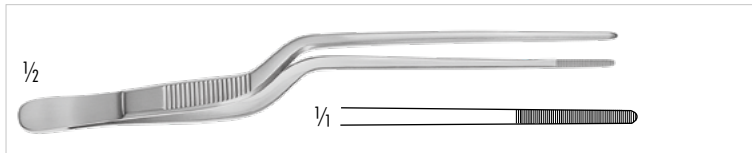
420-210-200  
**LUBET-BARBON**  
Nasentamponzange, 200 mm  
Nasal dressing forceps, 8 inch



410-389-190

**GRUENWALD**

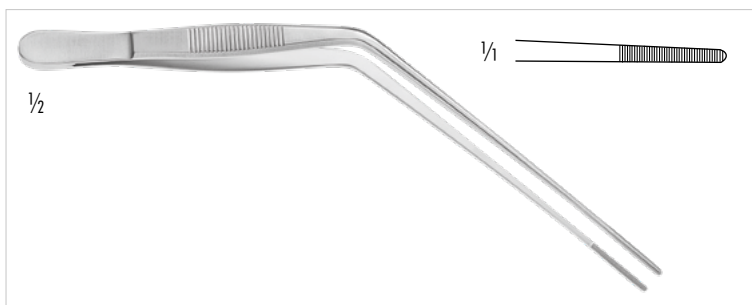
Nasenpinzetten, anatomisch, bajonettförmig, 200 mm  
Nasal dressing forceps, bayonet shaped, 8 inch



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

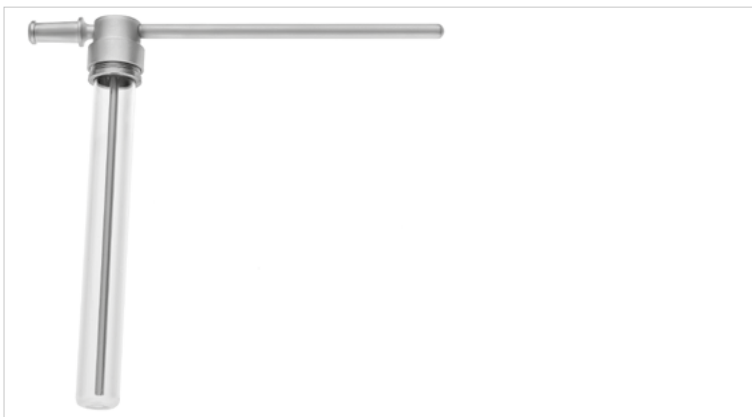
Universal Pulverbläser, mit beweglicher Nasenolive,  
Schraubflasche 30 ccm und Halbgebläse  
Universal Powder Blower, with adjustable nozzle,  
threaded flacon 30 ccm and Rubber Bulb

410-228-100

Halbgebläse allein / Rubber Bulb only

410-228-010

aufsteckbare Nasenolive, allein / Nose guard, only



410-229-000

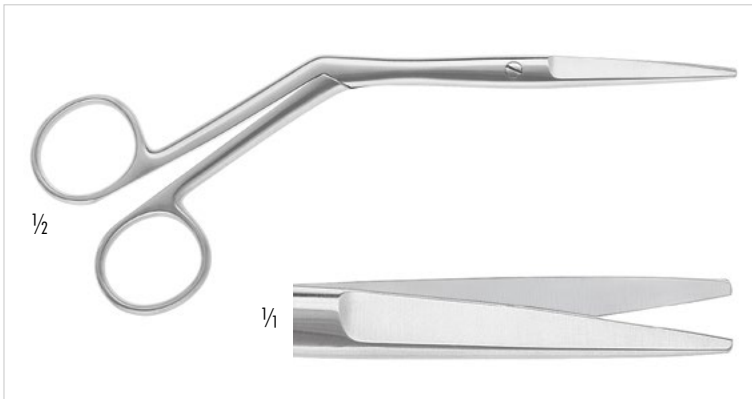
**GRUENWALD**

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

410-229-050

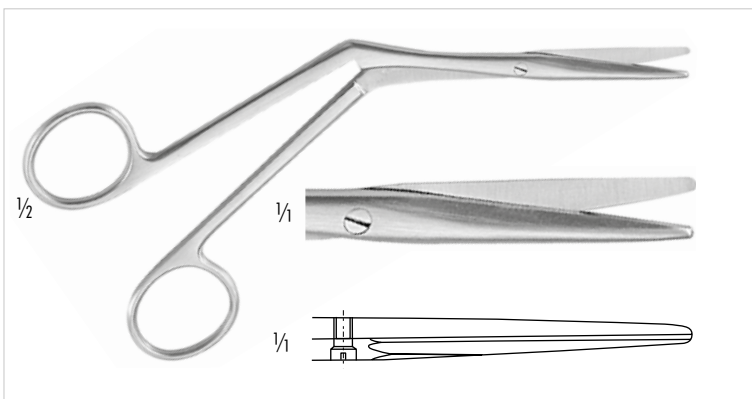
**GRUENWALD**

Ersatzflacon mit Gewinding  
Threaded Spare Bottle only

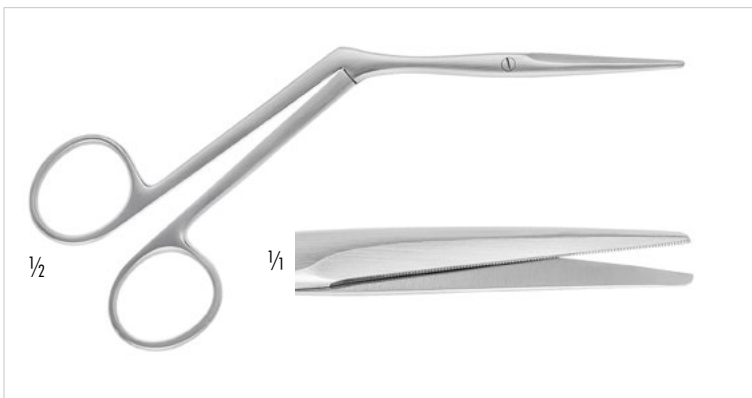


- 120-284-180 gerade/straight  
gezahntes oberes Blatt/  
serrated upper blade
- 120-287-180 rechts gebogen/right curved  
gezahnt/serrated
- 120-285-180 links gebogen/left curved  
gezahnt/serrated
- 120-585-180 **TC**, unteres Blatt gezahnt, gerade  
**TC**, lower blade serrated, straight

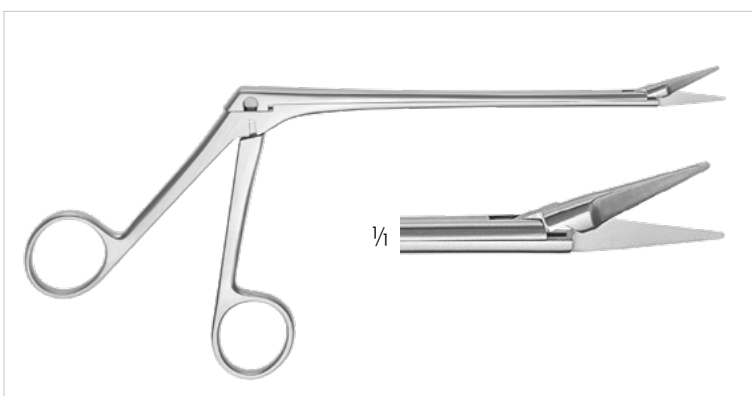
**HEYMANN**  
Nasenschere, 190 mm,  
Nasal scissors, 7 1/2 inch



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

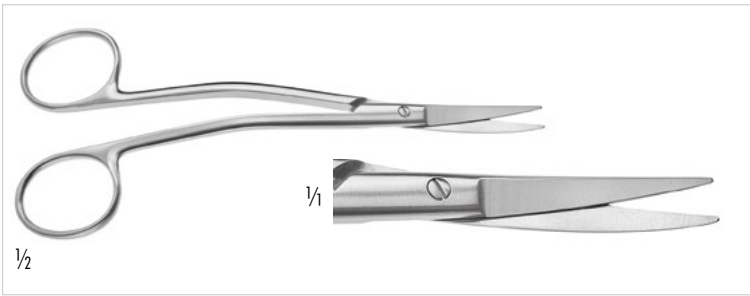


120-285-175  
**KIRSTEIN**  
Nasenschere, gezahnt, 180 mm  
Nasal scissors, serrated, 7 inch



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

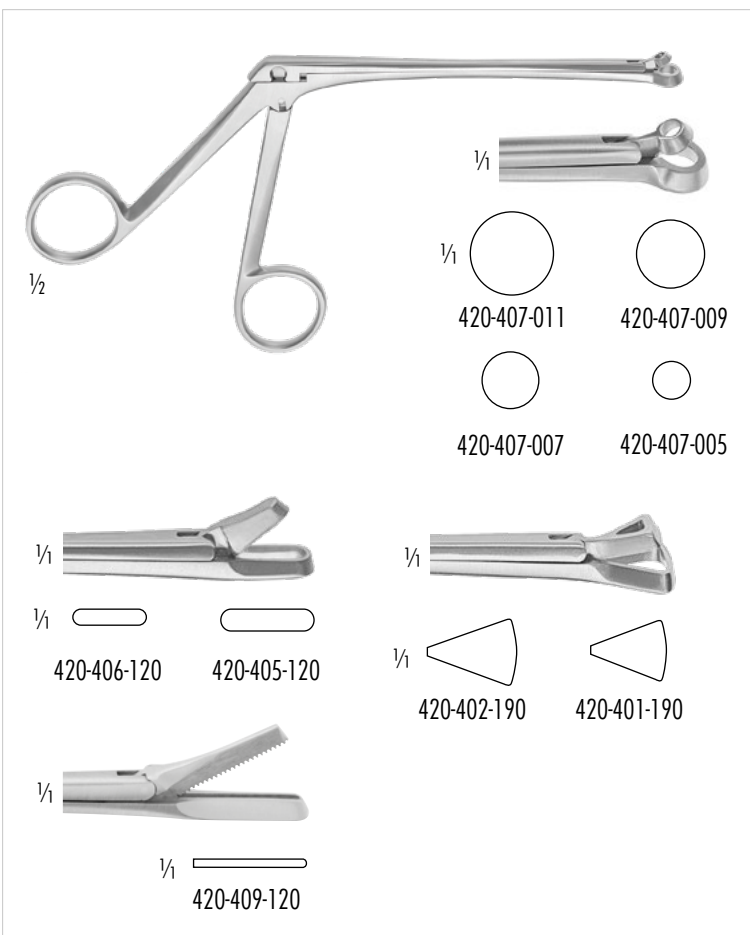


420-408-003 3 mm

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**

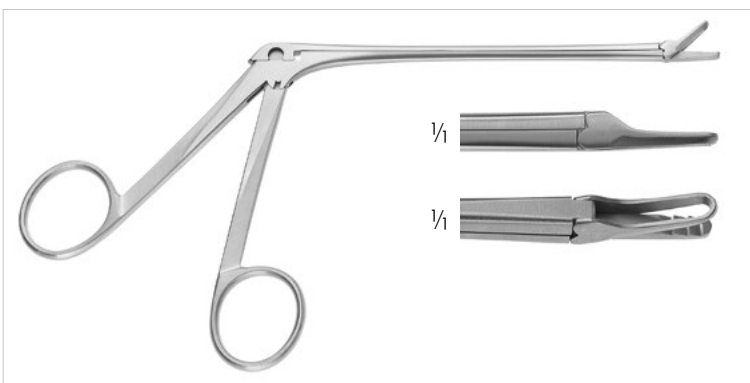
Adenoidzange, durchschneidend, rund, mit Gitter, 140 mm  
Adenoid Forceps, through cutting, round, with basket, 140 mm



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**

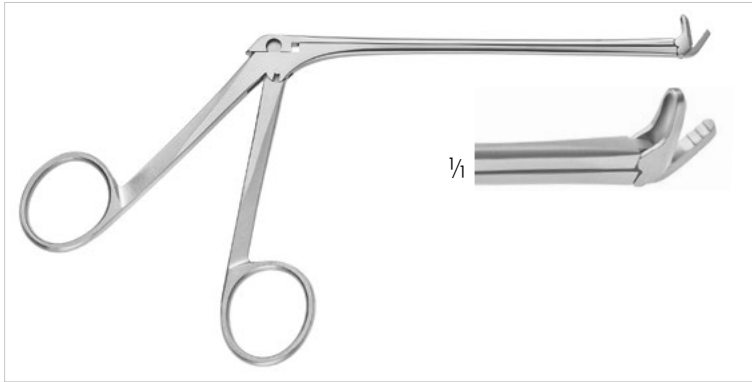
Nasenzange, durchschneidend, ovaler Schnitt, Arbeitslänge: 115 mm  
Nasal Forceps, through cutting, oval bite, Working length: 4 1/2 inch



420-410-140

**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

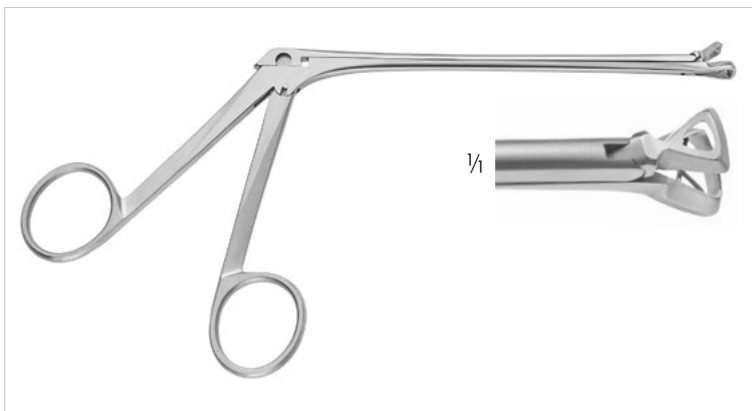


420-413-140

**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



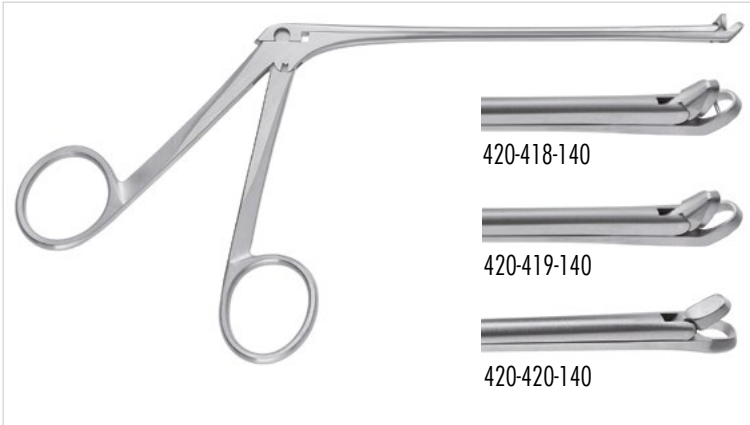
420-414-120 gerade/straight

420-415-120 links gebogen/left curved

420-416-120 rechts gebogen/right curved

Nasenschere, 120 mm

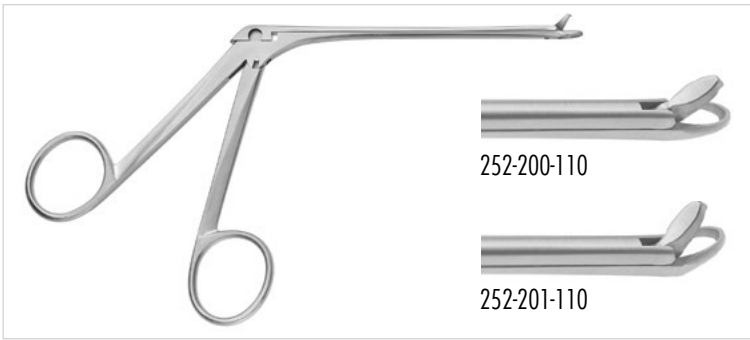
Nasal scissors, 4 3/4 inch



- 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**

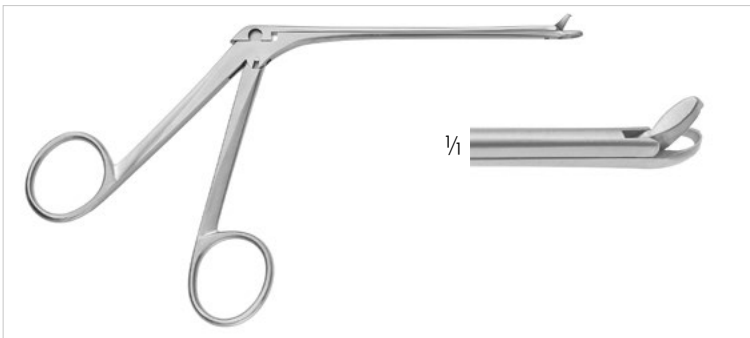
Nasenzange, durchschneidend, 3 mm Schnitt,  
Arbeitslänge: 140 mm  
Nasal Forceps, through cutting, 3 mm bite,  
Working length: 5 1/2 inch



- 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 1/2 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 1/2 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**

Stirnhöhlezange 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

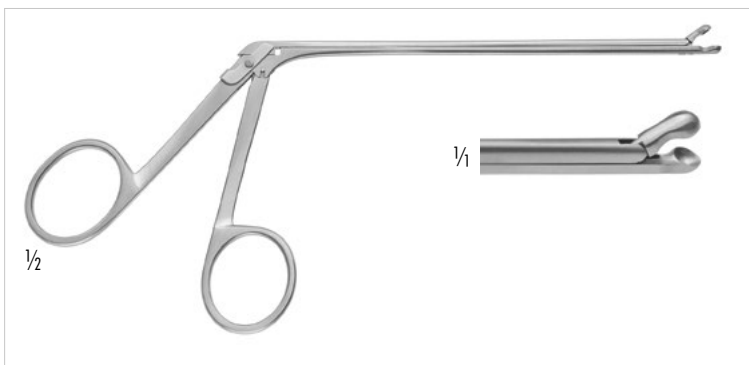
252-528-115 **MORGENSTEIN**

252-529-115 **BLAKESLEY**

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

Nasenzange mit Quersähen, 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



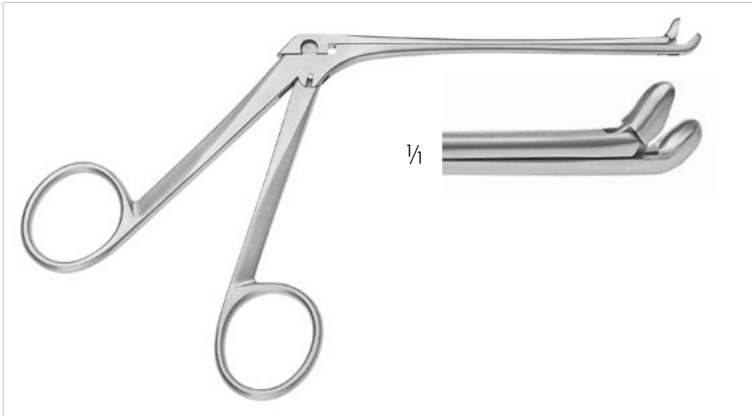
252-539-115

**LEWIS**

Nasenzange seitlich links öffnend, Arbeitslänge: 115mm

Nasal Forceps, round grooved jaws, opening to left side,

Working length: 4 1/2 inch

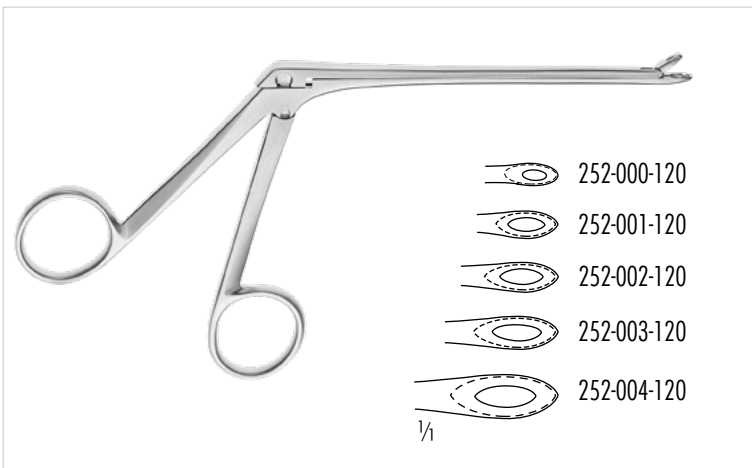


252-425-115

**BEAD**

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

Nasal Forceps with cup jaws, upturned, small model, Working length: 4 1/2 inch

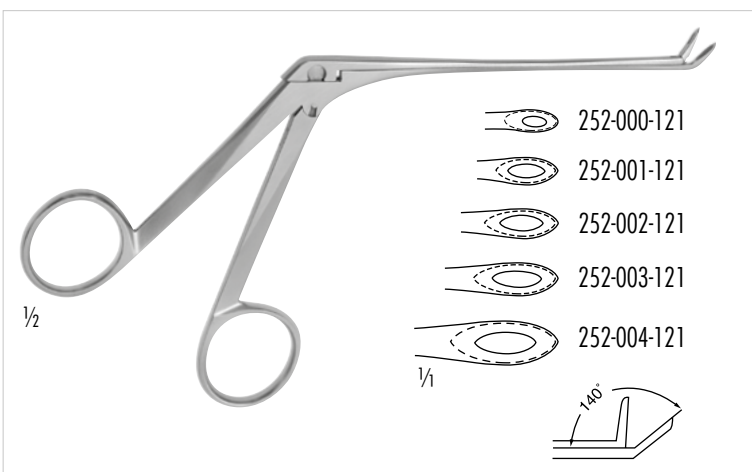


- 252-000-120 Fig.0 3,0 mm
- 252-001-120 Fig.1 3,6 mm
- 252-002-120 Fig.2 4,2 mm
- 252-003-120 Fig.3 4,8 mm
- 252-004-120 Fig.4 5,6 mm

**WEIL-BLAKESLEY**

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

Ethmoidal forceps, straight, oval, cup-shaped fenestrated jaws, 4 3/4 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, gefenstertes Maul, 110 mm

Ethmoidal forceps, upwards curved, oval cup, fenestrated jaws, 4 1/2 inch

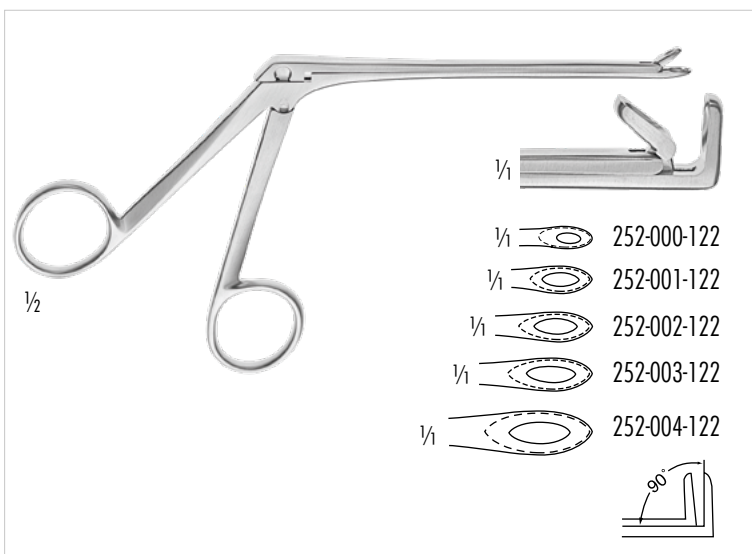


252-000-111

**STRUEMPPEL-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

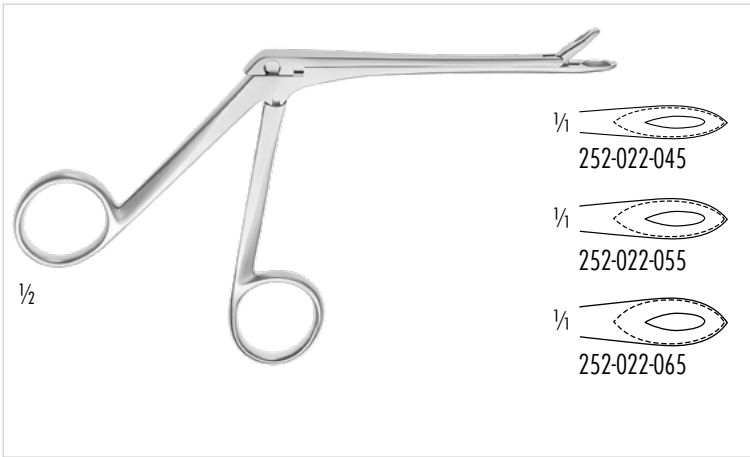
90°

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

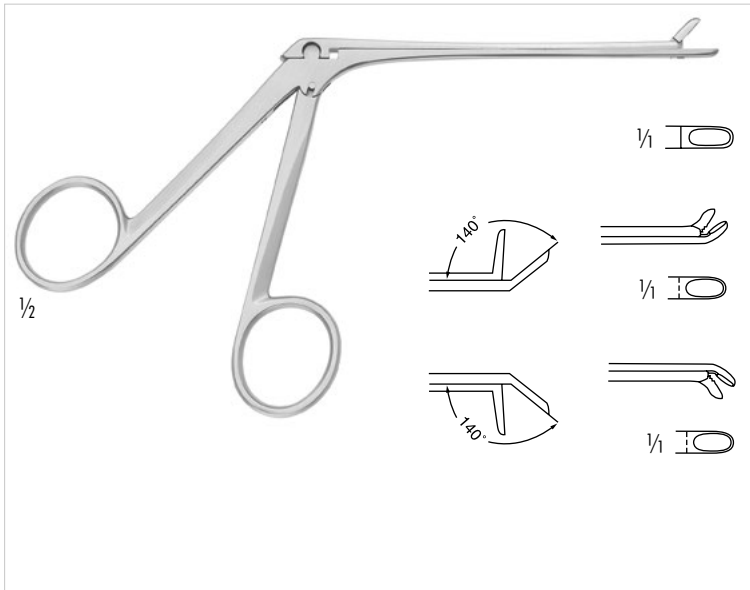


252-534-100  
 Siebbeinzange, gerade, 140 mm  
 Ethmoidal forceps, straight, 5 1/2 inch



252-530-120  
**WATSON-WILLIAMS**  
 Schleimhaut Faßzange, gezahnt, gerade, 120 mm  
 Ethmoidal mucosa forceps, serrated jaws, straight, 4 3/4 inch

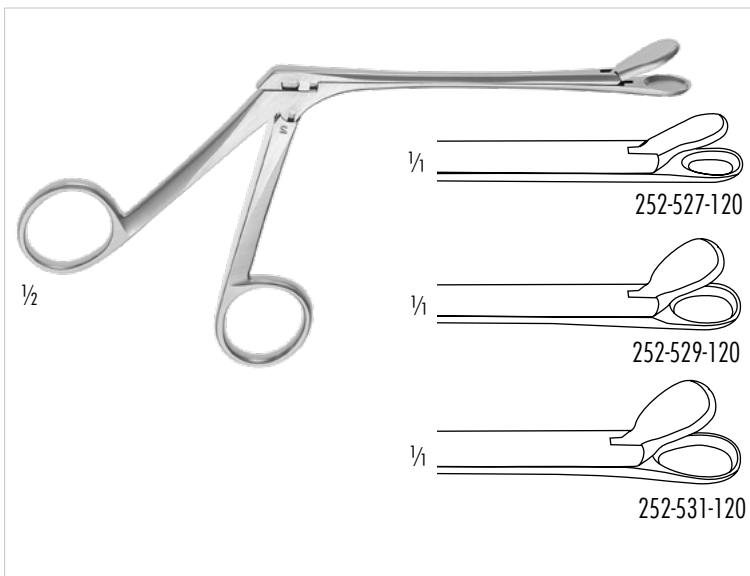




- 252-536-115 gerade/straight
- 252-537-115 aufgebogen/curved up
- 252-538-115 abgebogen/curved down

**ST BARTS**

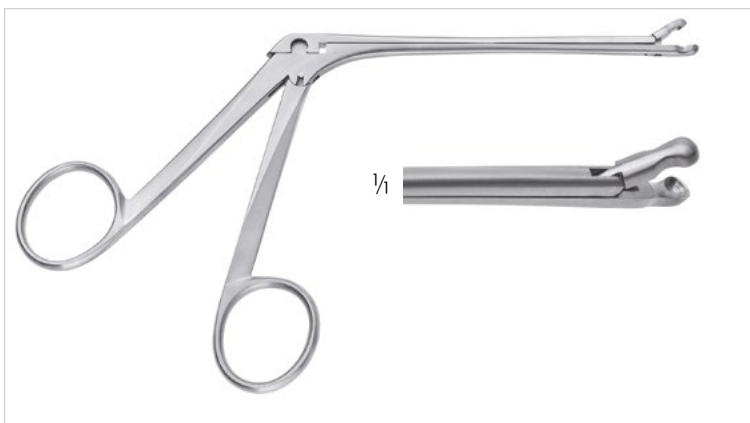
Rongeur, 3 mm, 110 mm  
 Rongeur, 3 mm, 4 1/3 inch



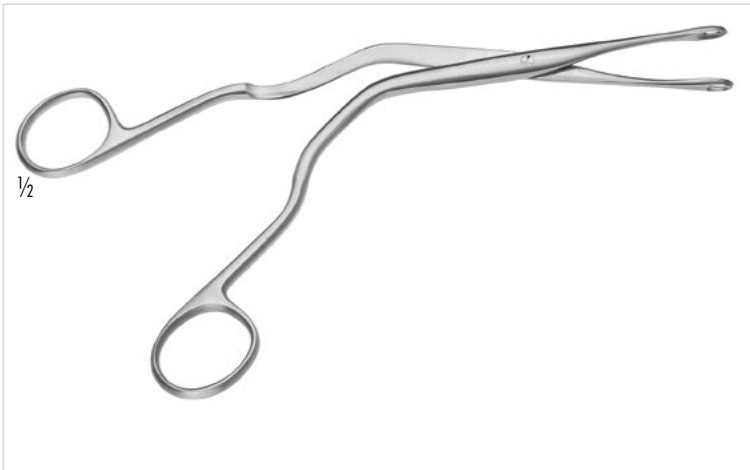
- 252-527-120 Fig.0
- 252-529-120 Fig.1
- 252-531-120 Fig.2

**WATSON-WILLIAMS**

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



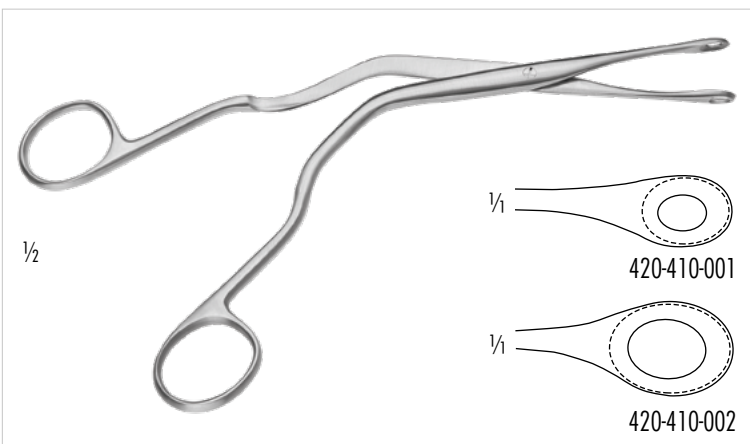
252-426-100 Ø 3.5 mm  
 Nasenzange mit rundem Löffel, 115 mm  
 Sinus Cup Forceps, 4 1/2 inch



- 420-400-001 6,0 mm
- 420-400-002 7,5 mm
- 420-400-003 9,0 mm

**LUC**

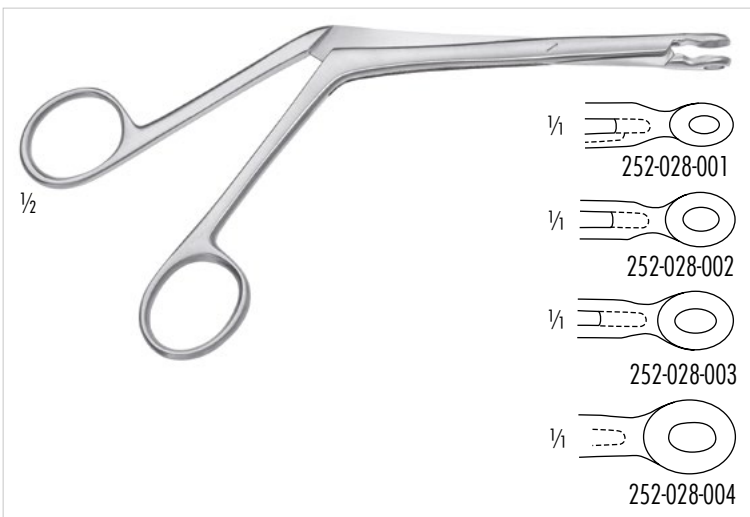
Septumzange, gefenstert, 190 mm  
Septum forceps with fenestrated jaws, 7 1/2 inch



- 420-410-001 Fig. 1
- 420-410-002 Fig. 2

**LUC**

Septumzange, gefenstert, 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, gefenstert, 190 mm  
Septum forceps, fenestrated jaws, 7 1/2 inch



- 252-029-000 6mm

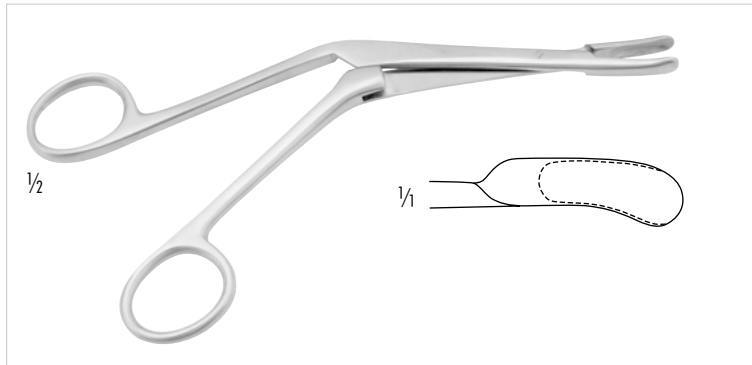
**CRAIG**

Vormerzange, gerade, scharfer Löffel oval, 165 mm  
Septum bone cutting and breaking forceps straight, sharp cup, 6 1/2 inch

- 252-029-165 6mm

**CRAIG**

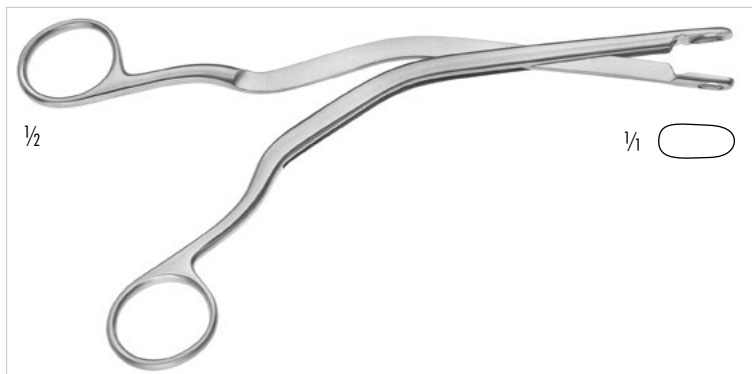
Vormerzange mit eckigen Schneidkanten, 165 mm  
Septum bone cutting and breaking forceps straight, sharp cup, 6 1/2 inch



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**

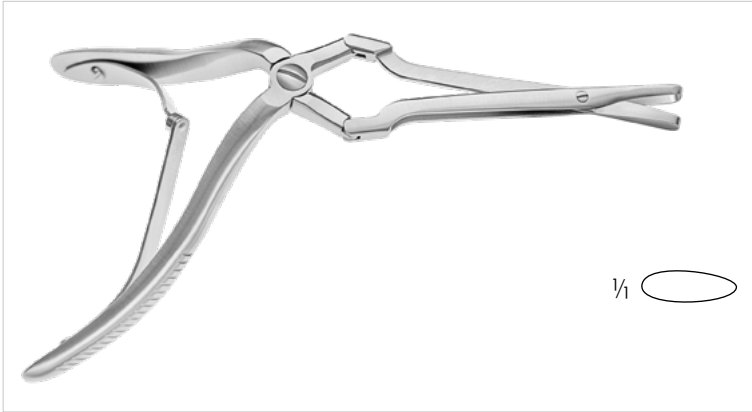
Septumzange, scharfer ovaler Löffel, 190 mm  
 Septum forceps, with sharp oval cup, 7 1/2 inch



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



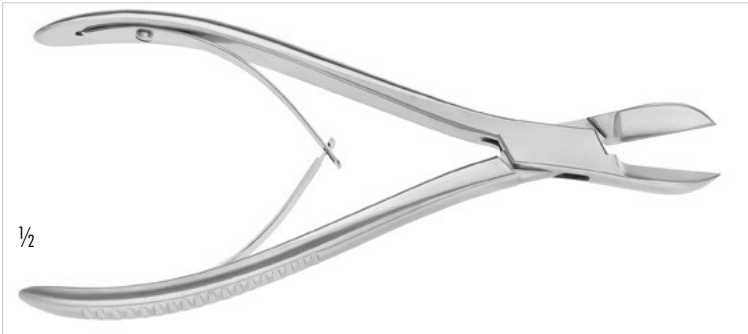
252-032-190 4x11 mm  
**JANSEN-MIDDLETON**  
 Nasenzange, Löffelmaul, 170 mm  
 Nasal forceps, cup-shaped, 6 3/4 inch



420-213-180  
**BECKER**  
 Septumschere mit Doppelgelenk, gezahnt, 180 mm  
 Septum scissors, double action, with serrated jaws, 7 inch



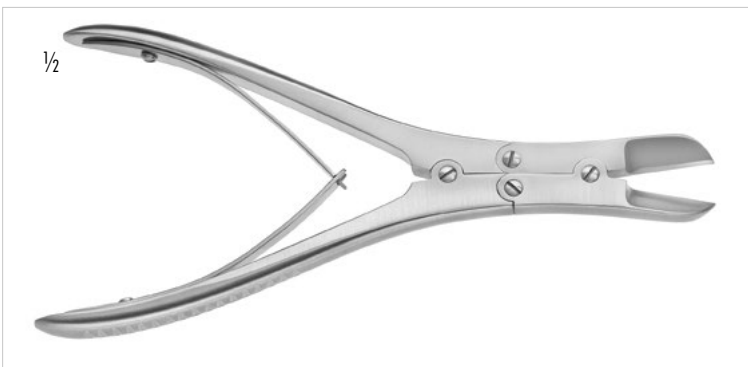
120-286-220 gerade Schneide/straight cutting edge  
**CAPLAN**  
 Nasenschere, 220 mm  
 Nasal scissors, 8 1/2 inch



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**

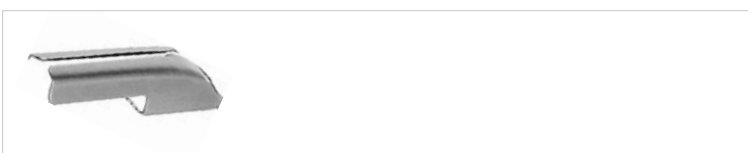
Knorpelquetschzange mit Doppelgelenk, gerade, 220 mm  
 Septum morcelizer, double action, straight, 8 1/2 inch



420-371-210

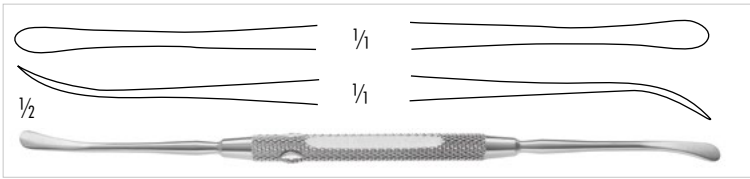
**RUBIN**

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



420-370-212

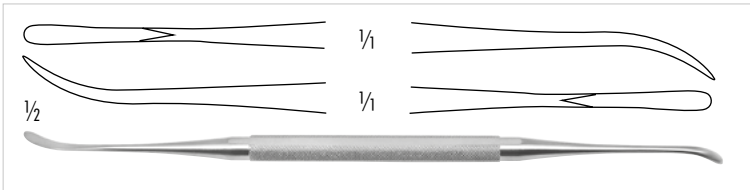
Schutzkappe für RUBIN Quetschzange 420-370-210 + 420-371-210  
 Protection cap for RUBIN septum morcelizer  
 420-370-210 + 420-371-210



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**

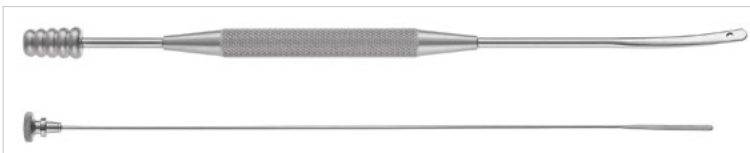
Elevator, doppelendig, 240mm  
Elevator, double-ended, 9 1/2 inch



420-556-200

**WOODSON**

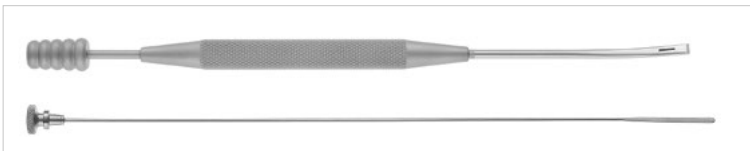
Elevator, 2,4 / 4,0mm Blatt, 200mm  
Elevator, 2.4 / 4.0mm blade, 8 inch



420-395-205 6 mm

**NEGUS**

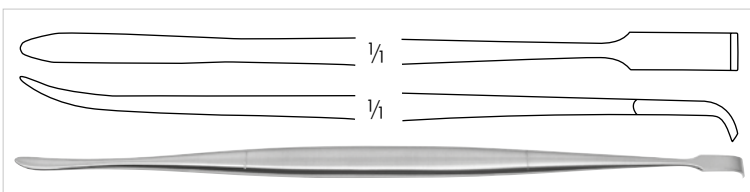
Saugdissektor, stumpf 210 mm  
Suction dissector, blunt, 8 1/4 inch



420-253-185 3 mm

**GORNEY**

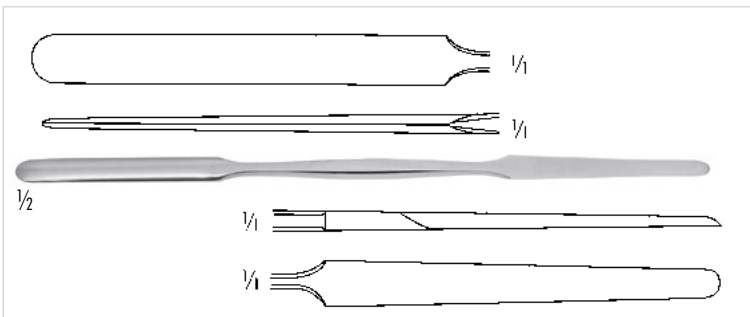
Saugraspatorium, halb-scharf 180 mm  
Suction raspatory, semi-sharp 7 inch



420-552-215

**HOWARTH**

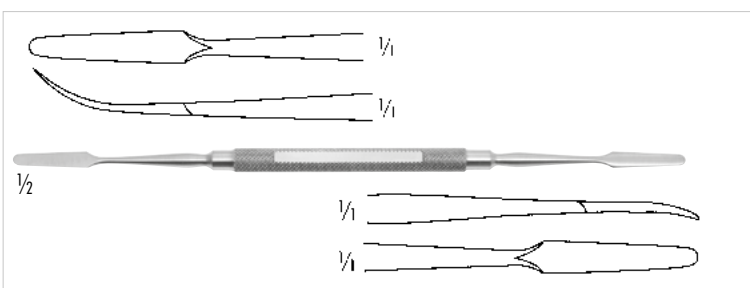
Doppel-Elevatorium, 215 mm  
Elevator, double-ended, 8 1/4 inch



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**

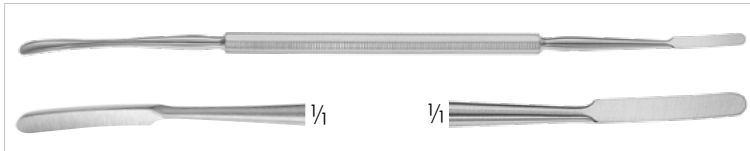
Doppel-Elevatorium, schiffenförmig, scharf/stumpf, 180 mm  
Septum double-ended elevator, shuffle-shaped, sharp/blunt, 7 inch



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**

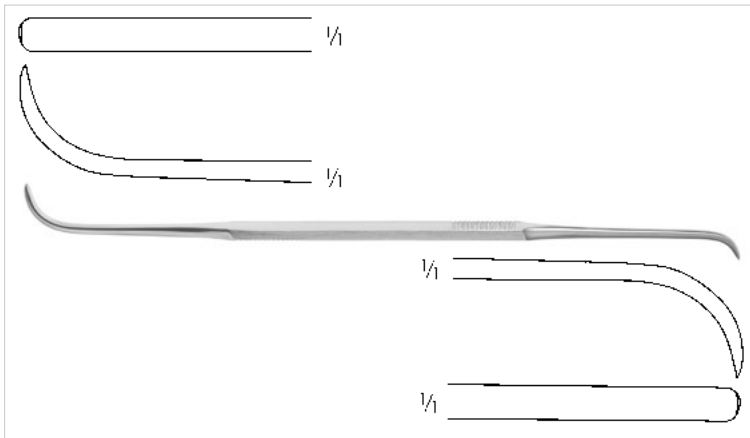
Elevatorium, doppelendig, graduert, scharf/stumpf, 200 mm  
Elevator, double-ended, graduated, sharp/blunt, 8 inch



420-550-230

**COTTLE**

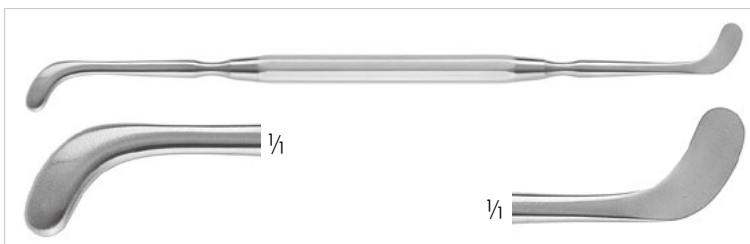
Doppel-Elevatorium, graduert, scharf/stumpf, 210 mm  
Elevator, double-ended, graduated, sharp/blunt, 8 1/4 inch



420-552-200

**COTTLE**

Doppel-Elevatorium, zum Tunnelieren, 220 mm  
Elevator, double-ended, for tunneling, 9 inch



420-543-210

**PENNINGTON**

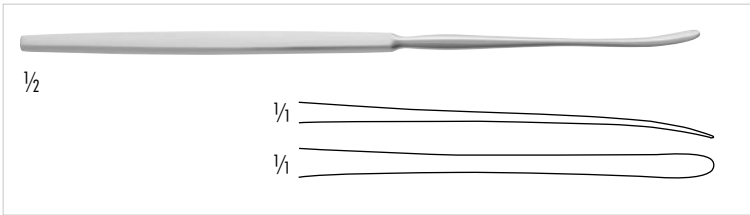
Elevatorium, 210 mm  
Elevator, 8 1/4 inch



420-551-175

**FREER**

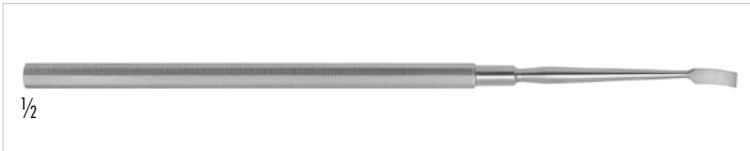
Raspatorium, doppelendig, scharf, 175 mm  
Periosteal elevator, double-ended, sharp, 7 inch



420-544-165 4,0 mm

**HALLE**

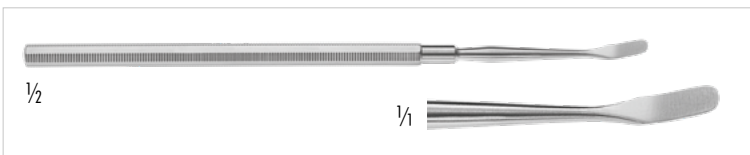
Elevatorium, stumpf, 180 mm  
Elevator, blunt, 7 inch



420-551-180 4 mm

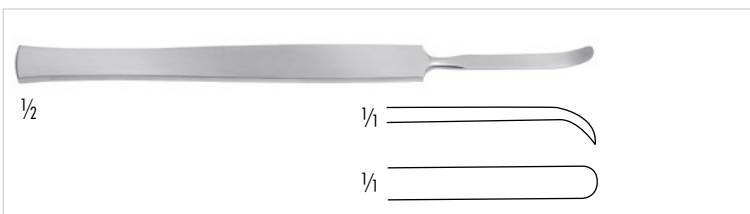
**FREER**

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

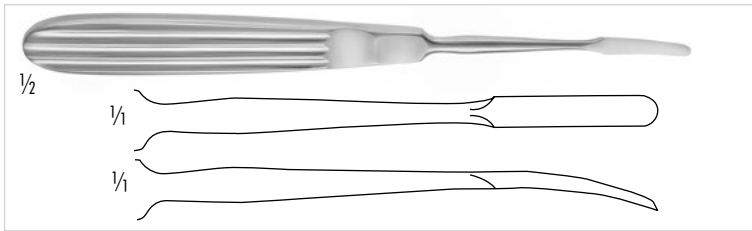


420-547-006

**ERLANGEN**

Raspatorium, 6mm breit, leicht gebogen, 175 mm  
Raspatory, 6mm wide, slightly curved, 7 inch

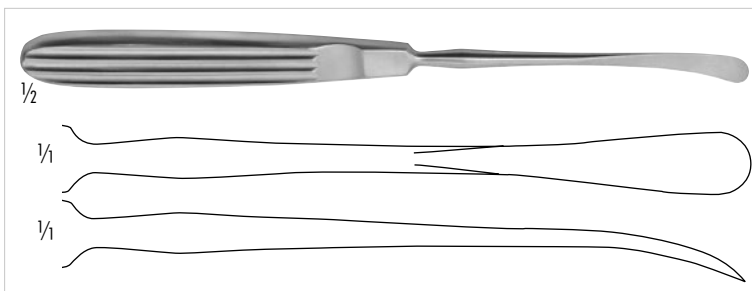




- 420-530-165 2 mm
- 420-531-165 3 mm
- 420-532-165 4 mm
- 420-533-165 5 mm

**JOSEPH**

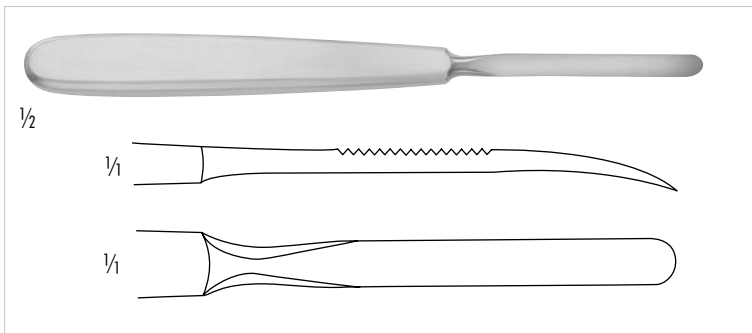
Periost-Raspatorium, leicht gebogen, 170 mm  
 Periosteal elevator, slightly curved, 6 3/4 inch



- 210-438-195 8 mm

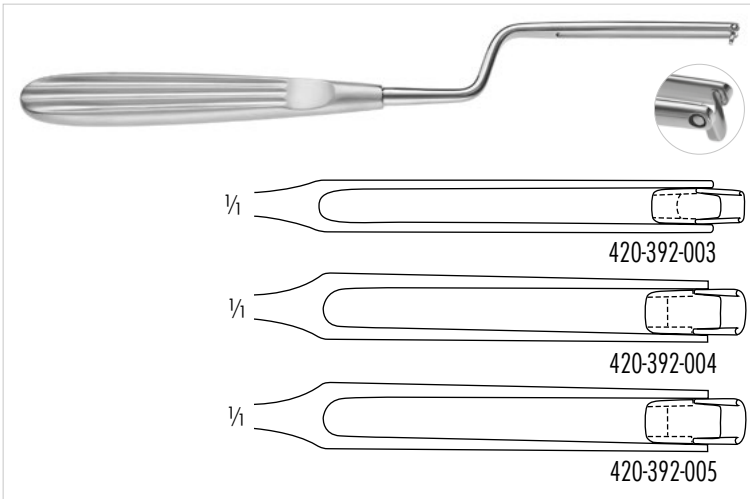
**COTTLE**

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

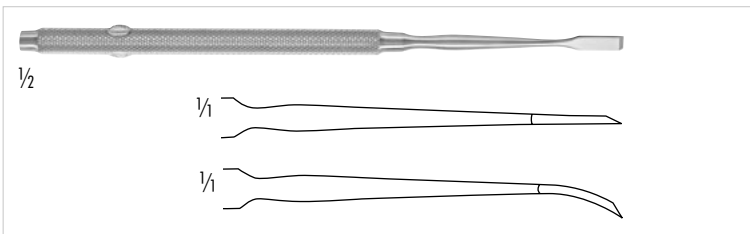
**BALLENGER**

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**

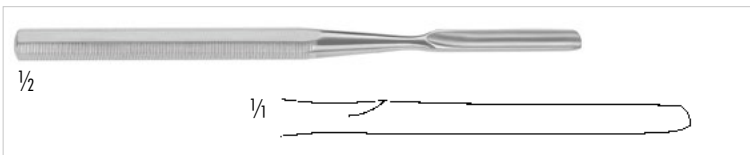
Schwingmesser, gerade, 195 mm  
Swivel knife, straight, 8 inch



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

**FREER**

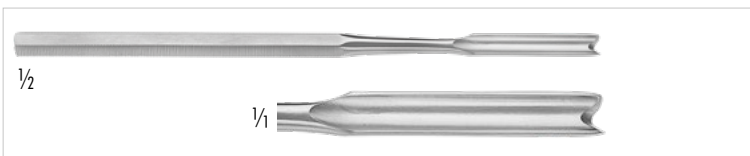
Septum Flachmeissel, 160 mm  
Septum chisel, 6 1/4 inch



- 420-550-170 6 mm

**FREER**

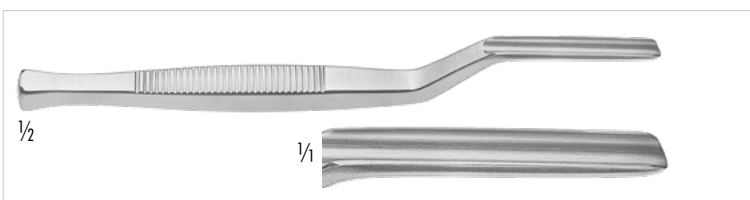
Septum-Hohlmeissel, mit runder Schneide, gerade, 150 mm  
Septum gouge, straight, round cutting edge, 6 inch



- 420-595-170 6 mm

**BALLENGER**

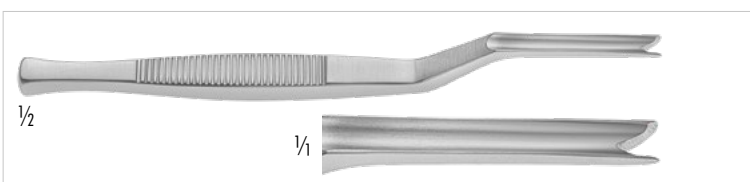
Septum-Hohlmeissel mit Kerbe, gerade, 155 mm  
Septum gouge, with notch and cutting edge, 6 inch



- 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**

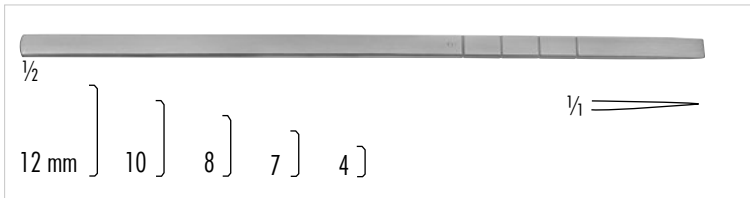
Septum-Hohlmeissel mit Kerbe, bajonettförmig gebogen, 170 mm  
Septum gouge with notch, bayonet shaped, 6 3/4 inch



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

**COTTLE**

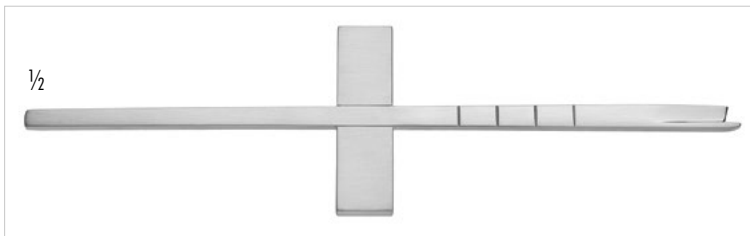
Flachmeissel, graduiert, 185 mm  
Chisel, graduated, 7 1/4 inch



- 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**

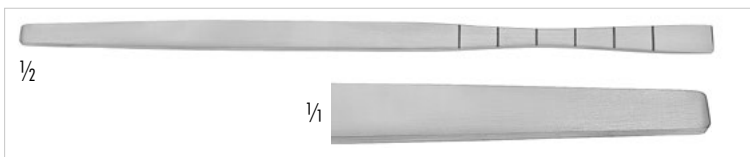
Osteotom, graduiert, 180 mm  
Osteotome, graduated, 7 inch



- 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**

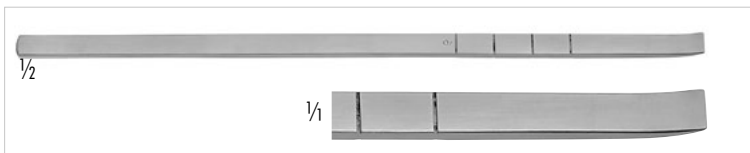
Fischschwanz Osteotom, verrundete Ecken 180 mm  
Fishtail osteotome, with protected ends, double guarded 7 inch



- 210-486-016

**COTTLE**

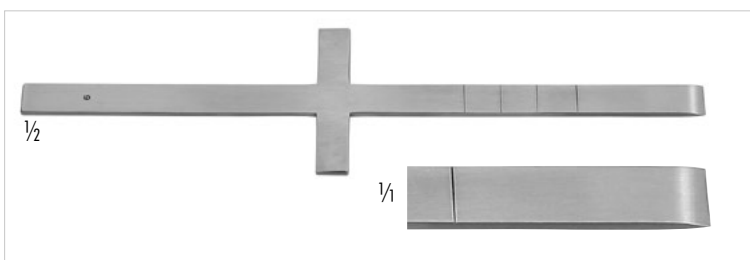
Fischschwanz Osteotom, mit Querbalken, 16mm,  
runde Schneidkanten, 180mm  
Fishtail osteotome, with crossbar, 16mm  
with round cutting end, 7 inch



- 210-486-006 6 mm

**COTTLE**

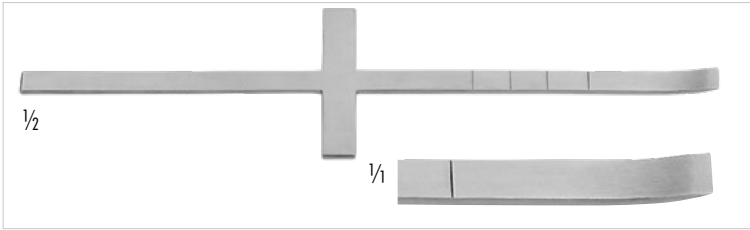
Flachmeissel, gebogen, graduiert, für transversale Osteotomie, 180 mm  
Chisel, curved, graduated, for transverse osteotomies, 7 inch



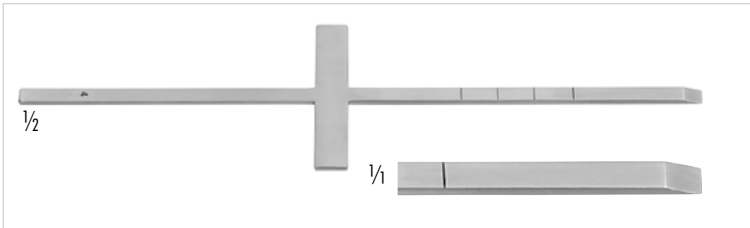
- 210-472-006 6 mm

**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, 167 mm  
 Osteotome, 6<sup>2</sup>/<sub>3</sub> 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**

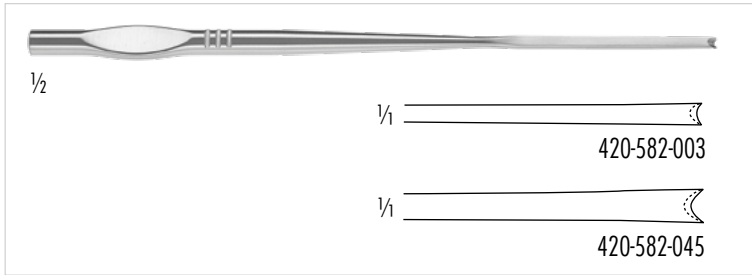
Osteotom, mit einseitigem Schutz, 160 mm  
Osteotome with single guard, 6 1/3 inch



420-470-001 gerade/straight  
420-470-002 rechts gebogen/curved right  
420-470-003 links gebogen/curved left

**RISTOW**

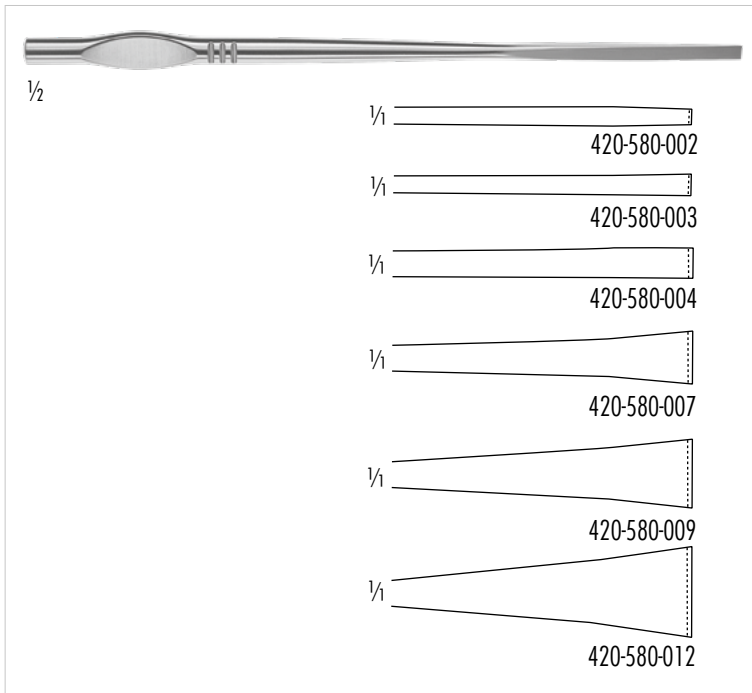
Osteotom, 200 mm  
Osteotome, 8 inch



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  
420-568-003 3 mm  
420-568-004 4 mm  
420-568-005 5 mm  
420-568-006 6 mm  
420-568-008 8 mm  
420-568-010 10 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



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

**CONVERSE**

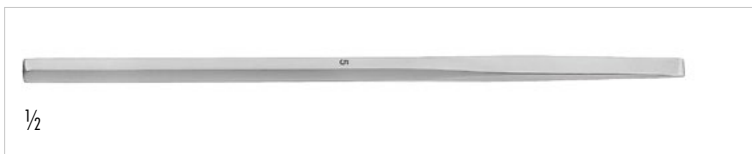
Meißel mit Schutz, 190mm  
 Chisel with single guard, 7 1/2 inch



420-500-200 3,0 mm

**REES**

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



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, 160 mm  
 Osteotome, 6 1/3 inch



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**

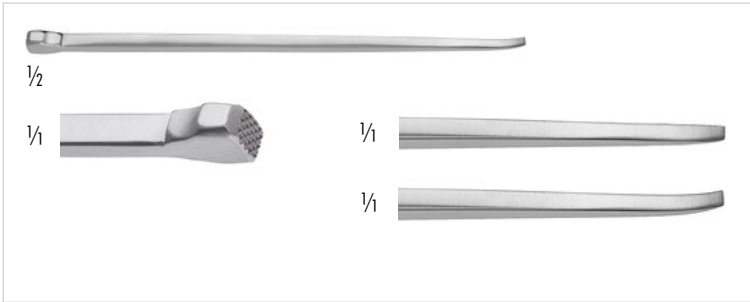
Osteotom, 160 mm  
 Osteotome, 6 1/3 inch



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	



210-114-143	3mm
210-114-145	5mm
210-114-147	7mm
210-114-149	9mm
<b>TRAUTMANN</b>	
Meissel, 140 mm	
Chisel, 5 <sup>1/2</sup> inch	



210-113-143	3mm
210-113-145	5mm
210-113-147	7mm
210-113-149	9mm
<b>TRAUTMANN</b>	
Hohlmeissel, 140 mm	
Gouge, 5 <sup>1/2</sup> 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
<b>TESSIER</b>			
Nasen Osteotom, 160 mm			
Nasal Osteotome, 6 <sup>1/3</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



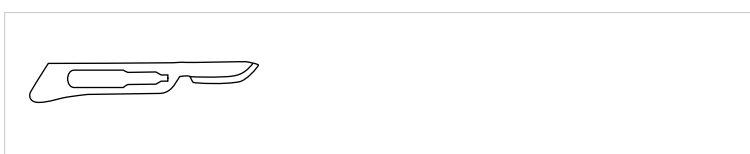
110-130-077

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



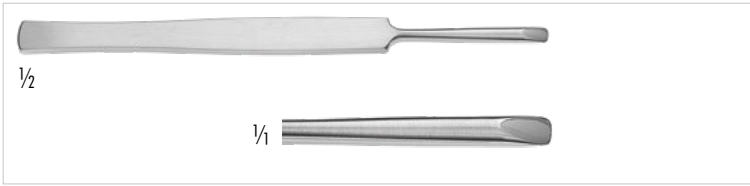
110-201-011

Skalpellklingen Fig 11, 100 Stück  
Scalpel blades Fig. 11, 100 pieces



110-201-015

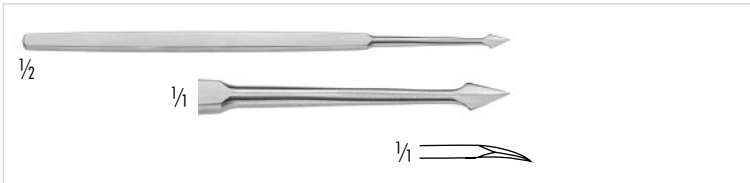
Skalpellklingen Fig. 15, 100 Stück  
Scalpel blades Fig. 15, 100 pieces



420-213-140

**COTTLE**

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



420-552-130

**MASING**

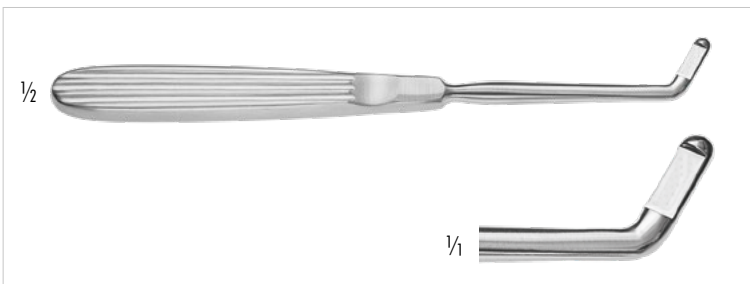
Knorpelritzmesser, in der Spitze gebogen, 130 mm  
Cartilage slitting knife, curved blade, pointed, 5 1/8 inch



420-205-160

**JOSEPH**

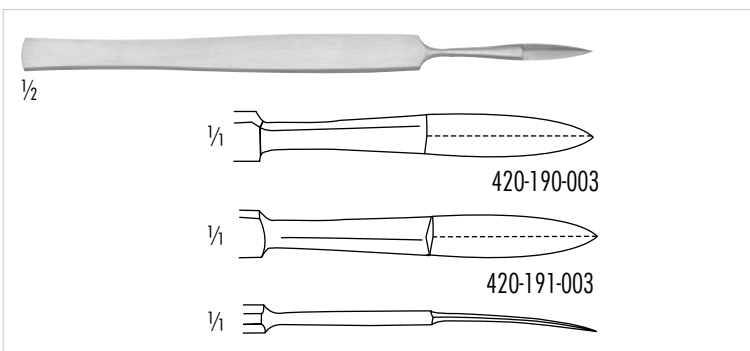
Plastikmesser, gerade, Spitze verrundet, 150 mm  
Button-end knife, straight, 6 inch



420-209-175

**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**

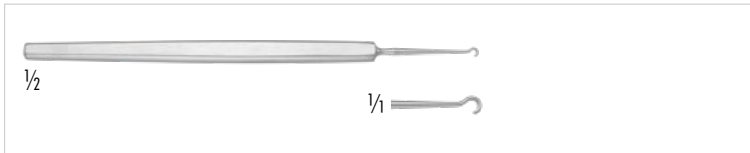
Plastikmesser mit doppelter Schneide, scharf, 150 mm  
Double-edge nasal knife, sharp, 6 inch



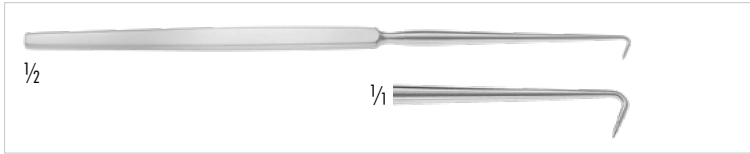
420-195-150

**FREER**

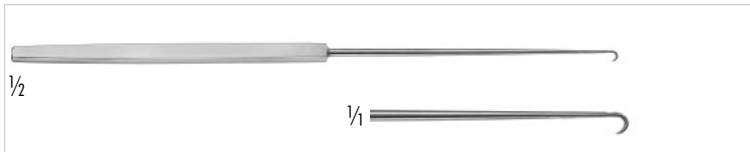
Mukosamesser, 150 mm  
Mucosa knife, 6 inch



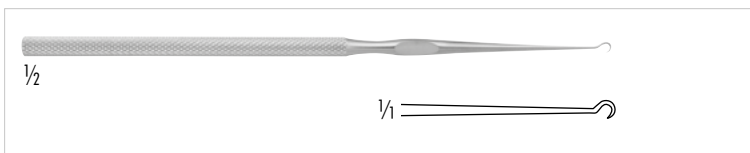
170-010-125  
**GRAEFE**  
Hauthäkchen, scharf, 120 mm  
Skin hook, sharp, 4 3/4 inch



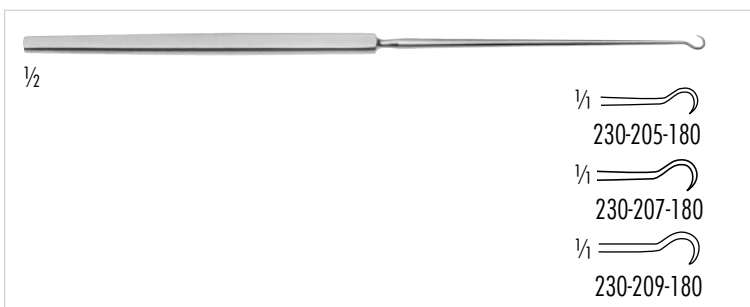
230-285-160  
**COTTLE**  
Scharfes Sehnenhäkchen, 120° retrograd gebogen, 168 mm  
Tenaculum hook, 120° retrograde curved, 6 2/3 inch



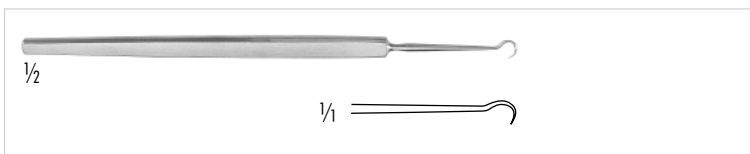
230-286-160  
**COTTLE**  
Scharfes Sehnenhäkchen, 180° retrograd gebogen, 168 mm  
Tenaculum hook, 180° retrograde curved, 6 2/3 inch



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



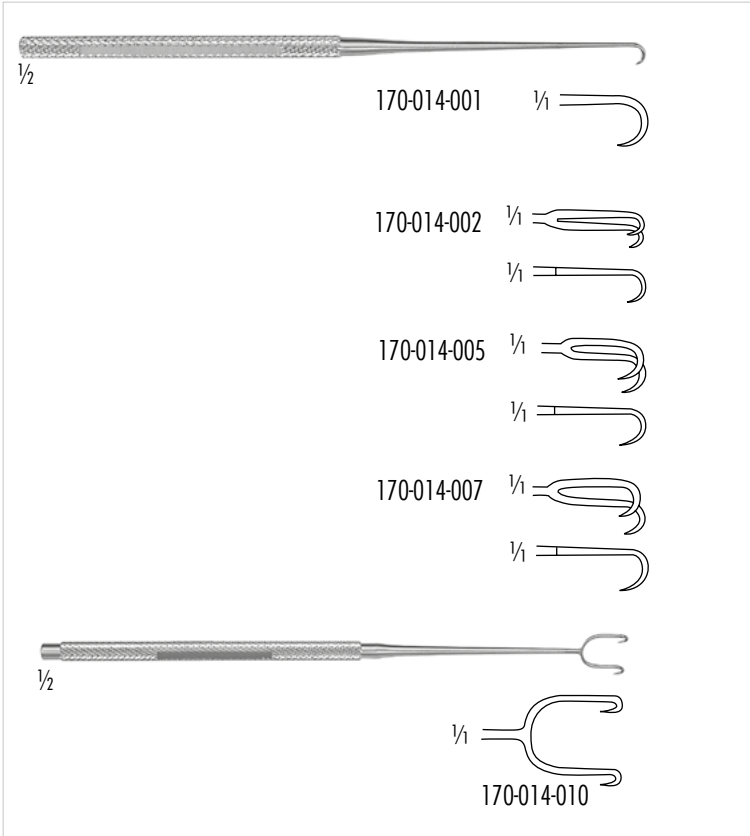
250-064-376  
**FISCH**  
Hauthäkchen, 90° abgewinkelt, scharf, 190 mm  
Skin hook, 90° angled, sharp, 7 1/2 inch



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

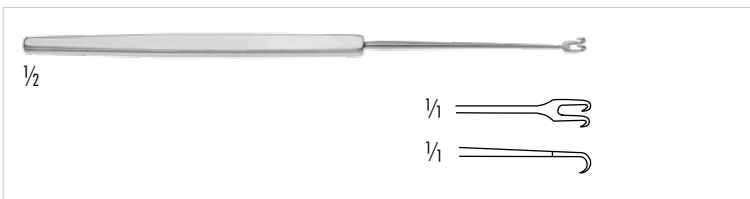
170-014-005 5 mm

170-014-007 7 mm

170-014-010 10 mm

**JOSEPH**

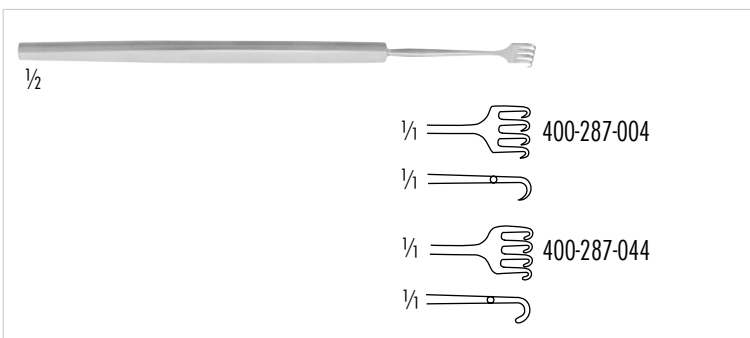
Hauthäkchen, 2 Zinken, scharf, 160 mm  
Skin hook, sharp, 2 prongs, 6 1/4 inch



230-220-001

**FREER**

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

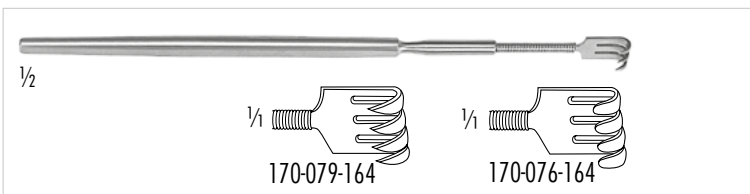


400-287-004 scharf/sharp

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

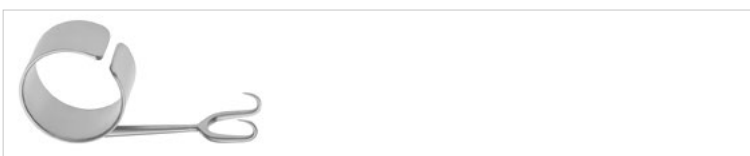
170-079-164 4 Zinken, scharf / 4 prongs, sharp

170-076-163 3 Zinken, stumpf / 3 prongs, blunt

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

Feine Wundhaken mit flexibler Spitze, 160 mm

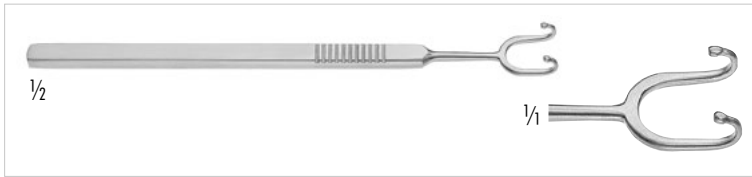
Fine hand held retractor with flexible tip, 6 1/4 inch



170-008-381

**COTTLE**

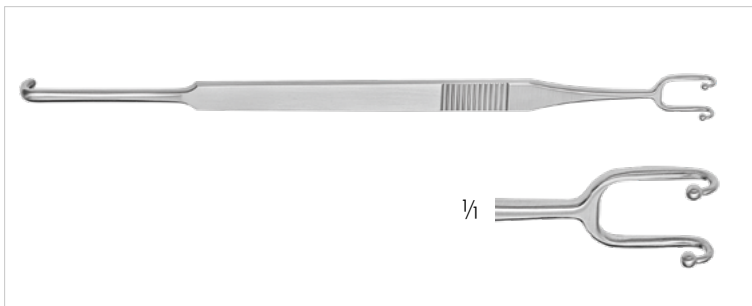
Wundhäkchen mit Ring, Arbeitslänge: 38 mm, scharf, 2-zahlig, 8 mm  
Thumb retractor, working length 1 1/2 inch, sharp, double hook, 8 mm wide



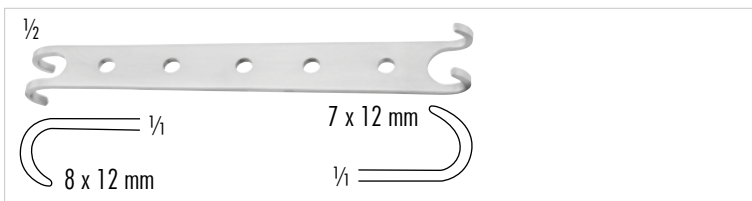
420-186-145  
**FOMON**  
Nasenflügelretractor, 2 Zinken, stumpf/stumpf, 140 mm  
Alar retractor, 2 prongs, blunt/blunt, 5 1/2 inch



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



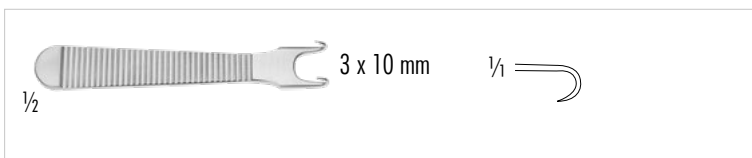
260-501-120  
**CONVERSE**  
Alar-Doppelhaken, 2 Zinken, stumpf/stumpf, 120 mm  
Alar retractor, double-ended, 2 prongs, blunt/blunt, 4 3/4 inch



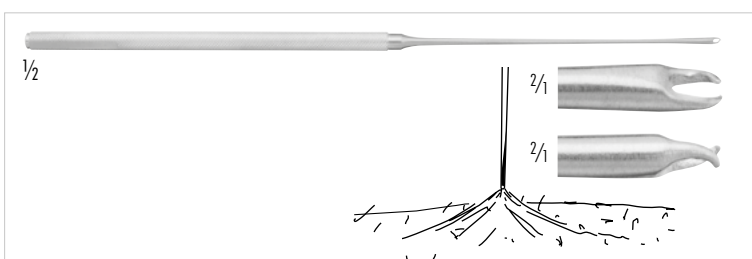
420-187-155 sharp  
420-187-255 blunt  
**RUBIN**  
Haken, 7mm lang, 5,5mm breit  
Hook, 7mm length, 5.5mm wide



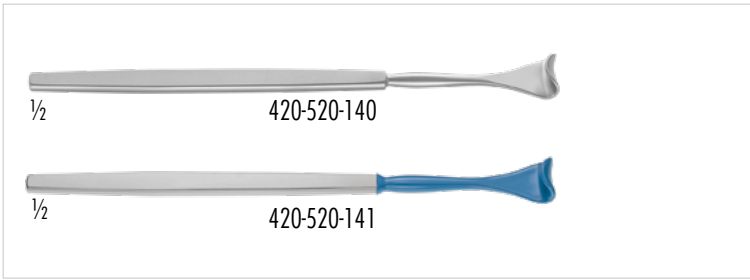
420-524-150  
**COTTLE**  
Alar Retraktor mit Lippe, 150 mm  
Alar retractor with lip, 6 inch



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



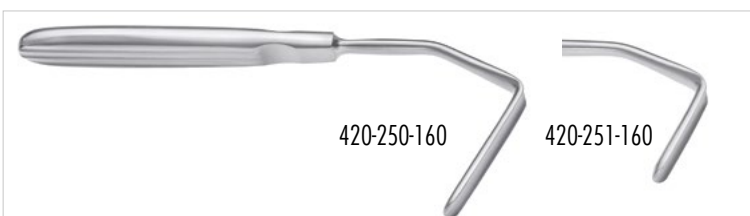
420-256-135  
**WALTER**

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



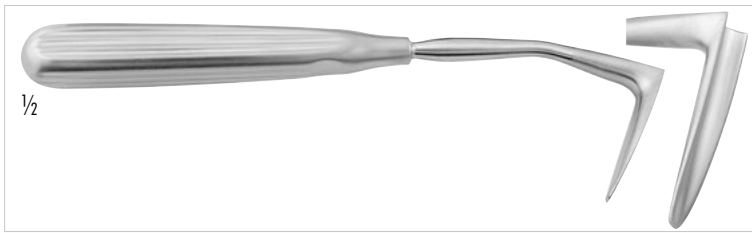
420-260-005 5mm + 42x7mm  
 420-260-008 8mm + 38x7mm  
 420-260-013 13mm + 38x7mm  
 420-260-113 13mm + 42x10mm

**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**

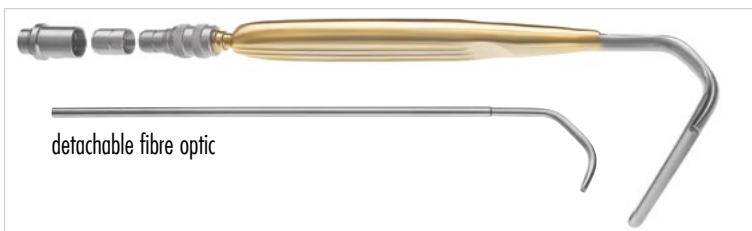
Nasenretraktor, 10 x 45 mm Blatt, 180 mm

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, 180 mm

Nasal retractor, with fibre optic, 120°, 45 mm blade, 7 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



121-188-145 gerade / straight  
121-189-145 gebogen / curved

**METZENBAUM**

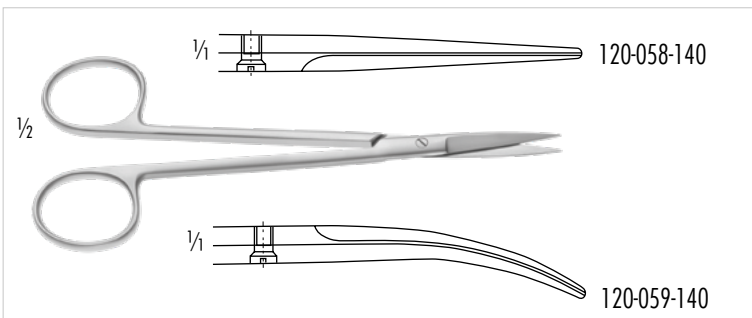
**Super-Cut** Präparierscheren, mit eckigen Ringen, 145 mm  
**Super-Cut** Dissecting scissors, with square rings, 5 3/4 inch



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

**GOLDMAN FOX**

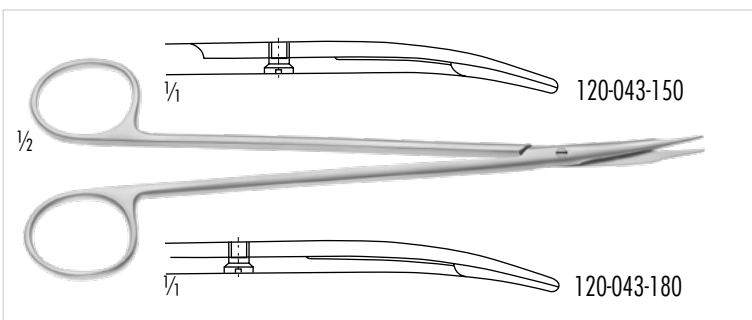
**TC** Sehnschere, eine Schneide gezahnt, 130 mm  
**TC** Tendon scissors, one blade serrated, 5 1/8 inch



120-058-140 gerade / straight  
120-059-140 gebogen / curved

**JOSEPH**

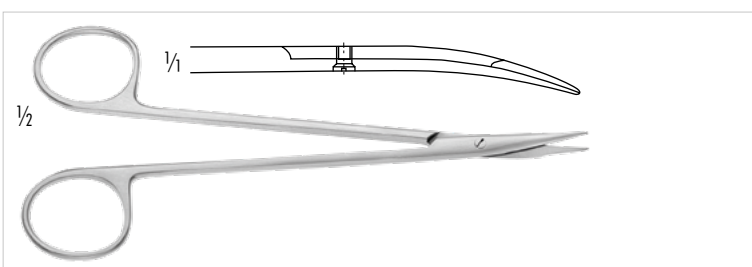
Plastikschere, spitz/spitz, 145 mm  
Plastic scissors, sharp/sharp, 5 3/4 inch



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

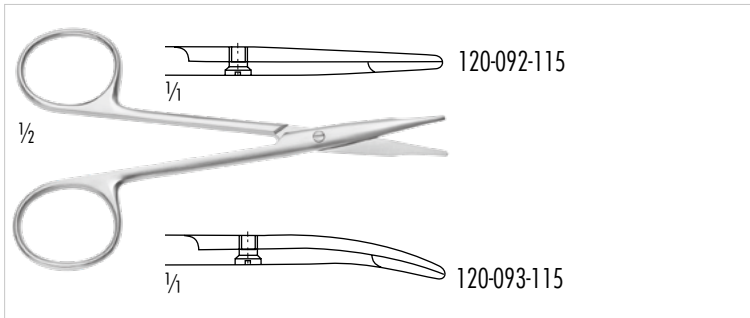


120-315-150

**JAMESON**

Präparierschere, delikat, stumpf/stumpf, gebogen, 150 mm  
Dissecting scissors, delicate, blunt/blunt, curved, 6 inch

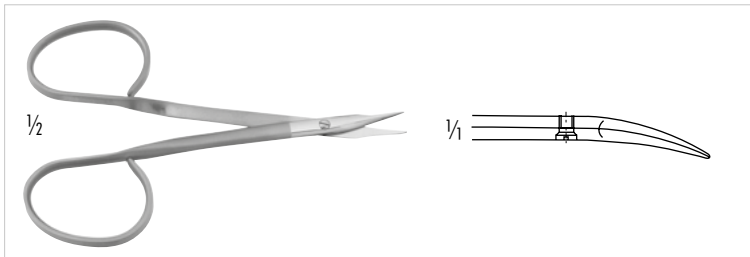




- 120-092-115 gerade, stumpf/stumpf  
straight, blunt/blunt
- 120-093-115 gebogen, stumpf/stumpf  
curved, blunt/blunt

**STEVENS**

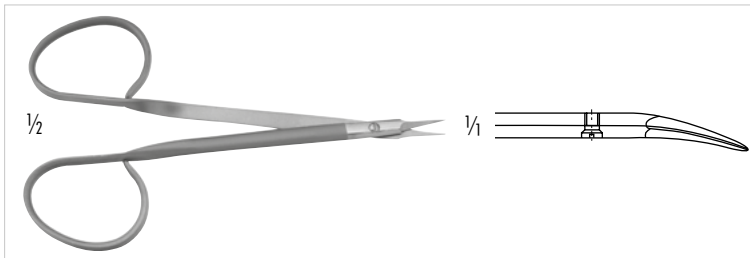
Gefäß- und Sehenschere, 110 mm  
Vessel and tendon scissors, 4 3/8 inch



- 120-099-105 gebogen / curved

**STEVENS**

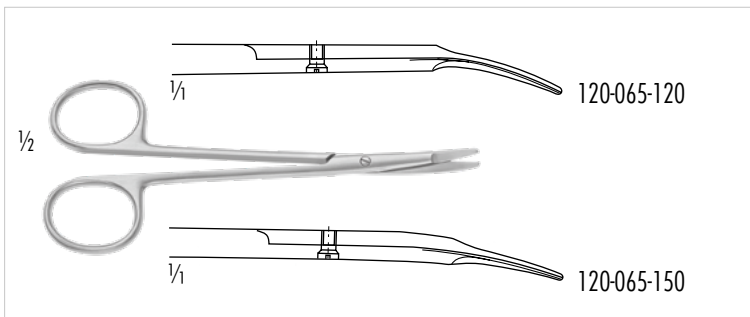
Gefäß- und Sehenschere, spitz, mit offenem Ring, 100 mm  
Vessel and tendon scissors, sharp, with Ribbon handle, 4 inch



- 120-398-120

**STEVENS**

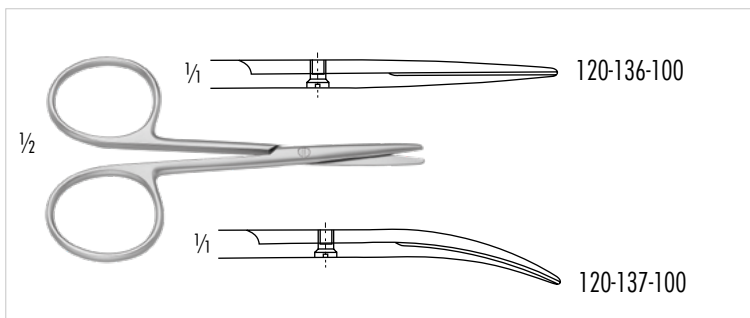
Besonders feine Präparierschere, spitz, leichtes Modell mit offenem Ring, 110 mm  
Dissecting scissors, delicate, sharp, light pattern with Ribbon handle, 4 3/8 inch



- 120-065-120 125 mm, 5 inch
- 120-065-150 150 mm, 6 inch

**KILNER**

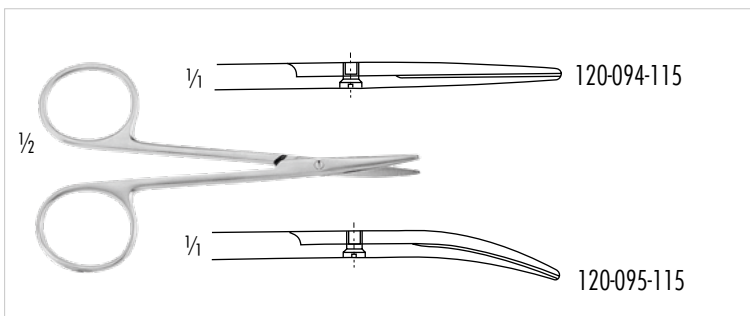
Präparierschere, mit stark abgeflachten Blättern, gebogen, stumpf/stumpf  
Dissecting scissors, with bevelled blade, curved, blunt/blunt



- 120-136-100 gerade / straight
- 120-137-100 gebogen / curved

**COTTLE-KNAPP**

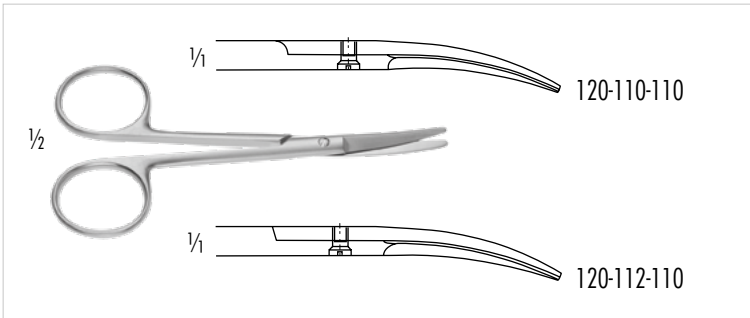
Plastikschere, stumpf/stumpf, 105 mm  
Plastic scissors, blunt/blunt, 4 1/8 inch



- 120-094-115 gerade / straight
- 120-095-115 gebogen / curved

**STRABISMUS**

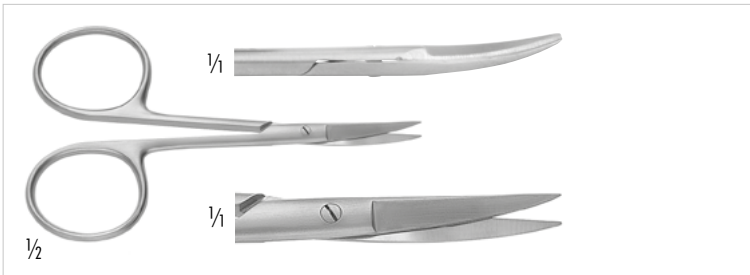
Präparierschere, 115 mm  
Dissecting scissors, 4 1/2 inch



120-110-110 spitz/spitz / sharp/sharp  
 120-112-110 stumpf/stumpf / blunt/blunt

**COTTLE-MASING**

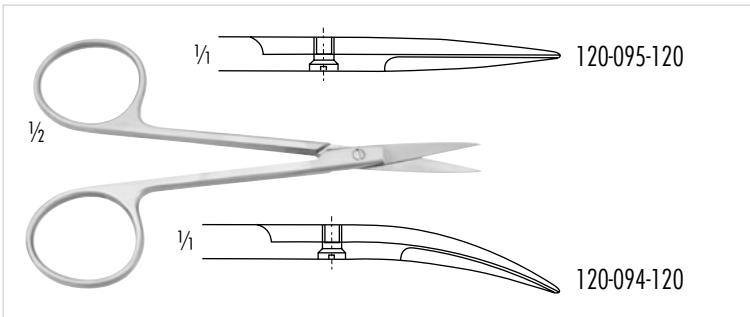
Nasenplastikschere, gebogen, 105 mm  
 Nasal plastic scissors, curved, 4 1/8 inch



120-081-100

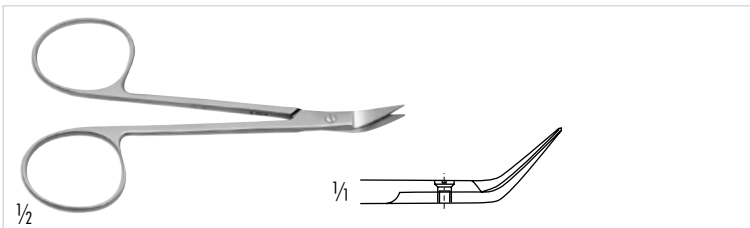
121-081-100 **Super Cut**

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

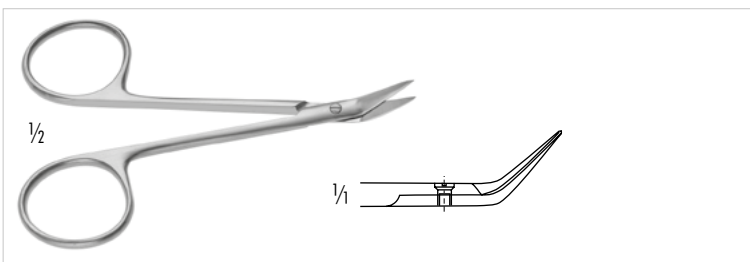
Feine Schere, 115 mm  
 Delicate scissors, 4 1/2 inch



120-411-090

**DANIELS**

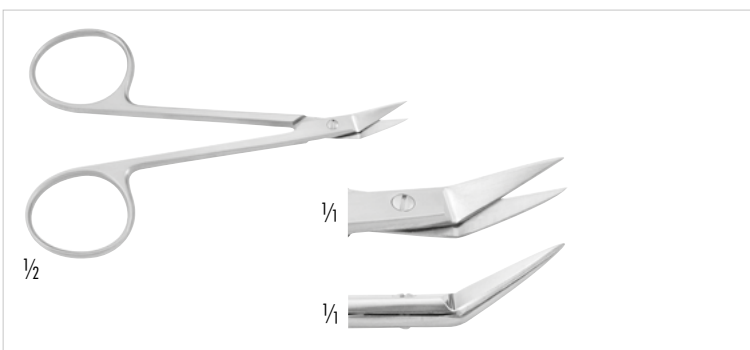
Präparierschere, 40° abgewinkelt, 90 mm  
 Dissecting scissors, 40° angled, 3 1/2 inch



120-411-105

**BIRO**

Schere, abgewinkelte Schneide, rundes Maul, 105 mm  
 Scissors, angled blades, round shape, 4 inch

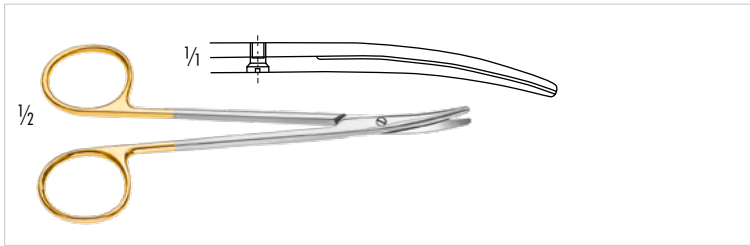


120-511-100

121-511-100 **Super Cut**

**CONVERSE**

Nasenschere, aufgewinkelte Blätter, spitz/spitz, 104 mm  
 Nasal scissors, angled up blades, sharp/sharp, 4 1/8 inch

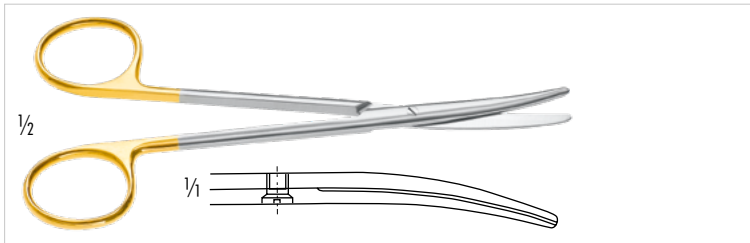


120-595-115

**BABY-METZENBAUM**

TC Präparierschere, gebogen, 115 mm

TC Dissecting scissors, curved, 4 1/2 inch

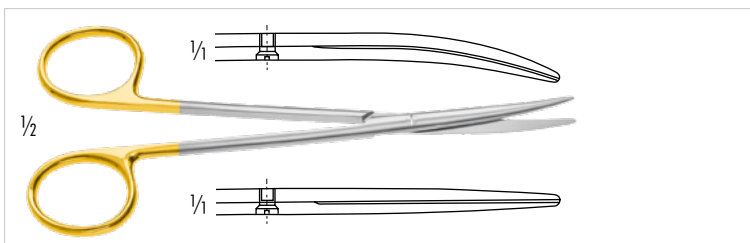


120-511-145

**METZENBAUM**

TC Präparierschere, Fig 1, gebogen, 145 mm

TC Dissecting scissors, Fig. 1, curved, 5 3/4 inch



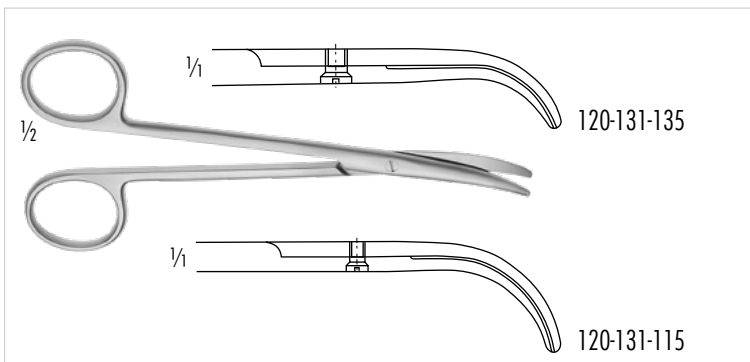
120-521-145 gebogen/curved

120-520-145 gerade/straight

**METZENBAUM-FINO**

TC Präparierschere, stumpf, 145 mm

TC Dissecting scissors, blunt, 5 3/4 inch



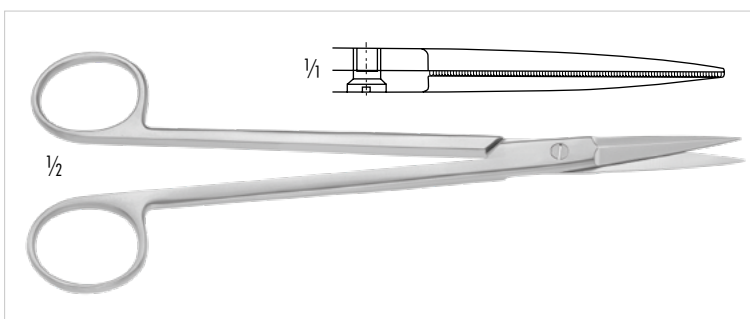
120-131-115 115 mm, 4 1/2 inch

120-131-135 135 mm, 5 1/4 inch

**FOMON**

Nasenflügelschere, stark gebogen

Lower lateral scissors, strongly curved



120-190-190

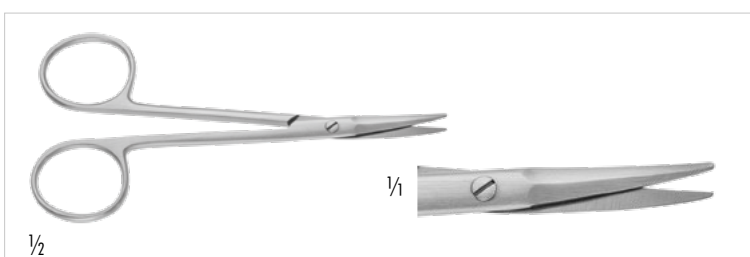
**MC INDOE**

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



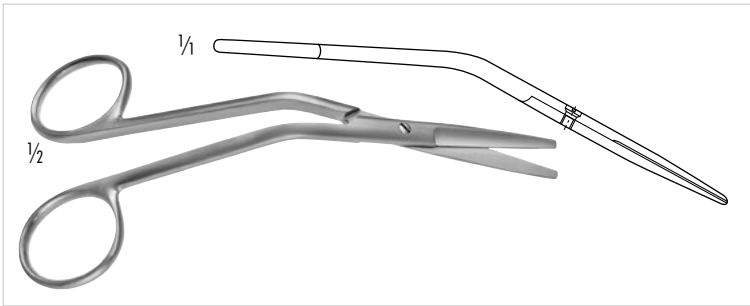
120-281-110 stumpf, 110mm/pointed, 4 3/4 inch

120-281-130 spitz, 130mm/pointed, 5 inch

**BEUSE**

Nasenschere, leicht gebogen

Nasal Scissors, slightly curved

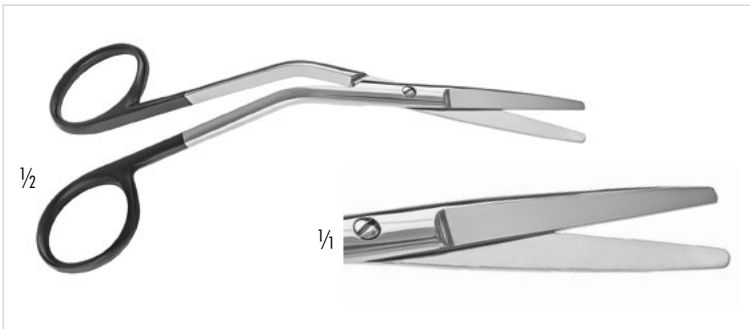


120-280-150

**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

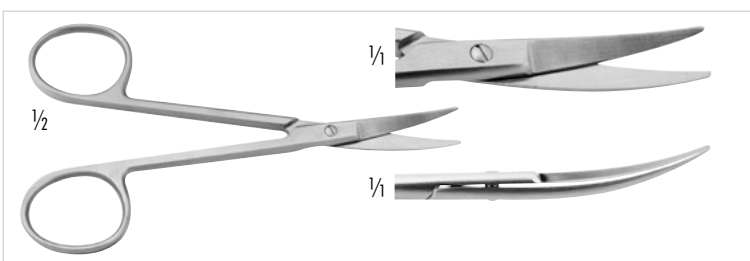


120-585-180

**KNIGHT**

TC Nasenschere, 180 mm

TC Nasal Scissors, 7 inch

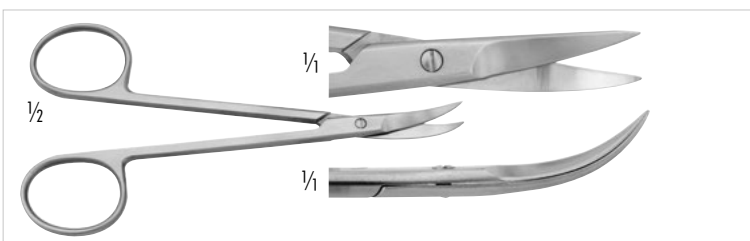


120-379-115

**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**

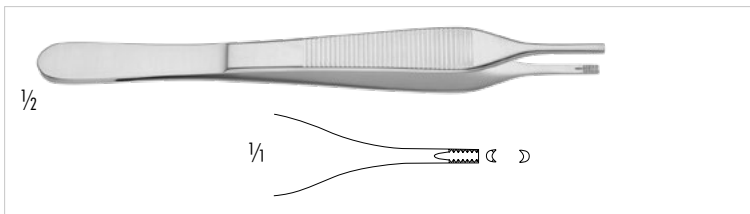
Columella-Pinzette für Kinder, mit Stellschraube  
Columella clamp for children, with adjusting screw



420-730-100

**COTTLE**

Columella-Pinzette, mit feststehenden Fixierrollen und  
Stellschraube, 100 mm  
Columella clamp, with fixation bearings and adjusting screw, 4 inch

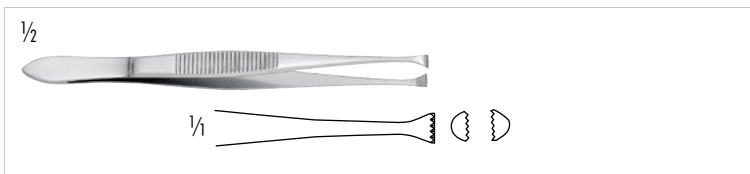


130-552-120 120mm, 4 3/4 inch

130-552-150 150mm, 6 inch

**ADSON-BRAUN**

Wundrandpinzette, 7x7 Zähne  
Tissue forceps, 7x7 teeth



400-025-110

**GRAEFFE**

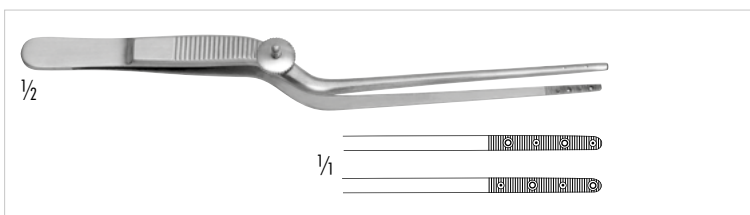
Hautfasspinzette, mit scharfen Zähnen, 110 mm  
Tissue forceps, with sharp teeth, 4 3/8 inch



130-558-150

**GLANZ**

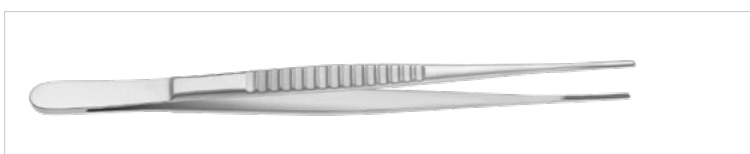
Pinzette atraumatisch, 150 mm  
Atraumatic tissue forceps, 6 inch



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**

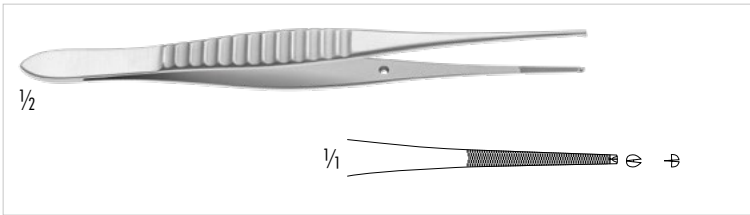
Atraumatische Pinzette, gerade, 2 mm Spitze, 160 mm  
Atraumatic forceps, straight, 2 mm tip, 6 1/4 inch



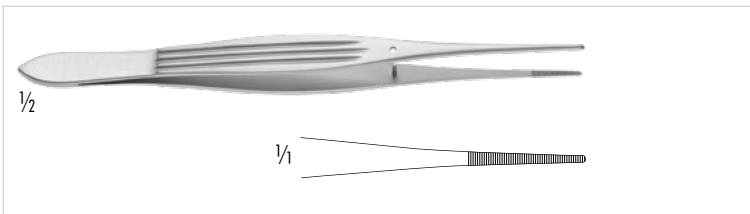
410-247-165

**SHEEN**

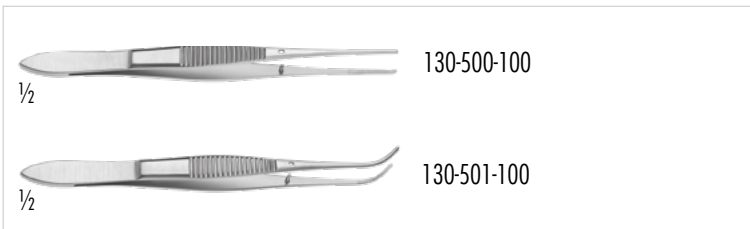
Nasenpinzette mit 6mm Löffel, bajonett gebogen, 165mm  
Nasal Forceps with 6mm spoon, bayonet shape, 6 1/2 inch



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



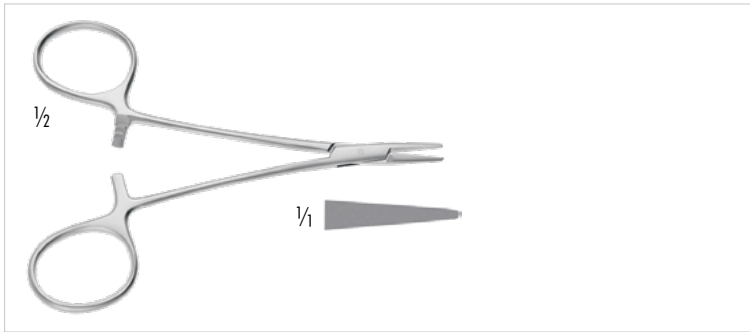
130-144-125  
**SEMKEN**  
Anatomische Pinzette, 125 mm  
Dressing forceps, 5 inch



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

**YANG**

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

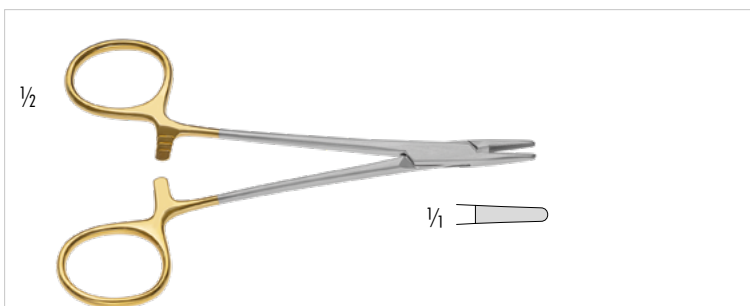
TC Needle holder, 6 inch

180-537-130

**HALSEY**

TC Nadelhalter, 130 mm

TC Needle holder, 5 1/8 inch

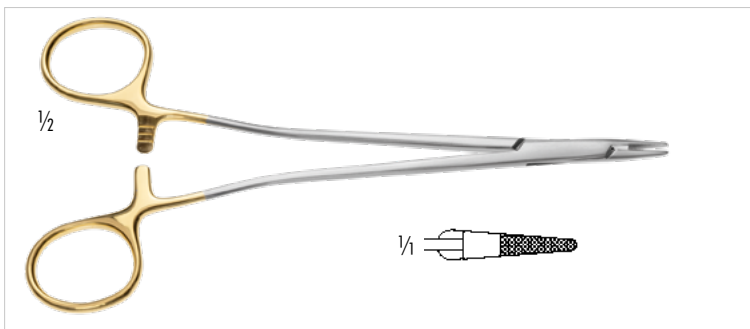


180-533-130

**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



420-390-200

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

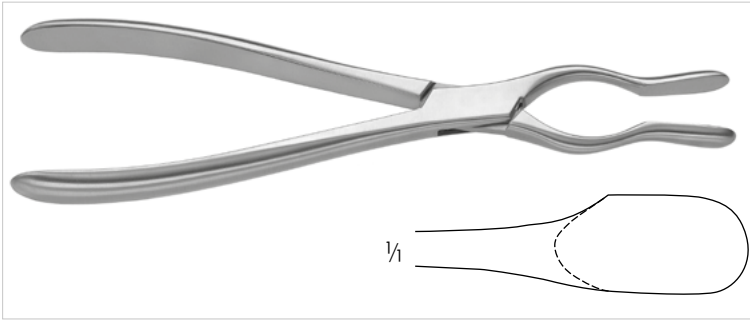
420-555-195

**BOIES**

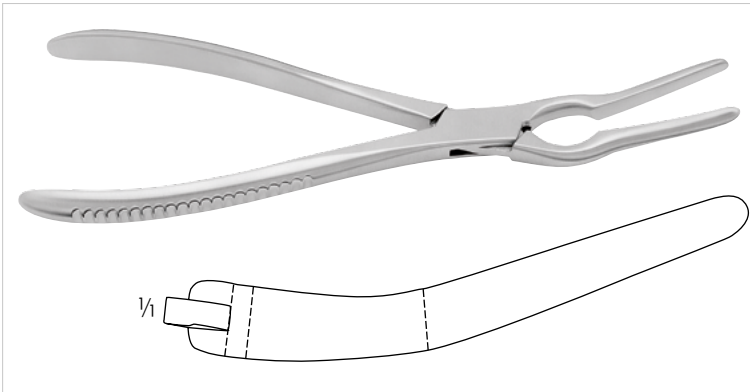
Nasenfraktürelevator, 9 mm breite Spitze, 195 mm

Nasal fracture elevator, 9 mm wide tip, 7 3/4 inch

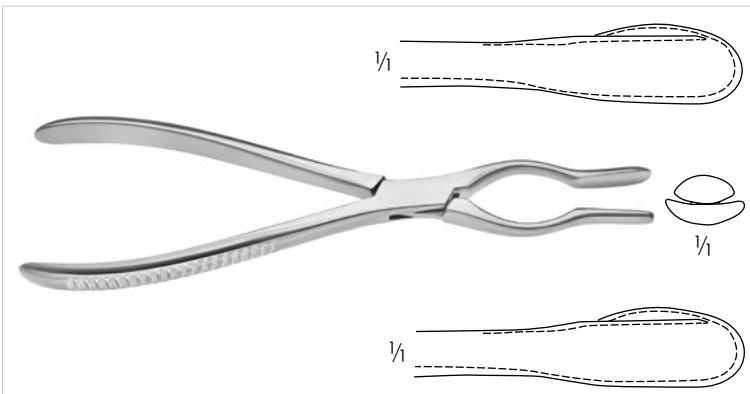




420-450-230  
**COTTLE-WALSHAM**  
Septumrichtzange mit aseptischem Schluß, 220 mm  
Septum straightening forceps, with aseptic lock, 8 3/4 inch



420-455-230  
**ASH**  
Septumrichtzange, 220 mm  
Septum straightening forceps, 8 3/4 inch

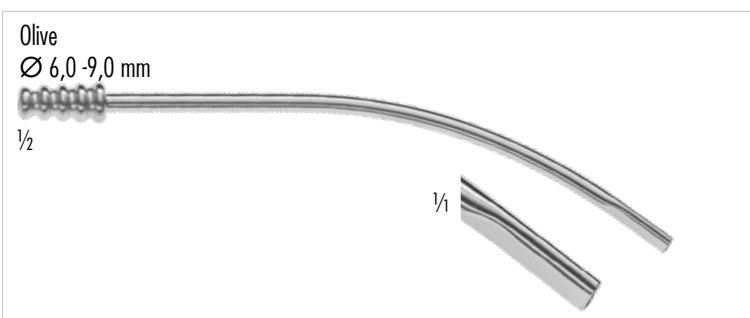


420-452-230 für rechts/right  
420-451-230 für links/left  
**WALSHAM**  
Septumrichtzange, 210 mm  
Septum straightening forceps, 8 1/4 inch

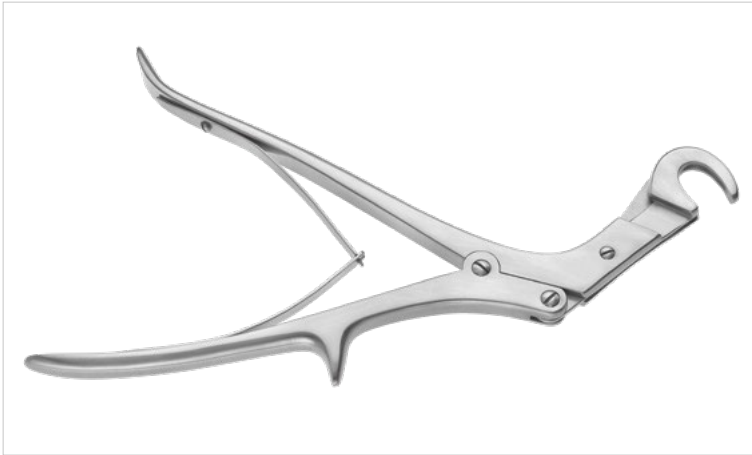


	Ø A	Ø B
410-404-030	3,6 mm	3,0 mm
410-404-035	4,0 mm	3,5 mm
410-404-040	4,5 mm	4,0 mm

**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

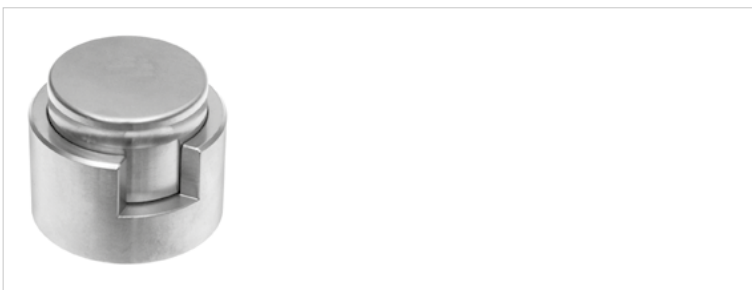


420-365-000 28mm breit/28mm wide

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  
40mm Innen-Durchmesser  
Bone crusher, inner part serrated, outer part bottom plain  
40mm inner diameter



420-367-000

85 x 55 mm

Kunststoffplatte, zur Bearbeitung der Knochentransplantate,  
dampfsterilisierbar  
Plastic plate, for preparation of bone grafts, autoclavable



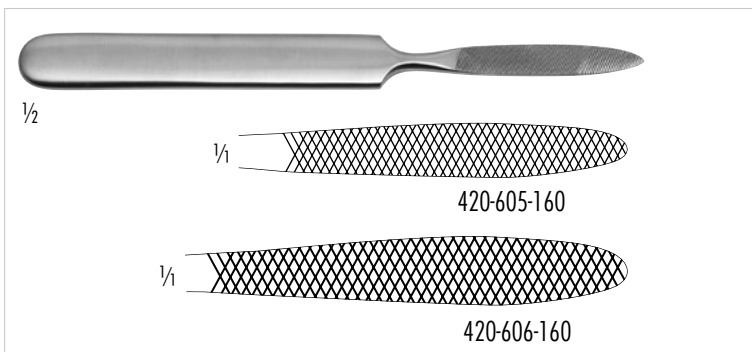
- 230-202-000 gerade/straight
- 230-202-001 bajonettförmig, links gebogen  
bayonet shaped, curved to the left
- 230-202-002 bajonettförmig, rechts gebogen  
bayonet shaped, curved to the right

**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

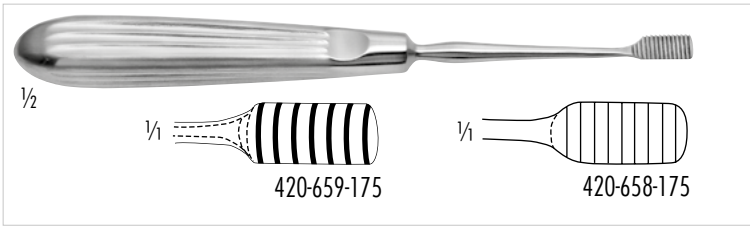


- 420-605-160 fein kariert/fine cross-serrated
- 420-606-160 grob kariert/coarse cross-serrated

**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



420-658-175

**LEWIS**

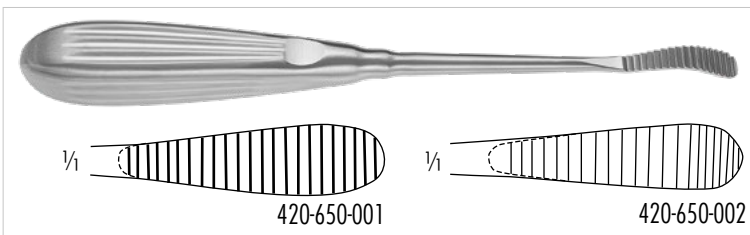
Raspel, 8 mm, 90° quer gerieft, auf Zug schneidend, feine Zahnung  
Rasp, 8 mm, 90° cross serrated, set to cut on down stroke, fine teeth



420-658-210 9x25mm

**PECK-PARK**

Raspel, 16 Zähne, 210mm  
Raspatory, 16 teeth, 8 1/4 inch



420-650-002

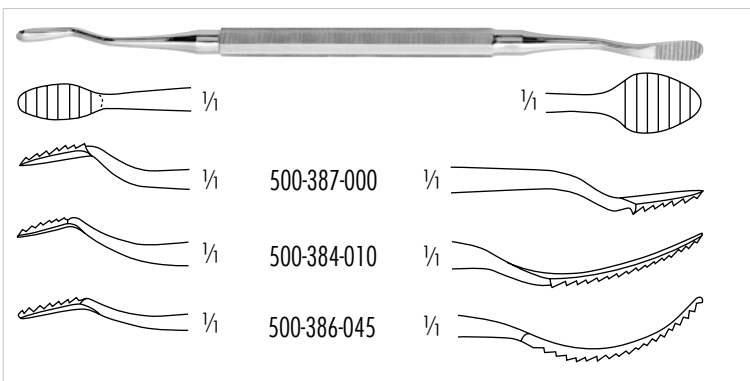
auf Druck schneidend/set to cut on up stroke

420-650-001

auf Zug schneidend/set to cut on down stroke

**AUFRICHT**

Raspel, 9 mm, 220 mm  
Rasp, 9 mm, 8 3/4 inch



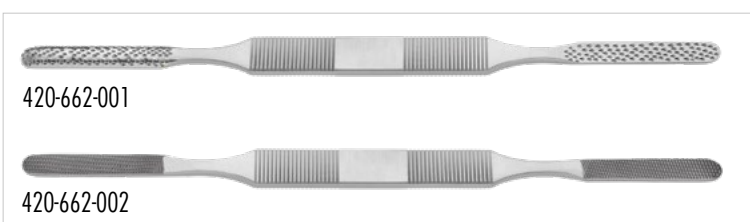
500-387-000

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

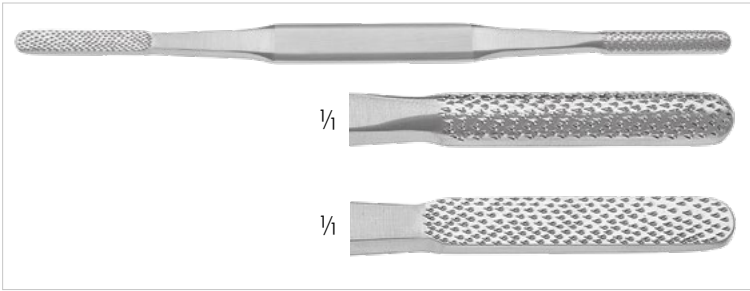
grob/coarse

420-662-002

fein/fine

**FOMON**

Nasenraspel, sehr leicht  
Nasal rasp, lightweight



420-661-100

**FOMON**

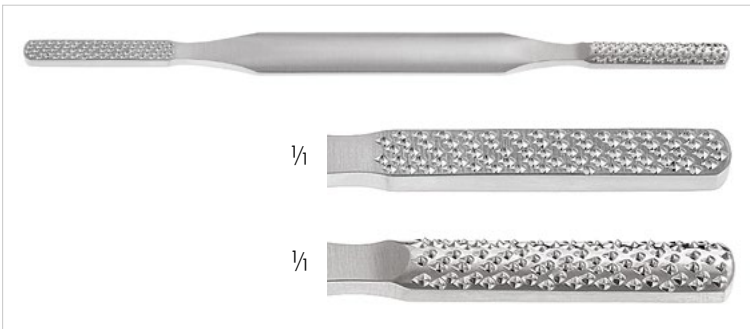
Doppelraspel, Vorderseite grob, Rückseite fein, 215 mm  
Rasp, double-ended, frontside coarse teeth, backside fine, 8 1/2 inch



420-656-000

**KLEINERT-KUTZ**

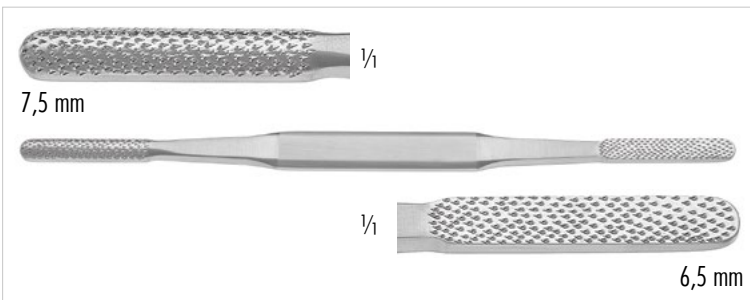
Nasenraspel, doppelendig, 4-seitig, 220mm  
Nasal rasp, double-ended, 4-sided, 8 3/4 inch



420-660-000

**FOMON**

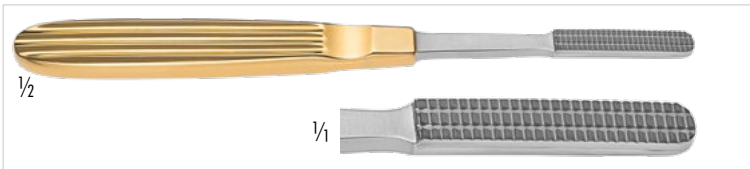
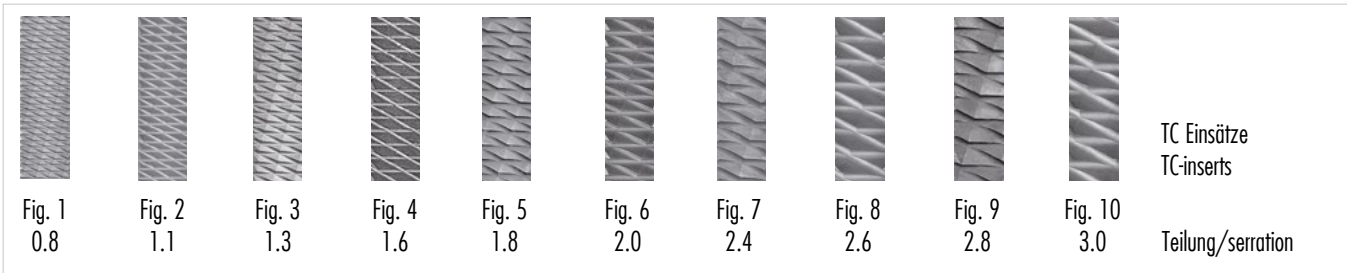
Doppelraspel, grobe Zahnung, 215 mm  
Rasp, double-ended, coarse teeth, 8 1/2 inch



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

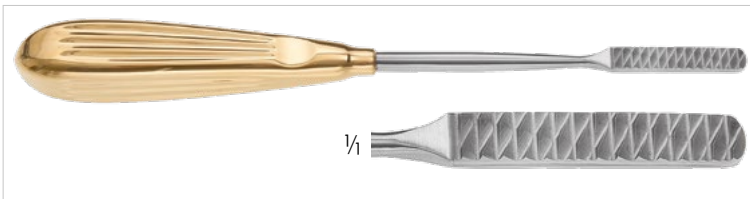
420-495-165 Fig. 5

**MALTZ**

TC Nasenraspel, 170 mm

TC Nasal rasp, 6 2/3 inch

420-496-165 Fig. 6



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

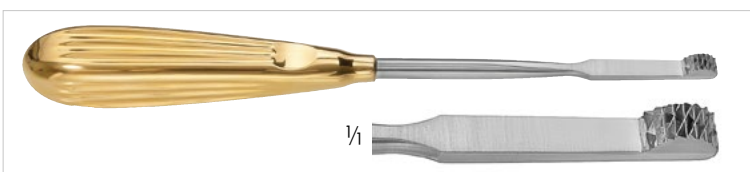
420-494-210 Fig. 5

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

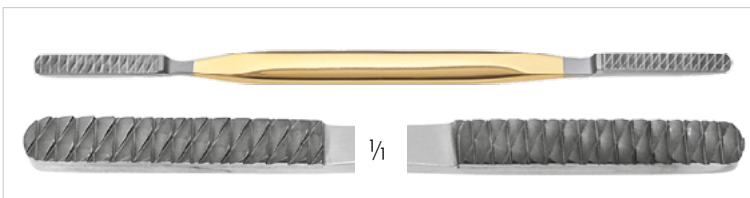


420-669-210

**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

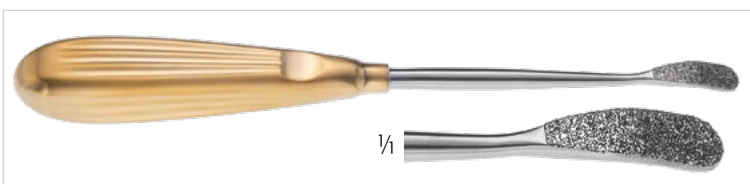
420-660-219 Fig. 1/Fig. 2

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

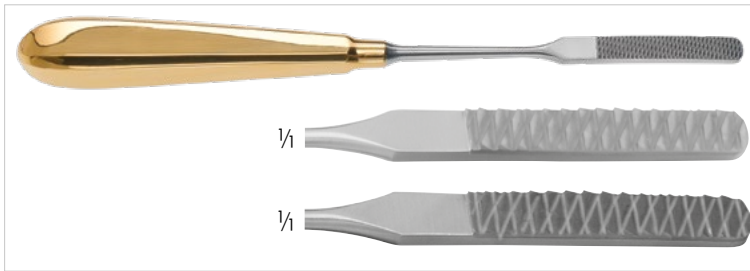


420-650-101

**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**

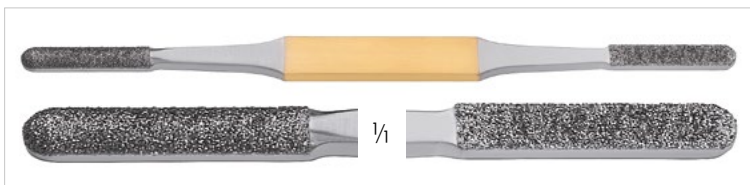
Nasenraspel, 200 mm  
Nasal rasp, 8 inch



420-650-100

**PEET-COTTLE**

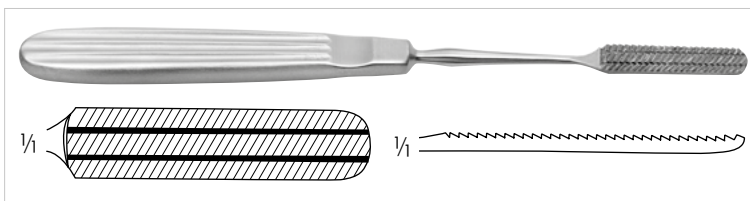
Nasenraspel, gebogen, RZ diamantiert, 175 mm  
Nasal rasp, curved, RZ diamond tip, 7 inch



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

**BARSKY-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





420-700-400  
**NOLST TRENIÉ**  
 Glabella Raspel, 8mm breit, 185mm  
 Glabella Rasp, 8mm wide, 185mm



420-700-501 medium  
 420-700-502 medium/fine  
**NOLST TRENIÉ**  
 Nasen Raspel, doppelendig, TC Einsätze, 200mm  
 Nasal Rasp, double ended, TC Inserts, 200mm



420-700-001 1 Zahn / 1 prong  
 420-700-002 2 Zähne / 2 prongs  
**NOLST TRENIÉ**  
 Mikro Hauthäkchen, 155mm  
 Micro Skin Hook, 155mm



420-700-210  
**NOLST TRENIÉ**  
 Mikro Hauthäkchen, 2 Zähne, 10mm breit  
 Micro Skin Hook, 2 prongs, 10mm wide



420-700-200  
**NOLST TRENIÉ**  
 Aufrecht Nasen Retraktor, 160mm  
 Upright Nasal Retractor, 160mm



420-700-020 2.0mm  
 420-700-025 2.5mm  
 420-700-030 3.0mm  
 420-700-040 4.0mm  
 420-700-060 6.0mm  
**NOLST TRENIÉ**  
 Mikro Osteotom  
 Micro Osteotome





420-700-022 2.2mm  
 420-700-023 3.0mm  
 420-700-024 4.0mm

**NOLST TRENITÉ**

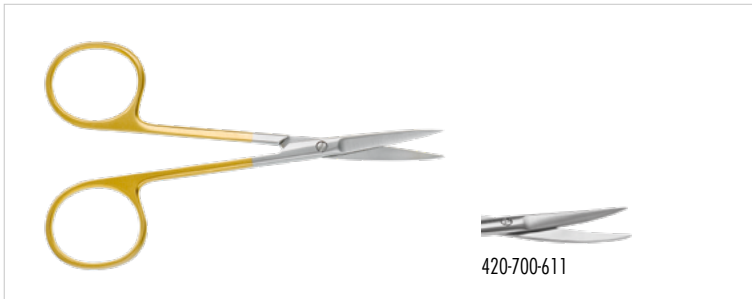
Mikro Osteotom mit Schutz  
 Micro Osteotome with guard



420-700-100 10mm  
 420-700-120 12mm  
 420-700-140 14mm  
 420-700-160 16mm  
 420-700-180 18mm

**NOLST TRENITÉ**

Osteotom  
 Osteotome



420-700-610 gerade / straight  
 420-700-611 gebogen / curved

**NOLST TRENITÉ**

Rhinoplastik Schere, spitz 100mm  
 Rhinoplasty Scissors, sharp, 100mm



420-700-340

**NOLST TRENITÉ**

Plastik Schere, Kilner Ausführung, 140mm  
 Dissecting Scissors, Kilner type, 140mm



420-700-620

**NOLST TRENITÉ**

Gewinkelte Schere, Walter Ausführung, 100mm  
 Angled Scissors, Walter type, 100mm



420-700-630

**NOLST TRENITÉ**

Chirurgische Pinzette mit seitlichen Zähnen, Adson-Brown Ausführung, 120mm

Tissue Forceps, side grasping teeth, Adson-Brown type, 120mm

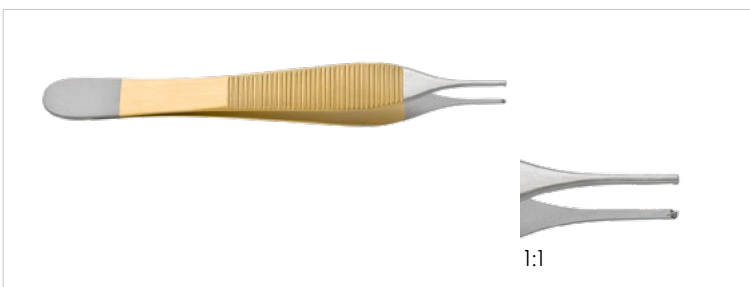


420-700-640

**NOLST TRENITÉ**

Anatomische Pinzette, Adson-Ausführung, 120mm

Dressing Forceps, Adson type, 120mm



420-700-650

**NOLST TRENITÉ**

Chirurgische Pinzette, Adson-Ausführung, 120mm

Tissue Forceps, Adson type, 120mm



420-700-330

**NOLST TRENITÉ**

Nadelhalter mit TC Einsätzen, Hasley Ausführung, 130mm

Needle Holder, TC Inserts, Hasley Type, 130mm



420-700-700

**NOLST TRENITÉ**

Nasal Forceps, delicate, Blakesley type, 3.5mm, 85mm  
Nasenzange, zart, Blakesley-Ausführung, 3,5mm, 85mm



420-700-888

**NOLST TRENITÉ**

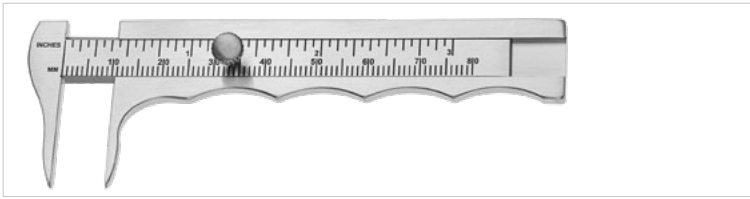
Hammer, Cottle Ausführung  
Mallet, Cottle type



420-700-777

**NOLST TRENITÉ**

Knorpelquetscher, Cottle Ausführung  
Cartilage Crusher, Cottle type

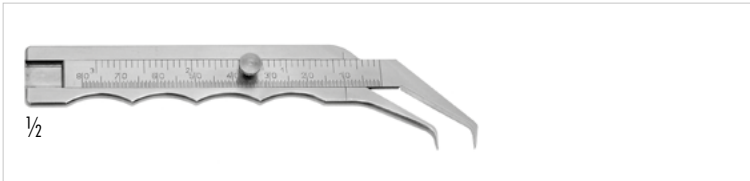


400-421-000

**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

0 - 15 mm, 70mm

400-583-007

0 - 20 mm, 85mm

400-583-008

0 - 40 mm, 180mm

**CASTROVIEJO**

Hautmeßzirkel

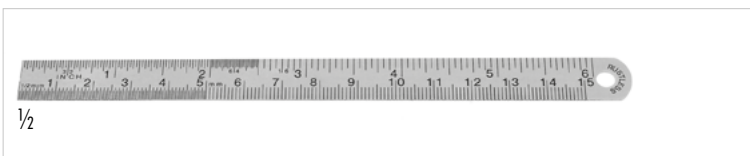
Caliper

400-583-009

**CASTROVIEJO**

Hautmeßzirkel, Meßbereich 0 - 20 mm, gebogene Spitze, 70mm

Caliper, measuring range 0 - 20 mm, curved tip, 2 3/4 inch



100-418-150

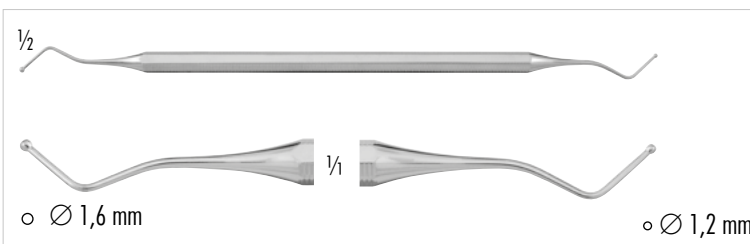
150mm, 6 inch

100-418-200

200mm, 8 inch

Lineal, mit mm und inch Markierung

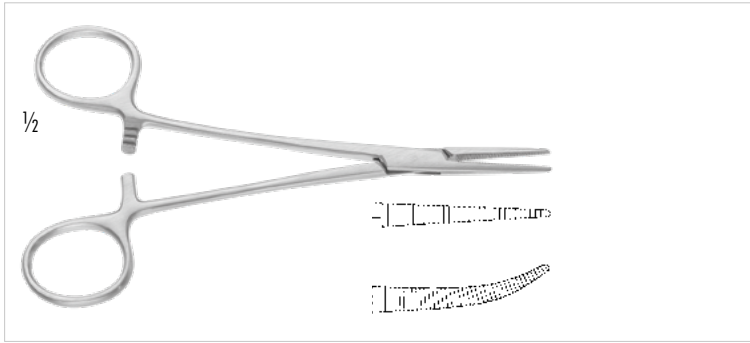
Ruler, with mm and inch markings



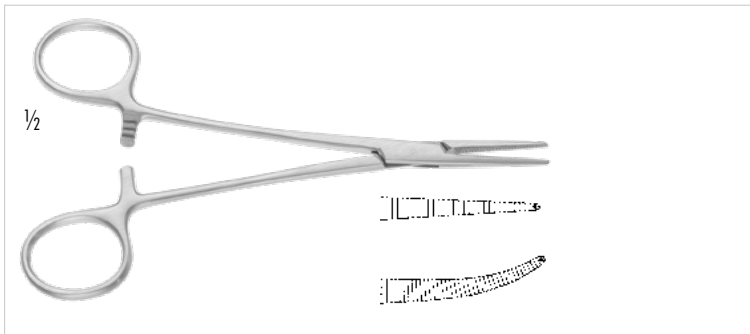
500-270-002

Tamponaden-Stopfer, doppelt,  $\varnothing$  1,6/1,2 mm, 170 mm

Dressing plugger, double-ended,  $\varnothing$  1.6/1.2 mm, 6 3/4 inch



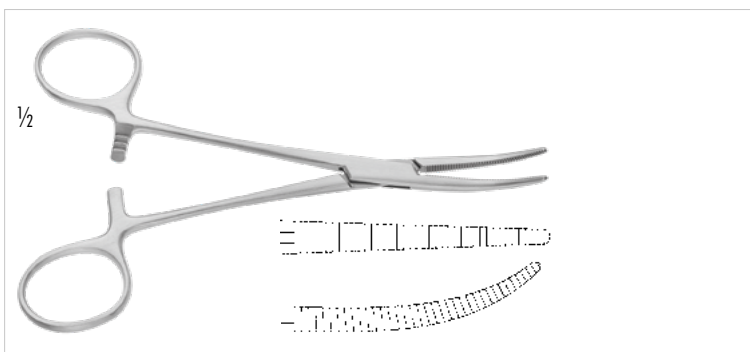
140-254-125 gerade/straight  
 140-255-125 gebogen/curved  
**HALSTED-MOSQUITO**  
 Arterienklemme, 125 mm  
 Hemostatic forceps, 5 inch



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 3 ml  
 165-855-050 5 ml  
 165-855-100 10 ml  
 Spritze komplett  
 Syringe complete



165-856-020 3 ml  
 165-856-050 5 ml  
 165-856-100 10 ml  
 Glaszylinder, allein  
 Glas cylinder, only



252-005-170  
 Tonsillenkanüle, gerade, mit LUER-Lock-Ansatz, 160 mm  
 Tonsil needle, straight, with LUER-lock attachment, 6 1/4 inch



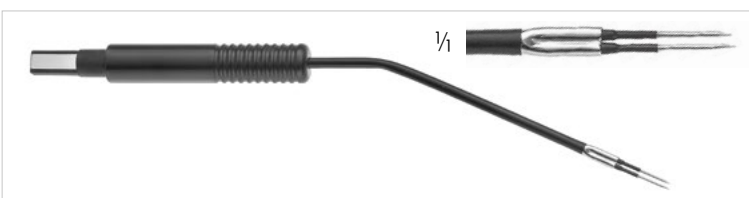
252-003-170  
 Septumkanüle, abgewinkelt, mit LUER-Lock Ansatz, 160 mm  
 Septum needle, angled, with LUER-lock attachment, 6 1/4 inch



252-004-170  
 Tonsillenkanüle, 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



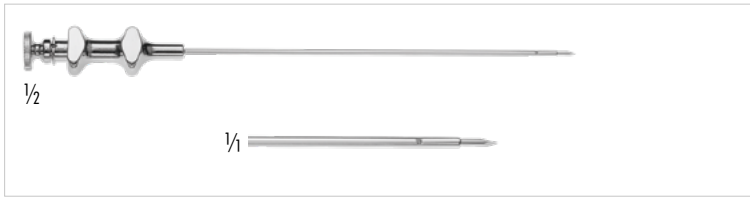
700-420-002  
 Bipolare Elektrode für Nase, mit Flachstecker  
 Bipolar Electrode for Nose, with flat plug



700-801-165  
 Bipolare Pinzette kniegebogen, spitz, Flachstecker 165mm  
 Bipolar Forceps angled, pointed, flat-plug square, 6 1/2 inch

# SINUSCOPY

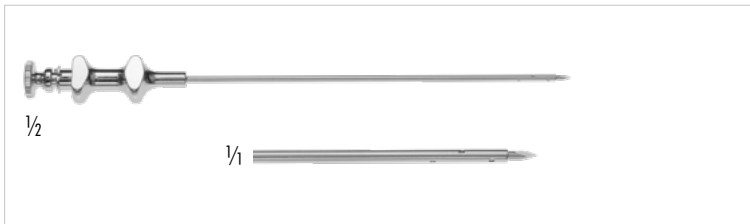




252-015-110 Ø 1,5 mm  
252-020-110 Ø 2,0 mm

**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**

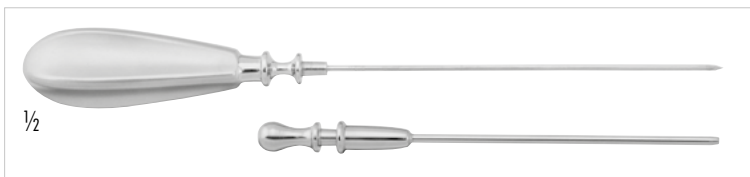
Kieferhöhlenpunktionskanüle mit Luer-Ansatz, 105 mm  
Antrum trocar needle, Luer attachment, 4 inch



165-052-018

**LICHTWITZ**

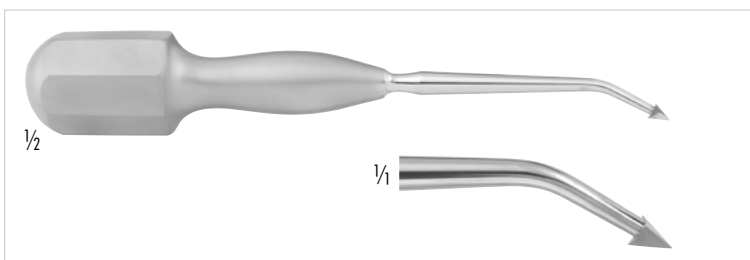
Kieferhöhlentrokar, Ø 1,8 mm, 180 mm, Arbeitslänge: 85 mm  
Antrum trocar, Ø 1.8 mm, 7 inch, working length: 3 1/2 inch



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



165-059-170 Ø 4 mm

**TILLEY**

Harpunentrokar, 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**

Kiefernhöhenspülröhrchen, 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**

Kiefernhöhenspülröhrchen, 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



165-072-025 Ø 2,5 mm

**SIEBENMANN**

Kiefernhöhlenspülröhrchen, mit der Öffnung am äußeren Biegeradius, stumpf, 130 mm

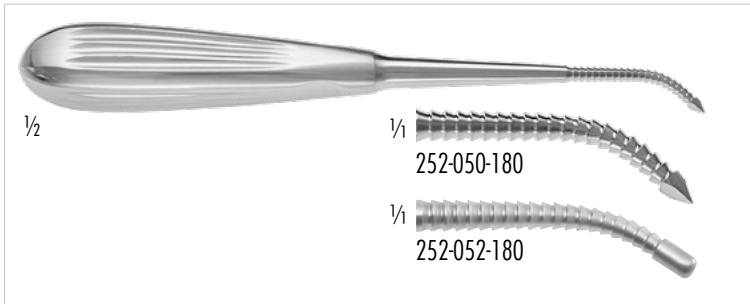
Irrigation antrum cannula, with outside opening, blunt, 5 1/8 inch



165-076-300

Spülschlauch, Silikon, autoklavierbar, komplett mit LUER-Lock Adapter, 300 mm

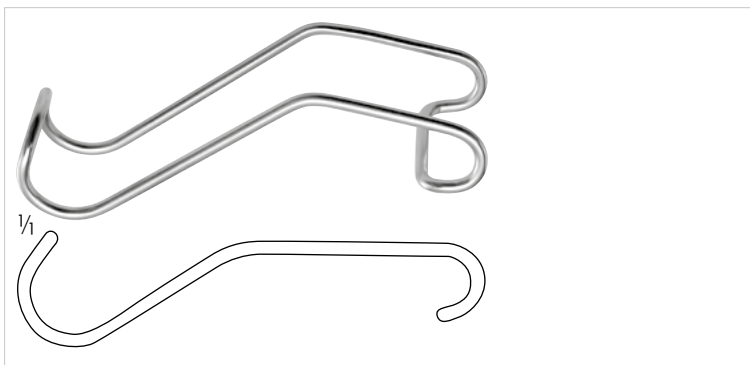
Irrigation tube, silicone, autoclavable, complete with LUER-Lock attachment, 12 inch



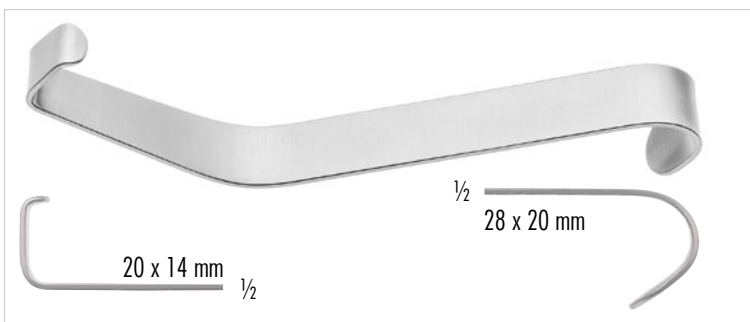
252-050-180 spitz / sharp  
 252-052-180 stumpf / blunt  
 Kieferhöhlen Trephin, amerikanisches Modell, 180 mm  
 Antrum trephine, American pattern, 7 inch



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  
**HAJEK**  
 Wundhaken, 180 mm  
 Wound retractor, 7 inch



170-293-001 30 x 11 mm  
**LANGENBECK**  
 Wundhaken, 220 mm  
 Wound retractor, 8 3/4 inch



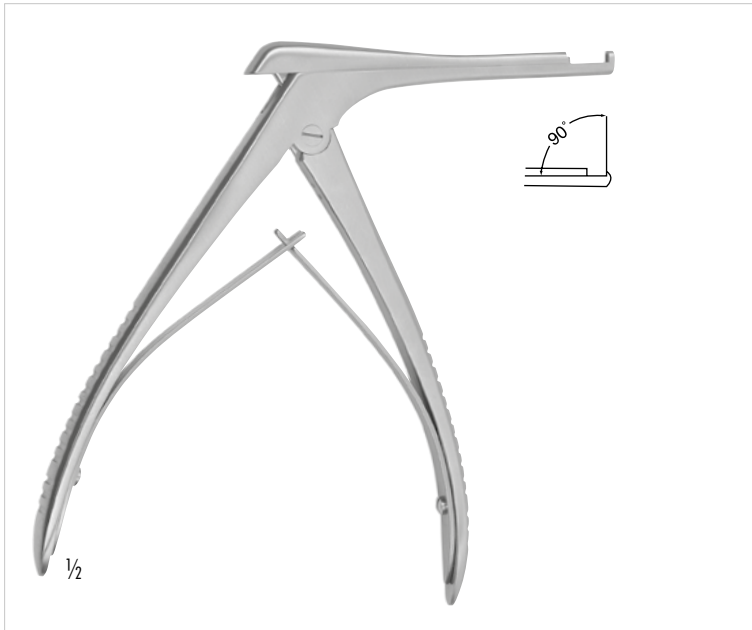
252-500-175 3mm Ausschnitt/bite  
 252-499-175 2mm Ausschnitt/bite  
 Stirnhöhlenstanze, 70° im Schaft aufgebogen,  
 40° nach oben vorwärts schneidend, Arbeitslänge: 140mm  
 Frontal Sinus Punch Forceps, sheath 70° upturned,  
 40° upbiting forward, working length: 5½ inch



252-150-110  
 Antrum Stanze, 65° vorwärts schneidend,  
 3,5 x 3,7mm Schnitt  
 Antrum Punch, 65° forward biting,  
 3.5 x 3.7mm bite



252-151-110  
 Antrum Stanze, 30° aufgebogen  
 Antrum Punch, 30° upwards curved

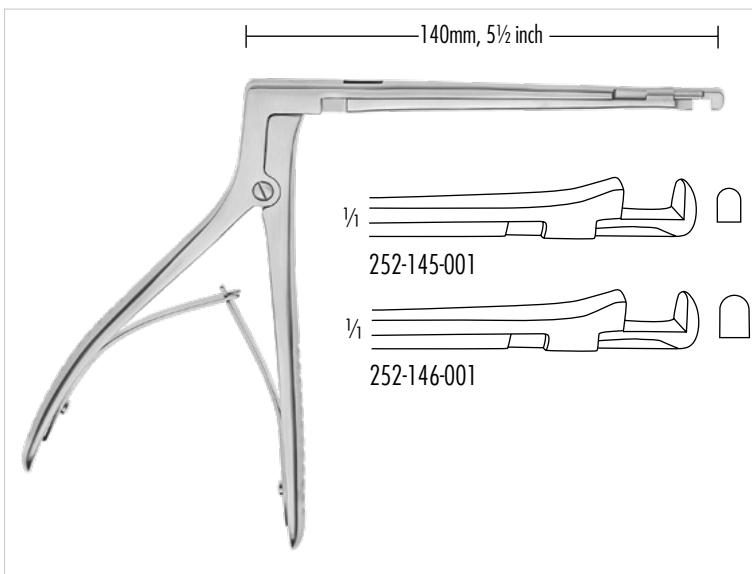


252-200-095 2 mm Schnitt / 2 mm bite  
**BEYER**

Kieferhöhlenstanze, Arbeitslänge: 95 mm  
 Antrum Punch, working length: 3 3/4 inch

252-200-195

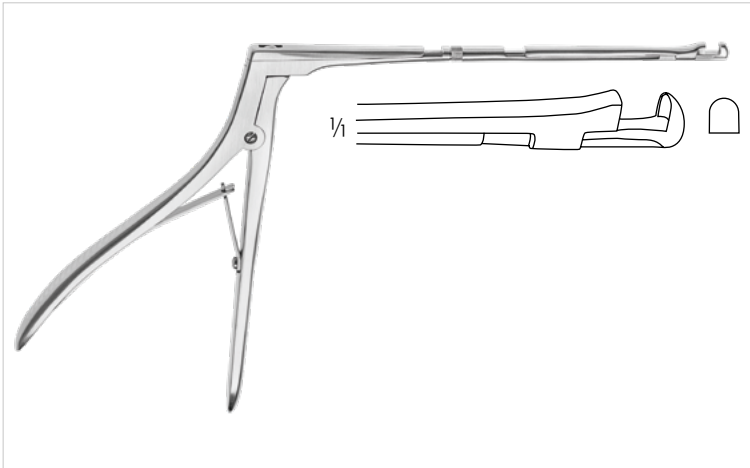
Dito, retrograd schneidend  
 Same, backward cutting



- 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
- 252-146-001 nach oben/upbiting, 4.5 x 4.5 mm

**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 3,5 mm  
**HAJEK-KOFLER**  
 Stanze, drehbar 360°, Arbeitslänge: 170 mm  
 Punch, rotating 360°, working length: 6 ¾ inch



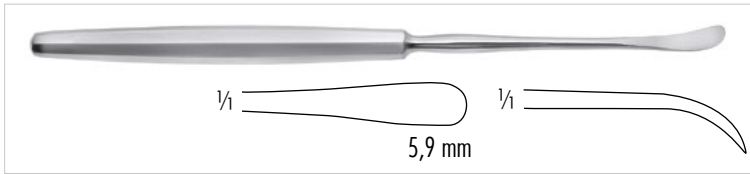
252-147-170  
**CITELLI**  
 Knochenstanze, 1,5 mm, durchschneidend, Arbeitslänge: 170 mm  
 Bone punch, 1.5 mm, through cutting, working length: 6 ¾ inch



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 4.5 mm Spitze / tip  
 252-009-001 6.5 mm Spitze / tip  
**FREER**  
 Elevator, doppelendig, scharf/stumpf, 200 mm  
 Elevator, double-ended, sharp/blunt, 7 3/4 inch



252-025-210  
**KUHN-BOLGER**  
 Doppelinstrument, rechts abgewinkelter Haken, 210 mm  
 Double-instrument, hook angled to the right, 8 1/4 inch



252-025-190  
 Doppelinstrument zum Sondieren d. Ostium, kugelförmige  
 Enden 1,2 mm / 2,0 mm, 210 mm  
 Ostium probe, double-ended ball probe: 1.2mm / 2.0 mm, 8 1/4 inch



252-205-190 spitz/sharp  
 252-215-190 stumpf/blunt  
 Sichelmesser, spitz, 200 mm  
 Sickle knives, sharp, 7 3/4 inch



252-071-190 Gr. 1  
 252-082-190 Gr. 2  
 252-093-190 Gr. 3  
 Kieferhöhlenlöffel, oval, 200 mm  
 Antrum spoon, oval, 7 3/4 inch



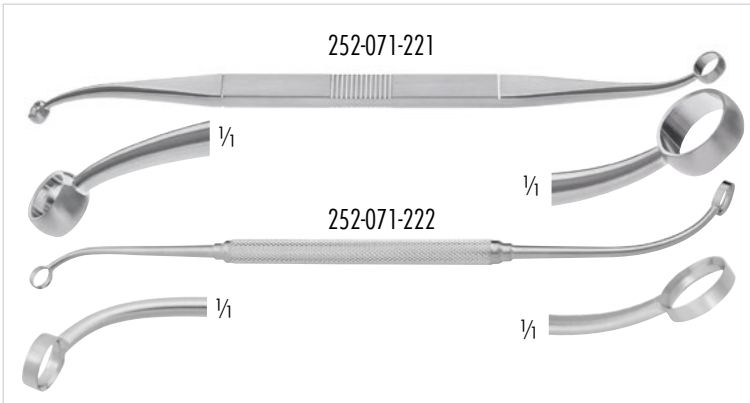
252-171-190 rund, 45° gebogen/round, 45° curved  
 252-182-190 oval klein, gebogen/oval small, curved  
 252-193-190 oval groß, 30° gebogen/oval large, 30° angled  
 Kieferhöhlenlöffel, 200mm  
 Antrum spoon, 7 3/4 inch



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 1/2 inch



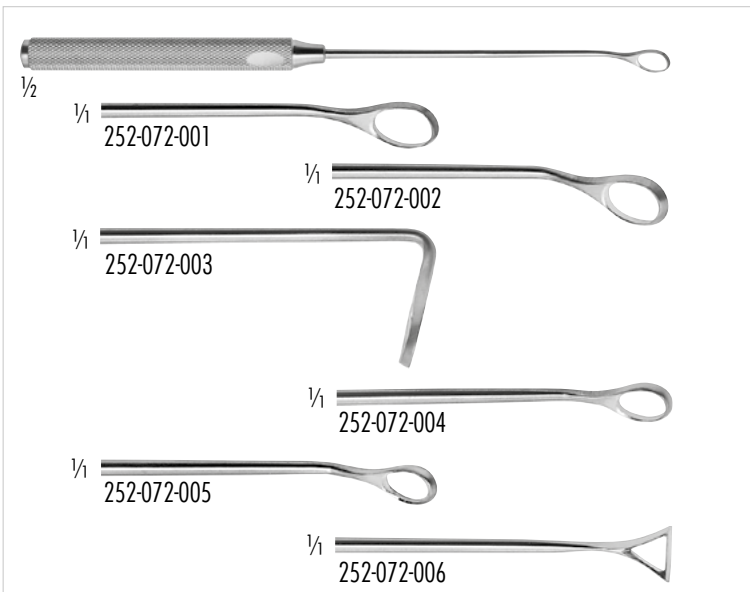
252-071-220  
**FAULKNER**  
 Kieferhöhlenkürette, 220 mm  
 Antrum curette, 8 1/2 inch



- 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

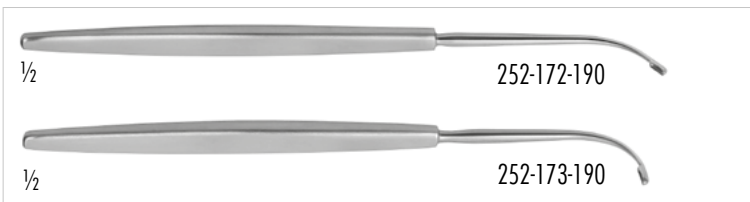
Kieferhöhlenkürette, biegsam, 220 mm  
Antrum curette, malleable, 8 3/4 inch



- 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

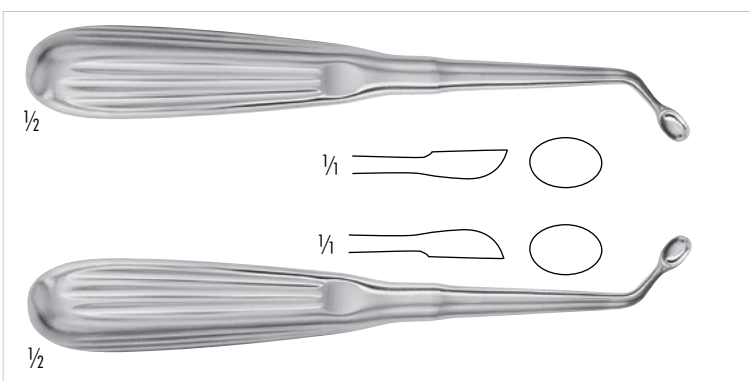
Kieferhöhlenkürette, 170 mm  
Antrum curette, rigid shank, 6 3/4 inch



- 252-172-190 55° gebogen/curved  
252-173-190 90° gebogen/curved

### KUHN-BOLGER

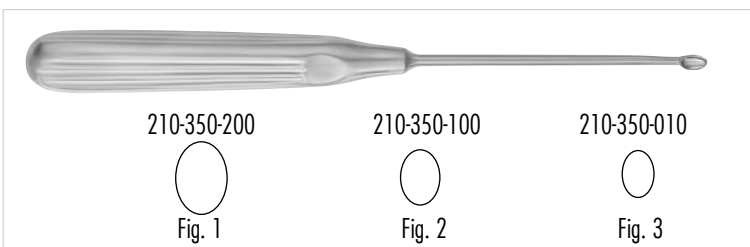
Kieferhöhlenlöffel, 190 mm  
Antrum spoon, 7 1/2 inch



- 210-345-007 rechts gebogen/right curved  
210-347-007 links gebogen/left curved

### UFFENORDE

Kieferhöhlenlöffel, 170 mm  
Antrum spoon, 6 3/4 inch

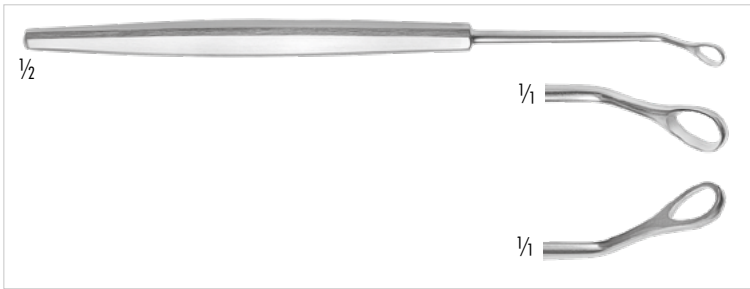


- 210-350-200 4,8 mm Fig. 1  
210-350-100 5,8 mm Fig. 2  
210-350-010 6,8 mm Fig. 3

### HALLE

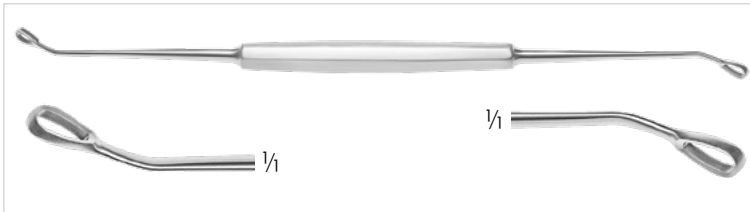
Scharfe Löffel, biegsam, 210 mm  
Antrum spoon, malleable, sharp, 8 1/4 inch





252-113-190 vorwärts schneidend/forward cutting  
252-114-190 rückwärts schneidend/backward cutting  
**COAKLEY**

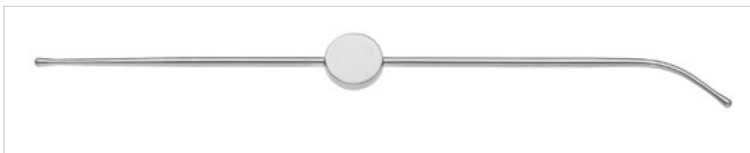
Kieferhöhlenkürette, klein, 200 mm  
Antrum curette, small, 7 3/4 inch



252-072-245

**HALLE**

Kieferhöhlenkürette, 200 mm  
Antrum curette, 7 3/4 inch



252-073-200

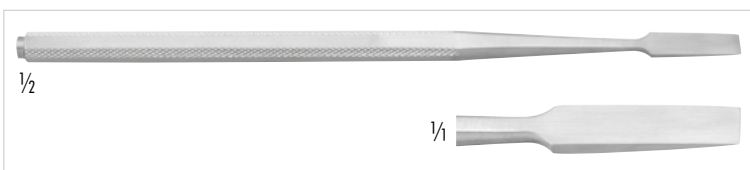
Kieferhöhlensonde, 200 mm  
Antrum probe, 7 3/4 inch



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**

Stirnhöhledilatator, 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**

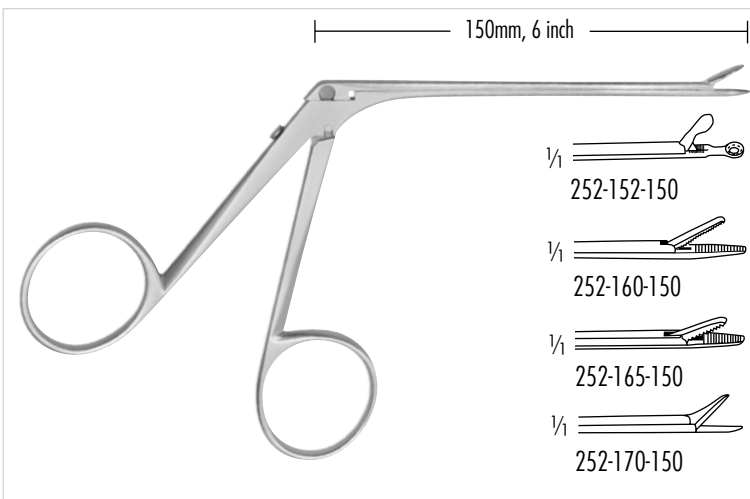
Saugkanüle, 180 mm  
Suction tube, 7 inch



252-025-180

**FISCH**

Saug-Spülrohr, 2,5 x 2,0 mm, 180 mm  
Suction-Irrigation tube, 2.5 x 2.0mm, 7 inch



252-152-150 Ø 2,0 mm

Löffelzängchen, runder Löffel  
Cupped forceps, round cup

1/4  
252-152-150

252-160-150

Faßzängchen, fein gerieft  
Grasping forceps, fine serrations

1/4  
252-160-150

252-165-150

Faßzängchen, grob gerieft  
Grasping forceps, coarse serrations

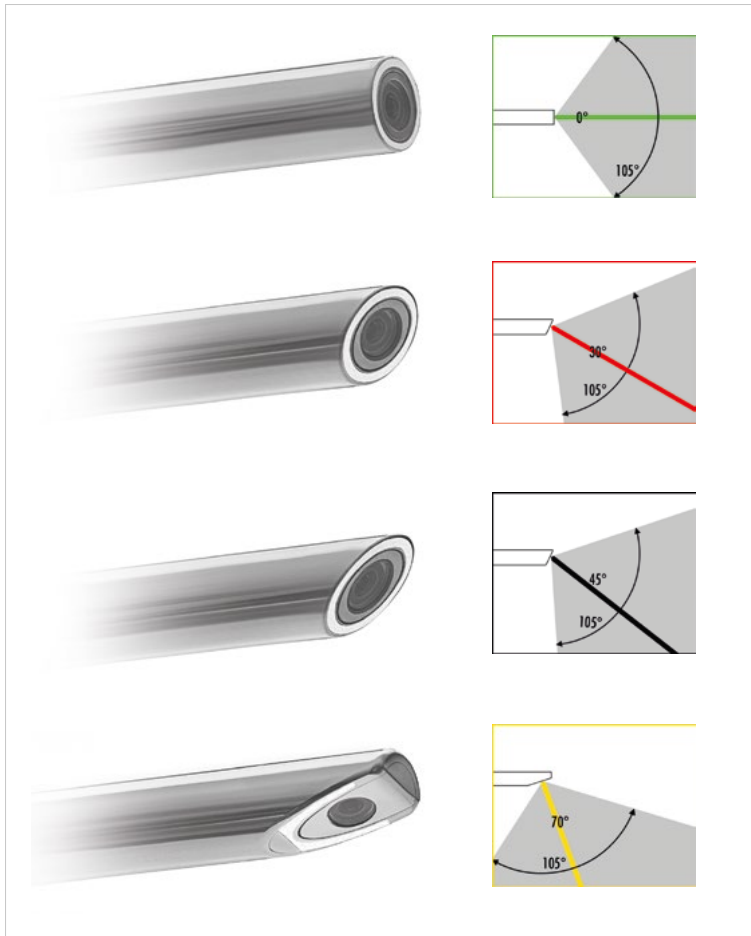
1/4  
252-165-150

252-170-150

Scherchen  
Scissors

1/4  
252-170-150

**FULL HD**



Colour coding of degree:  
Farbliche Kennzeichnung der Gradzahl:

● 0°   
 ● 30°   
 ● 45°   
 ● 70°

- 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
  
- Abnehmbares Okular für C-Mount-Anschluss oder RZ QuickSnap-Verschluss
- 3-Stufen-Adapter zum Anschluss der gängigsten Lichtkabel, direkt am Endoskop anschließbar
- Saphirgläser sorgen für höchste Stabilität gegen Beschädigungen am Linsensystem
- Optimierte Glasfaseranordnungen sorgen für eine gleichmäßige Bildhelligkeit von höchster Qualität
- Full HD hochauflösende Bilder mit erhöhter Detailauflösung durch neueste CAD-konstruierte Stablinsensysteme
- Vollständig autoklavierbar bei 134°C und 2,3bar



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

252-127-200 0°  
 252-127-230 30°  
 Sinuskopie-Optiken, Kinder, autoklavierbar, 2,7 mm, 110 mm  
 Sinusscopes, pediatric, autoclavable, 2.7 mm, 4 1/3 inch



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

252-127-000 0°  
 252-127-030 30°  
 252-127-070 70°  
 Sinuskopie-Optiken, autoklavierbar, 2,7 mm, 180 mm  
 Sinusscopes, autoclavable, 2.7 mm, 7 inch



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

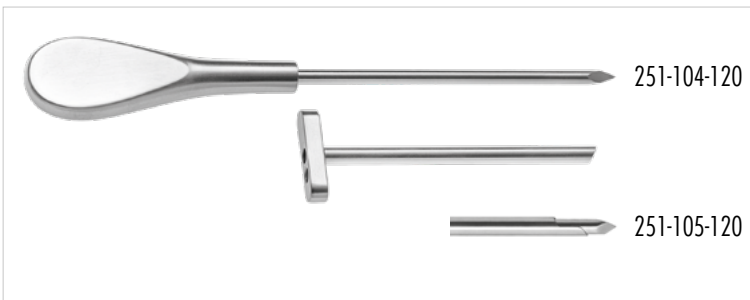


251-104-002 für 4 mm Optik / for 4 mm telescopes

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

251-105-120

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



1/2

420-121-150 Fig. 1

420-122-150 Fig. 2

420-123-150 Fig. 3

**HARTMANN-HALLE**

Nasenspekulum, 155 mm

Nasal Specula, 6 inch



1/2

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

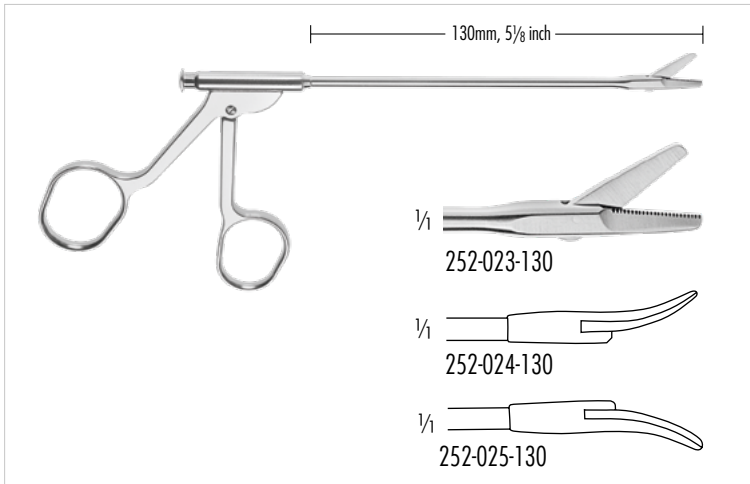
420-150-008 links/left 52mm, rechts/right 75mm

Sinus Spekula zur Verwendung mit flexiblen Spannarm,

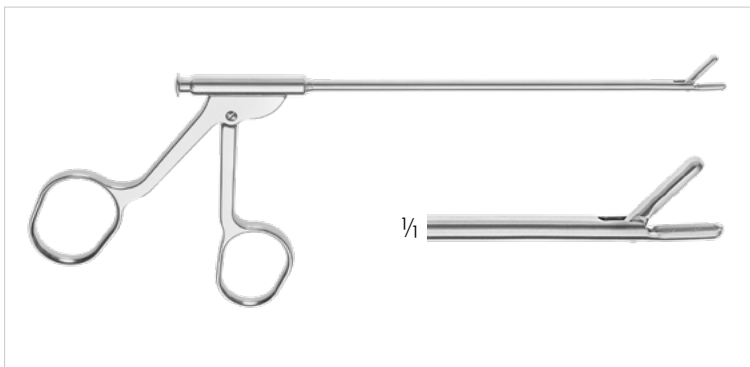
mit Zähnen, mit Stellschraube

Sinus Specula for use with flexible arm, with teeth,

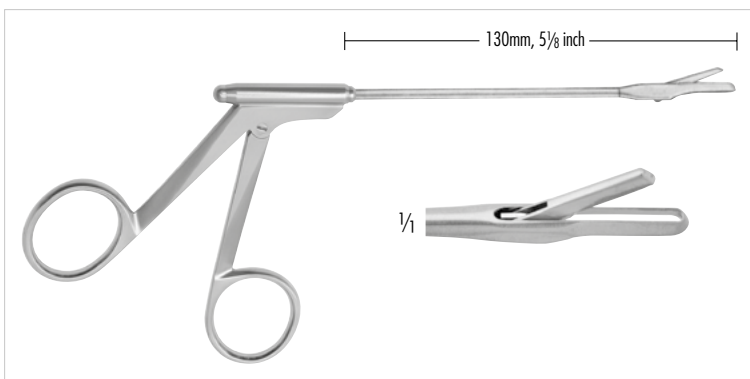
with set screw



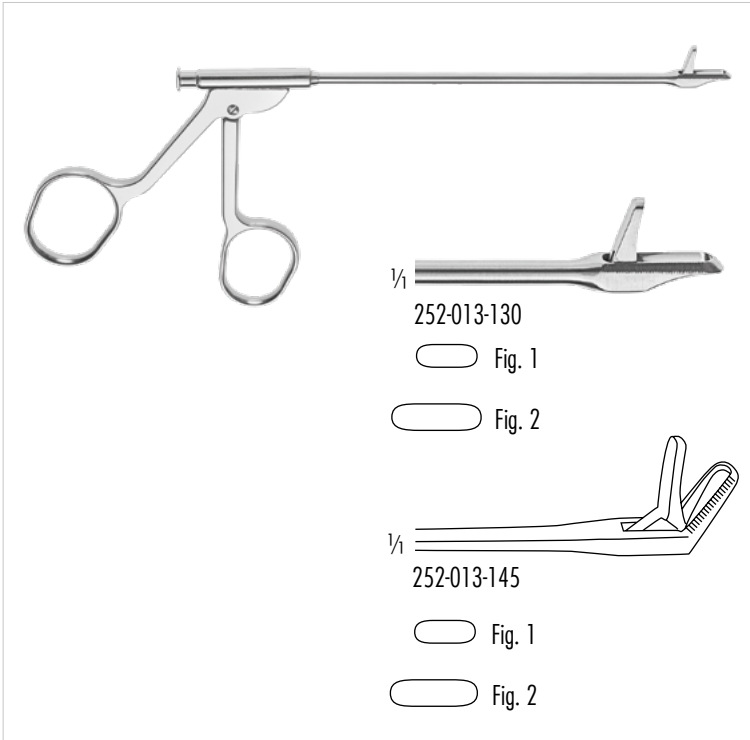
252-023-130 gerade/straight  
 252-024-130 links gebogen/curved to left  
 252-025-130 rechts gebogen/curved to right  
 Nasenschere, 130 mm  
 Nasal scissors, 5 1/8 inch



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 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**

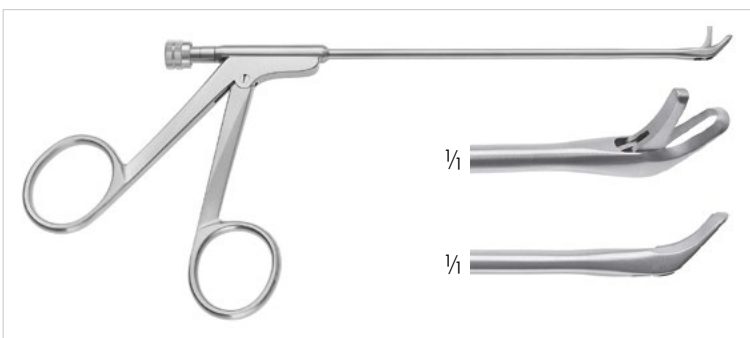
45° aufgebogen  
45° upwards



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 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**

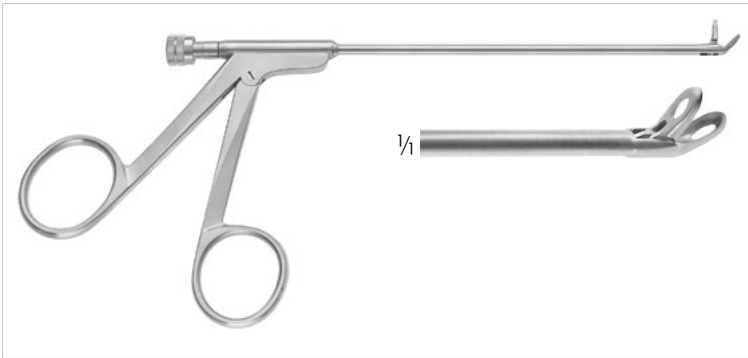
Duckbill Punch, aufwärts, Arbeitslänge: 130 mm  
Duckbill Punch, upwards, working length: 5 1/8 inch



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**

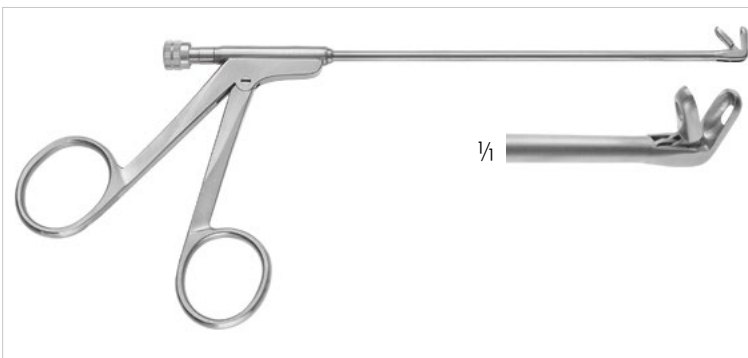
Nasenzange, gerade, 130 mm  
Ethmoidal forceps, straight, 5 1/8 inch



- 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
- 252-035-135 Größe 5/size 5 = 6 mm

**BLAKESLEY-WILDE**

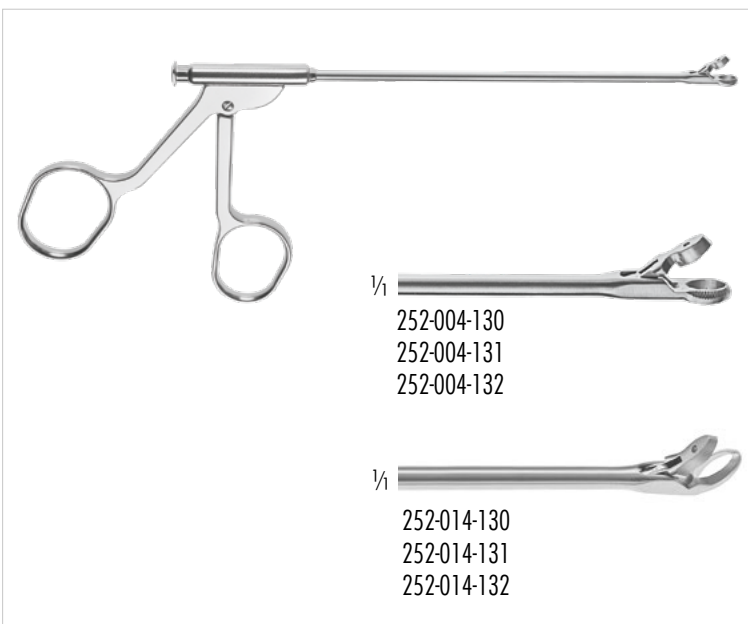
Nasenzange, 45° aufgebogen, 130 mm  
Ethmoidal forceps, 45° angled, 5 1/8 inch



- 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

**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

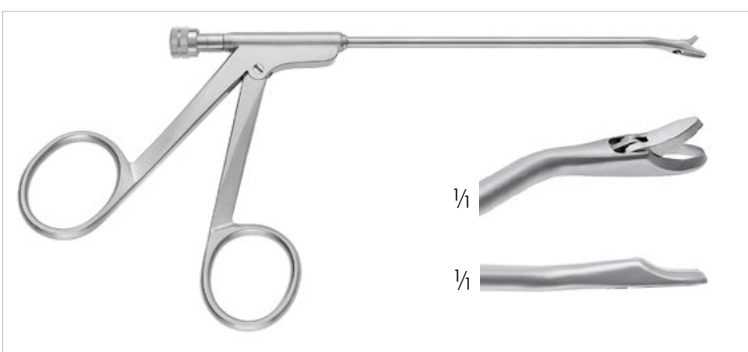
252-004-130  
252-004-131  
252-004-132

252-014-130  
252-014-131  
252-014-132

- 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**

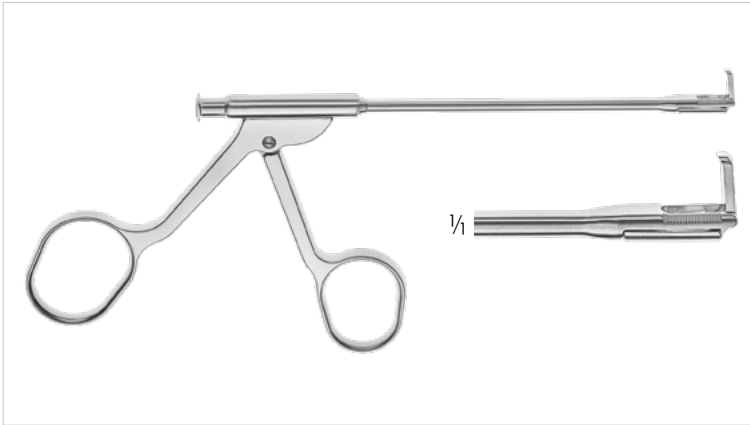
45° aufgebogen  
45° upwards



- 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

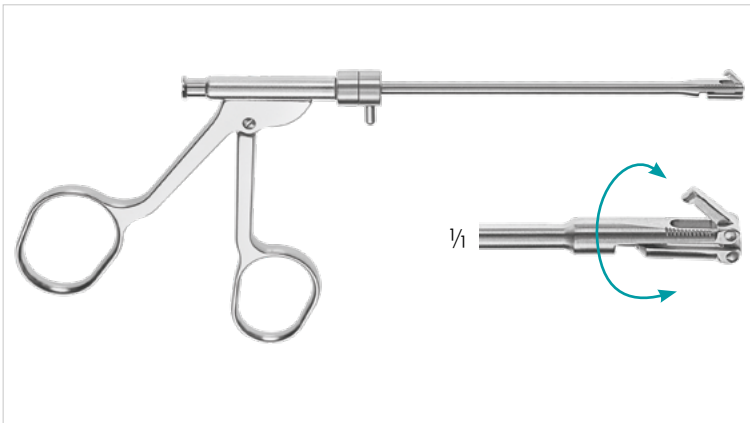


252-015-100 oben/upside  
 252-115-100 rechts/right  
 252-215-100 links/left

**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



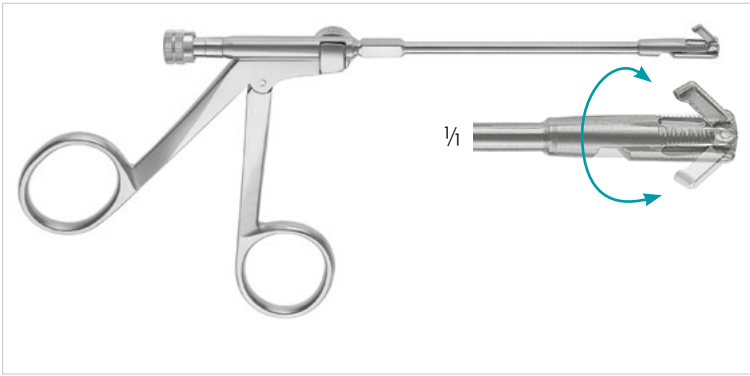
252-010-100 oben/upside  
 252-110-100 rechts/right  
 252-210-100 links/left

**OSTROM**

Kieferhöhlenstanze, kleines schlankes Modell, 1,5 mm Schnitt,  
 rückwärts schneidend, Arbeitslänge: 100 mm

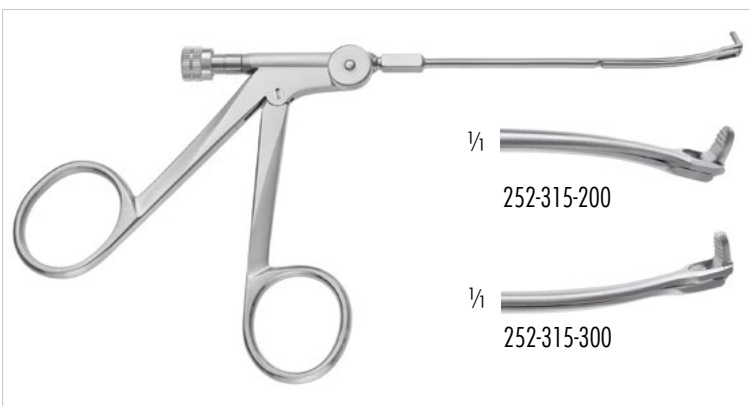
Antrum punch, small delicate pattern, 1.5 mm bite, backward cutting,  
 working length: 4 inch





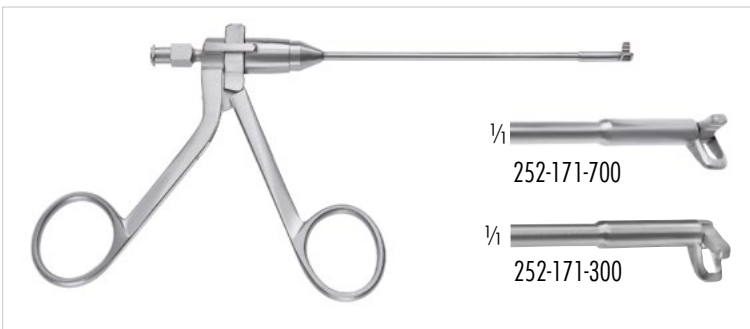
252-310-100 drehbar, 360°/rotating, 360°  
**OSTROM**

Kieferhöhlenstanze, kleines schlankes Modell, 1,5 mm Schnitt  
Arbeitslänge: 100 mm  
Antrum punch, small delicate pattern, 1.5 mm bite,  
working length: 4 inch



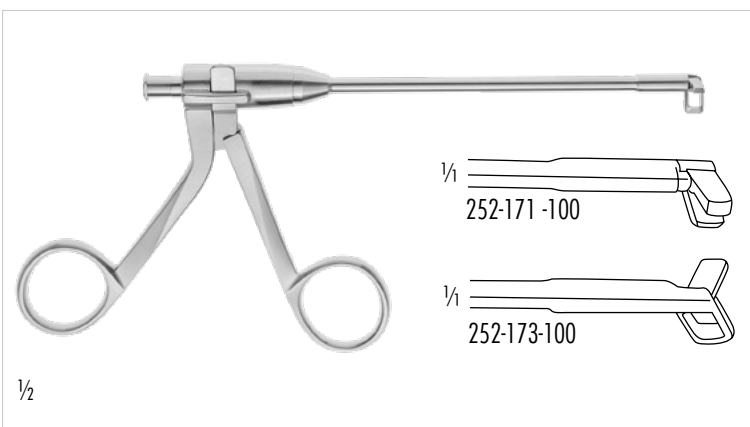
252-315-200 abgebogen/curved down  
252-315-300 aufgebogen/curved up  
**OSTROM**

Nasenzange, drehbar, kleiner Schnitt, Arbeitslänge: 100 mm  
Ethmoidal forceps, rotating, micro bite, working length: 4 inch



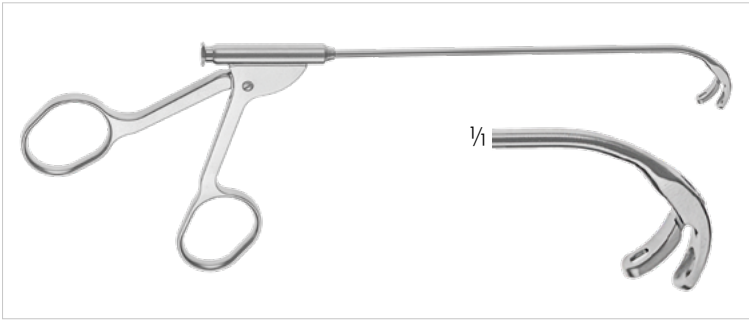
252-173-700 links schneidend/left cutting  
252-171-700 rechts schneidend/right cutting  
252-171-300 nach rechts unten schneidend/  
downward right cutting  
252-173-300 nach links unten schneidend/  
downward left cutting  
**SIDECUTTER**

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

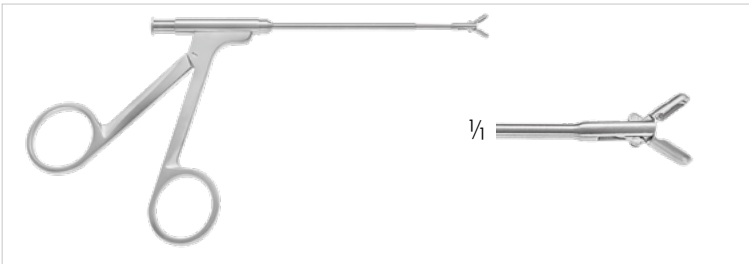


252-410-112

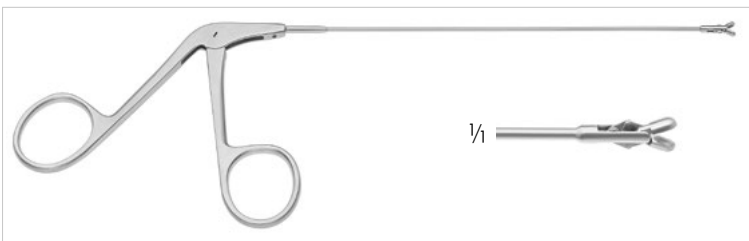
**HEUWIESER**

Kieferhöhlen-Faßzange, 90° gebogen, bis 120° rückwärts öffnend, Arbeitslänge: 130 mm

Antrum grasping forceps, 90° curved, 120° backward opening, working length: 5 inch



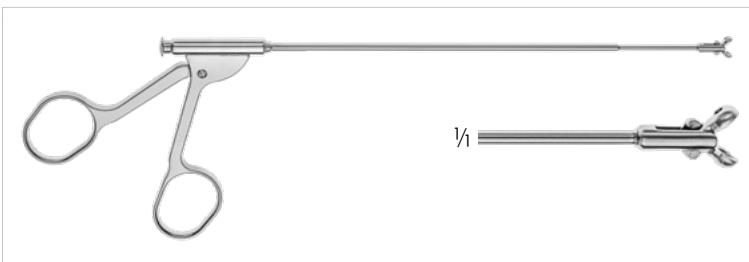
252-503-090

Biopsie- und Fasszange, ovaler Löffel, 3x6mm, 89mm Arbeitslänge  
Biopsy and Grasping forceps, 3x6mm oval cup, 89mm working length

252-503-140

Probexcisions- und Faßzange, extra fein, mit ovalem Löffel 3 mm, 140 mm

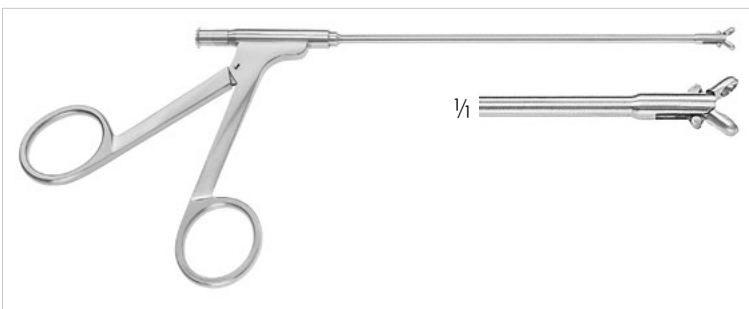
Biopsy and Grasping forceps, delicate pattern, 3 mm oval cup, 5 1/2 inch



252-174-180

Probexcision- und Fasszange, Schaftende biegsam, 4 mm Löffel, vertikal öffnend, 180 mm

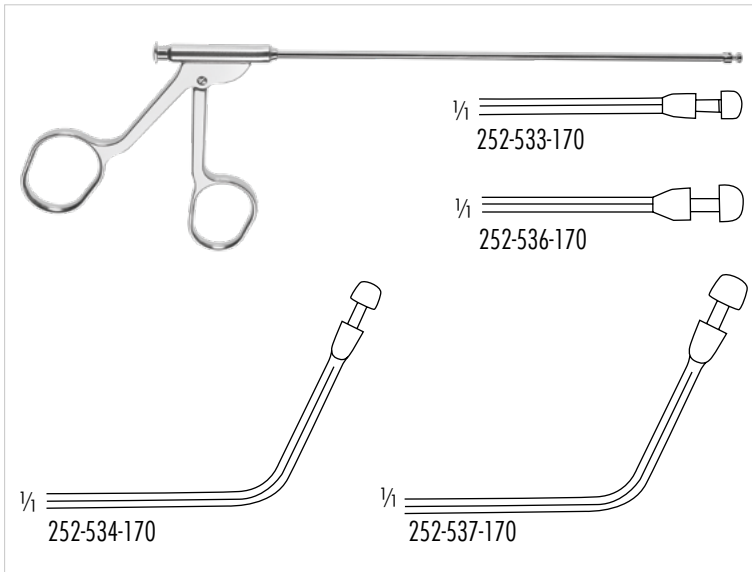
Biopsy and Grasping forceps, malleable shaft, 4 mm biopsy cup, vertical opening, 7 inch



252-503-150

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

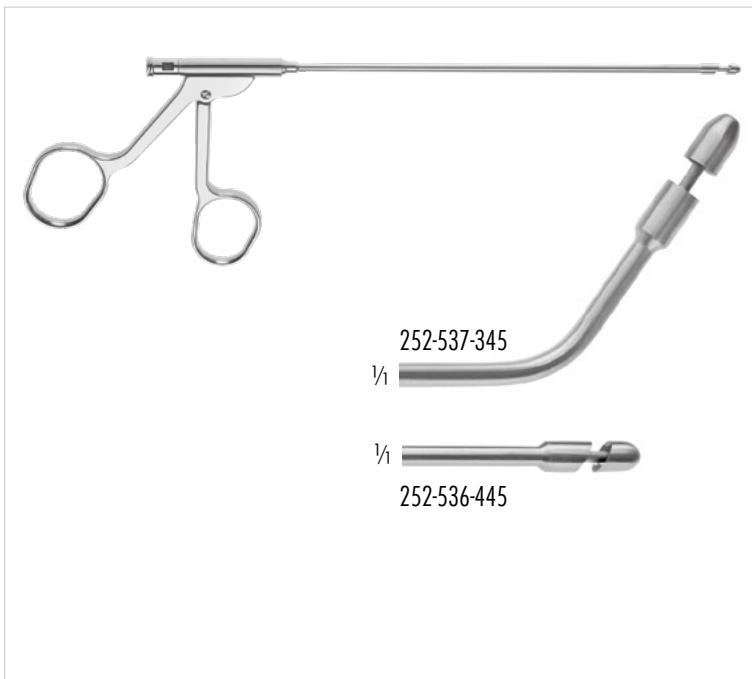
**STAMMBERGER**

Zirkular Stanze, gerade, 160 mm  
Circular punch, straight, 6 ¼ inch

252-534-170 Ø 3,5 mm  
252-537-170 Ø 4,5 mm

**STAMMBERGER**

Zirkular Stanze, 65° aufgebogen, 160 mm  
Circular punch, 65° curved up, 6 ¼ inch



252-537-335 3.5mm Ø  
252-537-345 4.5mm Ø

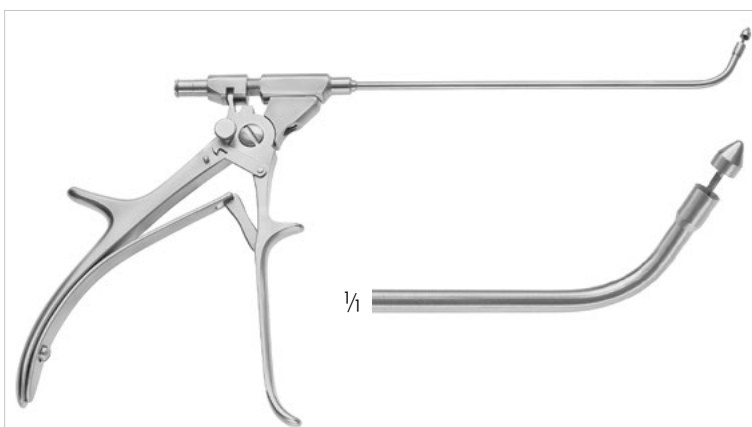
**RZ**

Circular Stanze, 60° aufgebogener Schaft,  
eiförmiger Schnitt, Arbeitslänge: 160 mm  
Circular Punch, 60° upturned shaft,  
egg-shaped bite, working length: 6 ¼ inch

252-536-435 3.5mm Ø  
252-536-445 4.5mm Ø

**RZ**

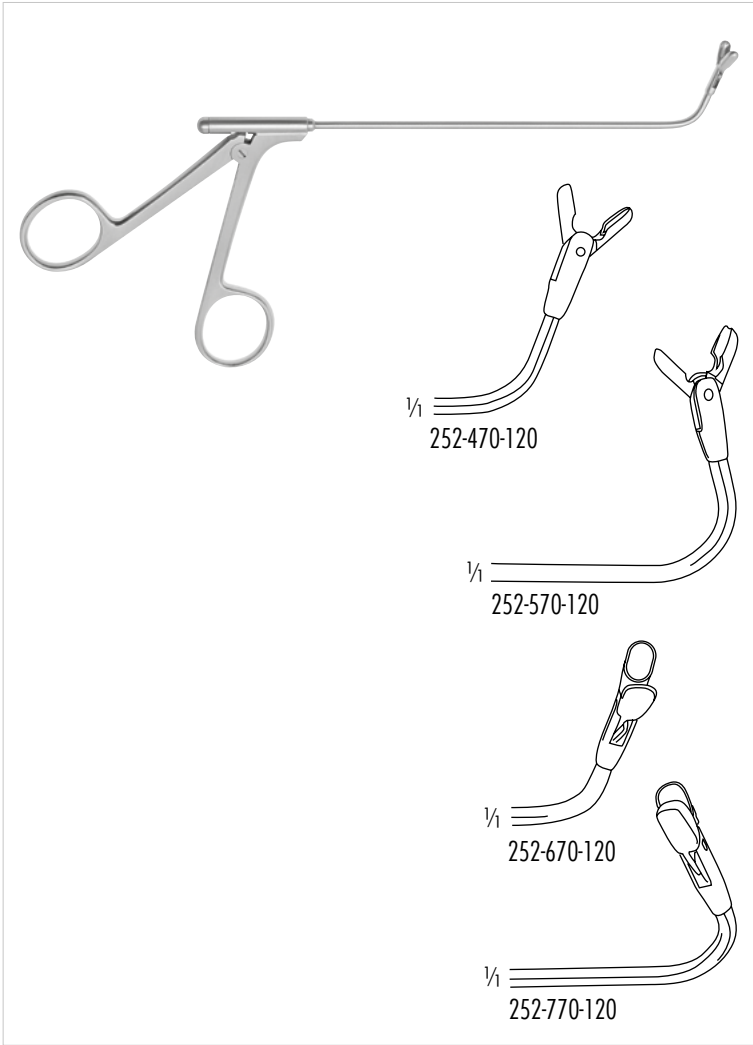
Circular Stanze, eiförmige Maulspitze,  
60° schräger Schnitt, Arbeitslänge: 160 mm  
Circular Punch, egg-shaped tip, 60° oblique bite,  
working length: 6 ¼ inch



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

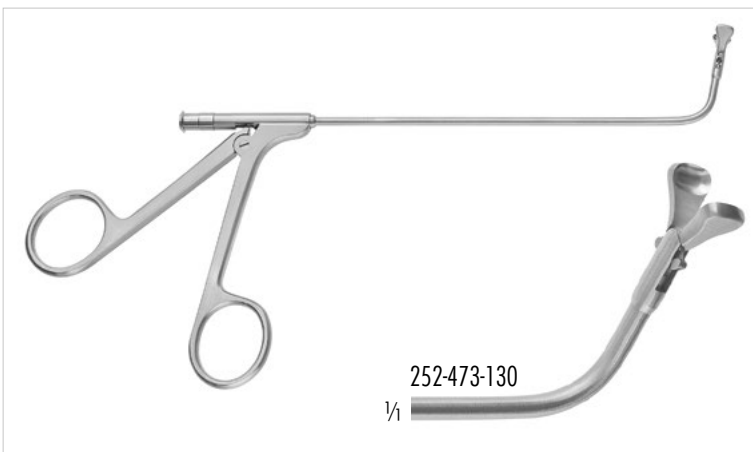
**RZ-GIRAFFE**

Doppellöffelzange, vertikal öffnend, Löffel Ø 4x8 mm, 130 mm  
 Biopsy forceps, vertical action, Ø 4x8 mm, 5 1/8 inch

252-670-120 70° aufgebogen  
 252-770-120 110° rückwärts gebogen

**RZ-GIRAFFE**

Doppellöffelzange, horizontal öffnend, Löffel Ø 4x8 mm, 130 mm  
 Biopsy forceps, horizontal action, Ø 4x8 mm, 5 1/8 inch

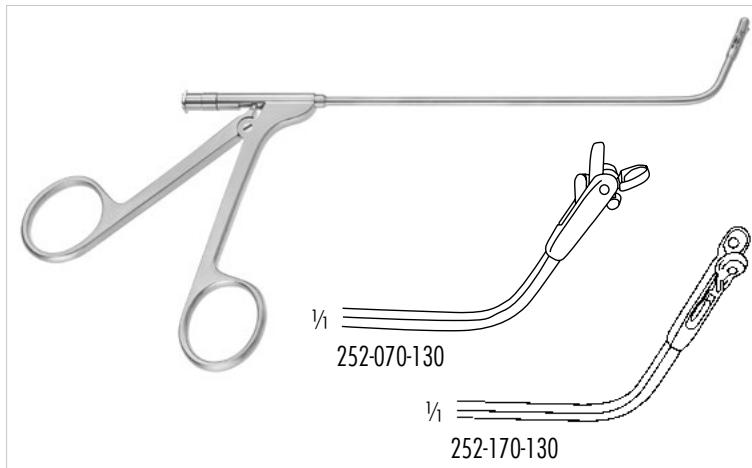


252-473-130 horizontal öffnend/horizontal opening

252-472-130 vertikal öffnend/vertical opening

Doppellöffelzange mit birnenförmigem Maulteil,  
 80° aufgebogen, Arbeitslänge: 130 mm

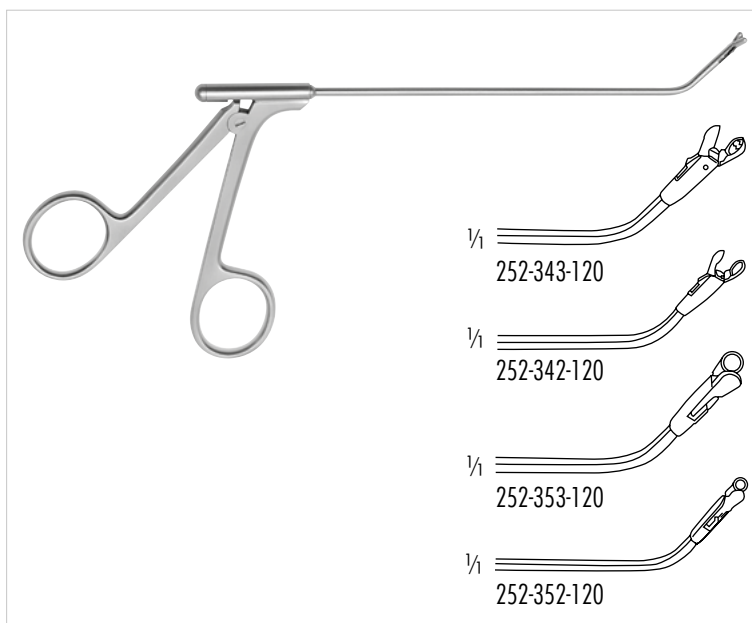
Double action Biopsy Forceps, pear shaped jaws,  
 80° angled up, working length: 5 1/8 inch



- 252-070-130 vertikal öffnend/vertical action  
 252-170-130 horizontal öffnend/horizontal action

**RZ-GIRAFFE**

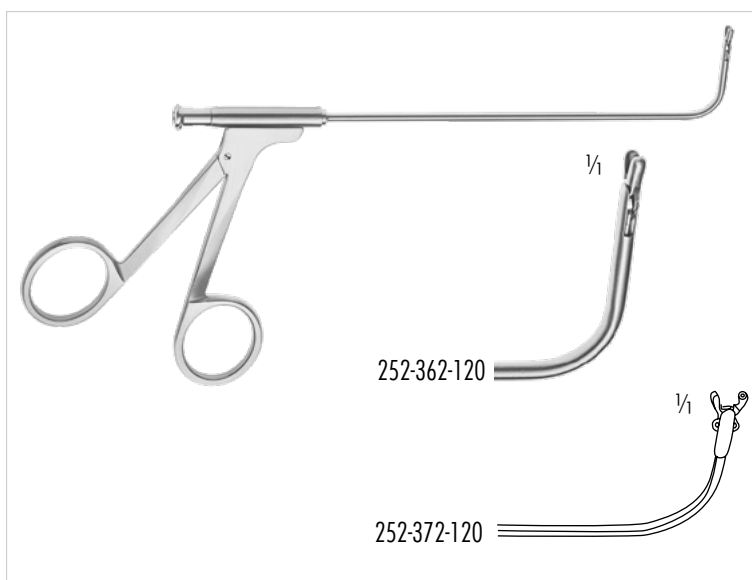
Doppellöffelzange, 70° aufgebogen, Löffel Ø 3 mm,  
 Arbeitslänge: 130 mm  
 Biopsy forceps, 70° angled, cup Ø 3 mm,  
 working length 5 1/8 inch



- 252-343-120 vertikal öffnend, 3x6 mm, 70° aufgebogen  
 vertical action, 3x6 mm, 70° angled up  
 252-342-120 vertikal öffnend, 2x4 mm, 55° aufgebogen  
 vertical action, 2x4 mm, 55° angled up  
 252-353-120 horizontal öffnend, 3x6 mm, 70° aufgebogen  
 horizontal action, 3x6 mm, 70° angled up  
 252-352-120 horizontal öffnend, 2x4 mm, 55° aufgebogen  
 horizontal action, 2x4 mm, 55° angled up

**KUHN-BOLGER**

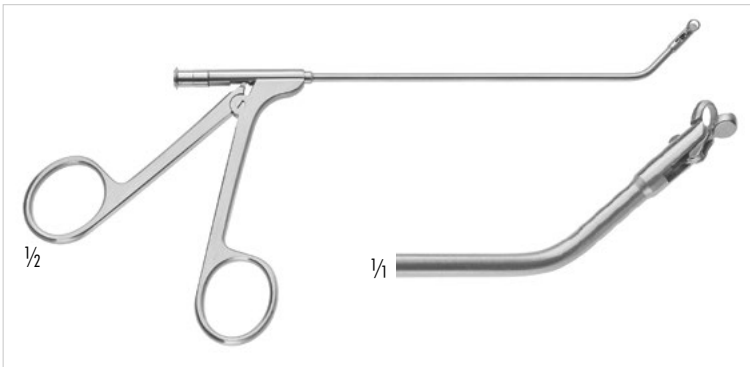
Doppellöffelzange, 130 mm  
 Giraffe forceps, 5 1/8 inch



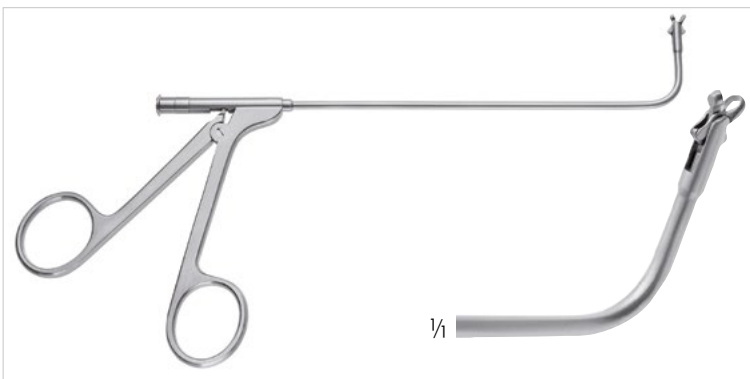
- 252-362-120 horizontal öffnend, 2x4 mm  
 horizontal action, 2x4 mm  
 252-372-120 vertikal öffnend, 2x4 mm  
 vertical action, 2x4 mm

**KUHN-BOLGER**

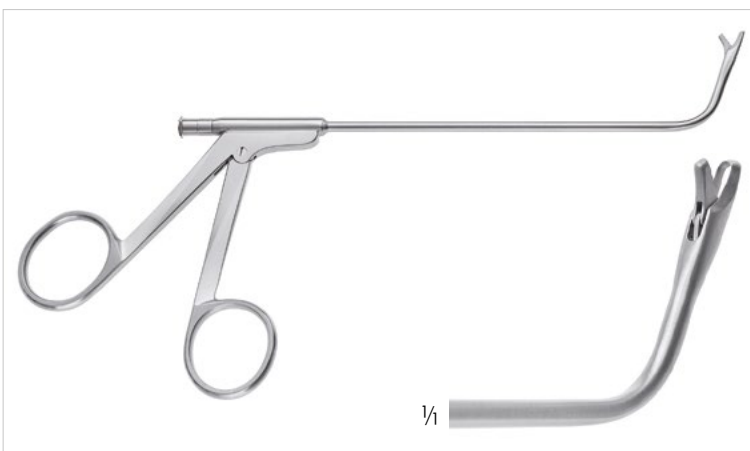
Doppellöffelzange, 90° aufgebogen, 130 mm  
 Giraffe forceps, 90° angled up, 5 1/8 inch



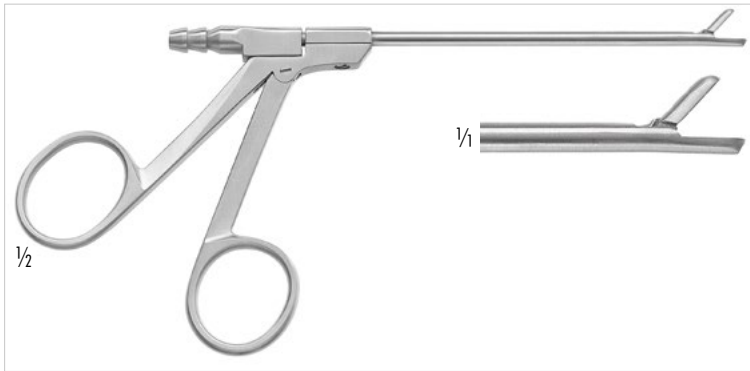
252-606-345 45° aufgebogen/45° upwards curved  
 252-606-390 90° aufgebogen/90° upwards curved  
 Sinuskopie Stanze, durchschneidend, 3mm runder Schnitt,  
 horizontal öffnend, Arbeitslänge: 130 mm  
 Sinuscopy Punch, through cutting, 3 mm round bite,  
 horizontal opening, working length: 5 1/8 inch



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



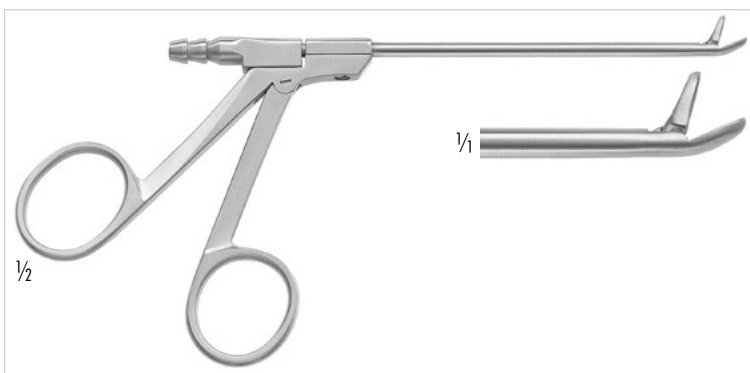
252-600-070 nach oben öffnend/backward opening  
 252-601-070 nach rechts öffnend/right side opening  
 252-602-070 nach links öffnend/left side opening  
**GRUENWALD**  
 Sinuskopie Zange, durchschneidend, 2 mm Schnitt, 70° aufgebogen,  
 Arbeitslänge: 130 mm  
 Sinuscopy Forceps, through cutting, 2 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**

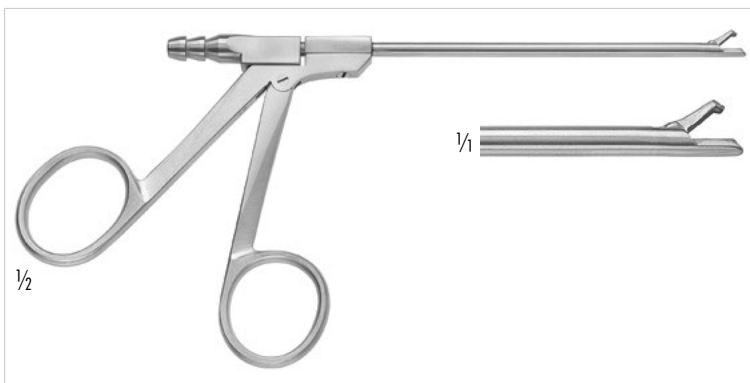
Saugstanze, gerade, 100 mm Arbeitslänge, Ø 4mm  
 Suction Punch, straight, 4 inch working length, Ø 4mm



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**

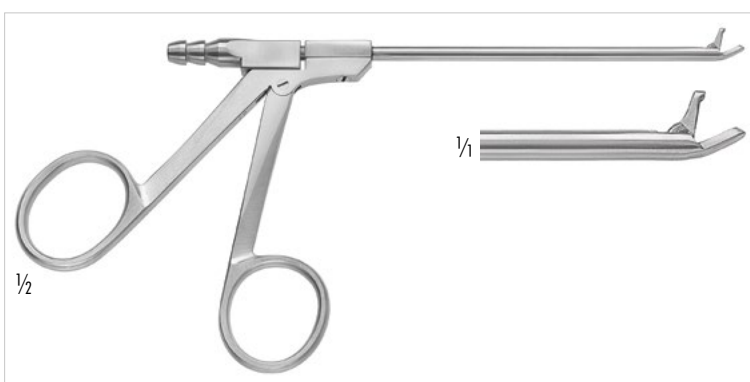
Saugstanze, 45° aufgebogen, 100 mm Arbeitslänge, Ø 4mm  
 Suction Punch, 45° upcurved, 4 inch working length, Ø 4mm



252-502-100

Biopsie Zange mit Absaugung, 2mm breit, durchschneidend,  
 Arbeitslänge: 100mm

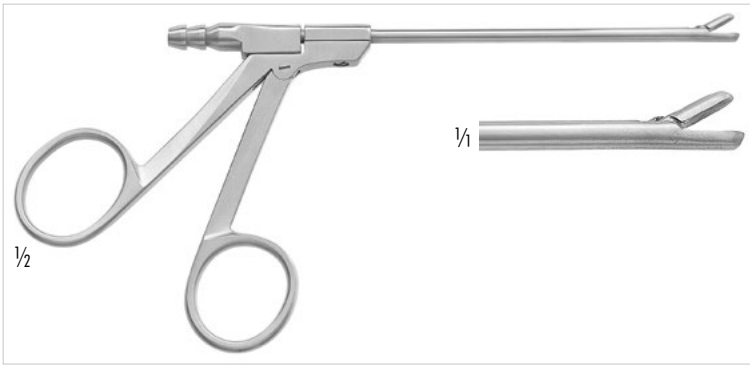
Biopsy Forceps with suction, 2mm wide, thru-cutting,  
 working length: 4 mm



252-502-145

Biopsie Zange mit Absaugung, 2mm breit, durchschneidend,  
 45° aufwärts gebogen, Arbeitslänge: 100mm

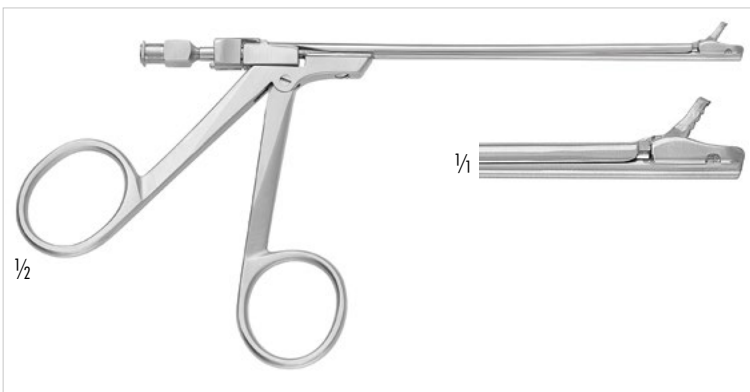
Biopsy Forceps with suction, 2mm wide, through-cutting,  
 45° upcurved, working length: 4 inch



- 252-010-025 2.5mm, gerade/straight
- 252-010-035 3.5mm, gerade/straight
- 252-011-025 2.5mm, 30° aufgebogen/30° upcurved
- 252-011-035 3.5mm, 30° aufgebogen/30° upcurved

**TAKAHASHI**

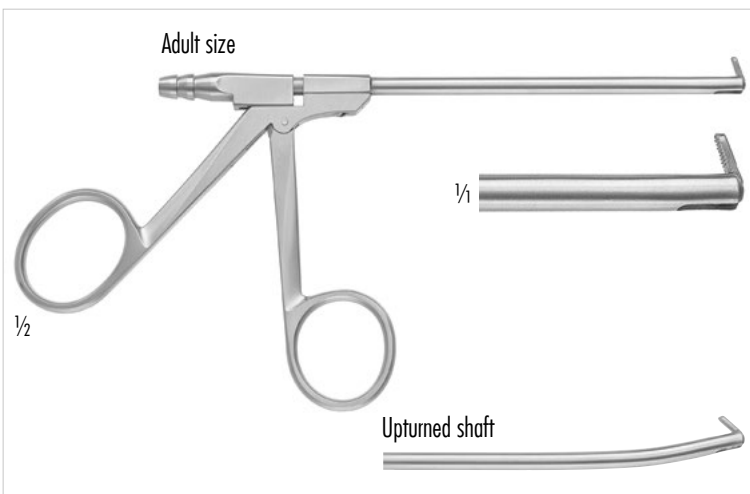
Saugstanze für Biopsie und Greifen, Ø 4mm,  
Arbeitslänge: 100 mm  
Suction Punch for biopsy and grasping, Ø 4mm,  
working length: 4 inch



**252-504-100**

**BLAKESLEY**

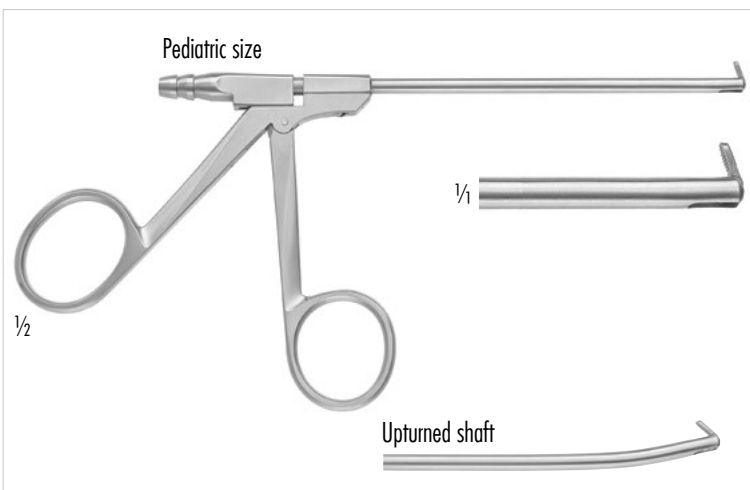
Biopsie Zange mit frontaler Absaugung, 2,5mm breit,  
durchschneidend, gerade, zerlegbar, Arbeitslänge: 100 mm  
Biopsy Forceps with frontal suction channel, 2.5mm wide,  
through-cutting, straight, detachable, working length: 4 inch



- 252-015-500 Aufwärts/upside
- 252-015-510 Links/left
- 252-015-520 Rechts/right

**OSTROM**

Saugstanze, gerade, Ø 4mm, rückwärts schneidend, 2,5mm Schnitt,  
Arbeitslänge: 100 mm  
Suction Punch, straight, backward cutting, Ø 4mm, 2.5mm bite,  
working length: 4 inch

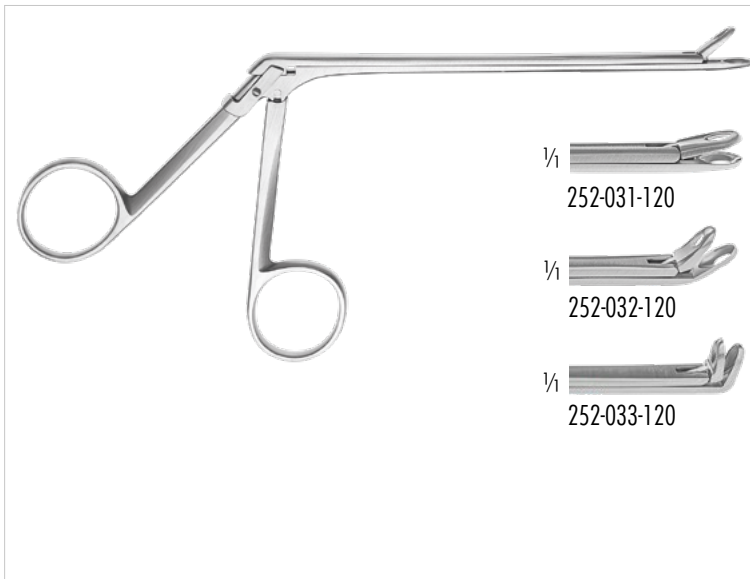


- 252-015-300 Aufwärts/upside
- 252-015-310 Links/left
- 252-015-320 Rechts/right
- 252-015-400 Aufgewinkelter Schaft, aufwärts  
Upturned shaft, upside

**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

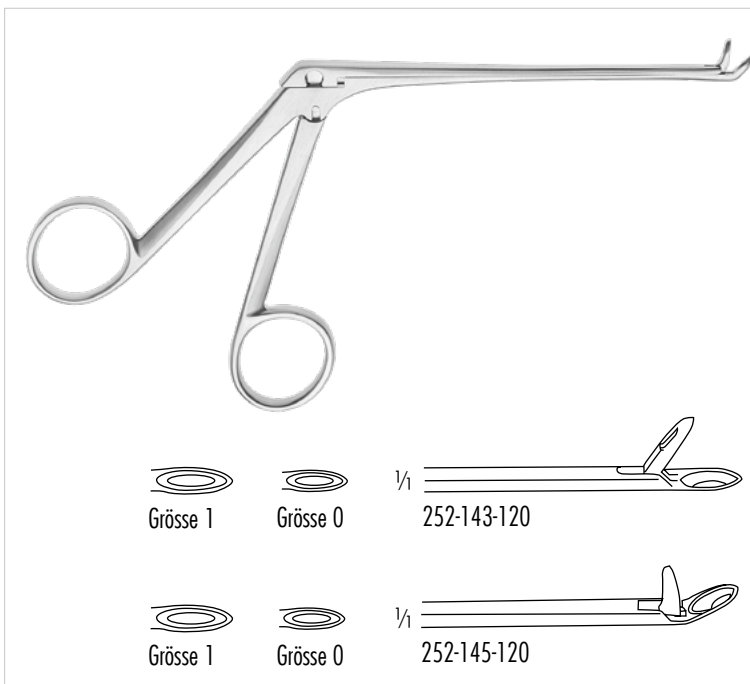




- 252-031-120 gerade/straight
- 252-032-120 45° aufgebogen/45° angled up
- 252-033-120 90° aufgebogen/90° angled up

**STRUEMPEL**

Nasenzängchen, mit ovalem, gefensterterem Löffelmaul, 100 mm  
 Nasal forceps with oval fenestrated cupped jaws, 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 3/4 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 3/4 inch

# FULL HD CAMERA SYSTEM



Features:

- Full HD camera with 3-chip MOS technology
- Pure Natural Colors technology
- Full HD video recording (F4 only)
- Full HD image saving (F4 only)
- Camera head with 3 programmable buttons
- Boost function
- Freeze function
- 2.5x digital zoom
- 3 USER mode configurations
- Multilingual on screen menu
- Different digital video outputs
- Text generator (optional with keyboard)

- 300-001-800 3 Chip HD-Camera F3
- 300-001-804 3 Chip HD-Camera F4 (with recording function)

**FULL HD**

Technical data

Line voltage	100-240 VAC
Power input	20W
Image sensor	3 MOS
Resolution	1920 x 1080 pixels (FullHD)
Image resolution	>1000 TV lines, horizontal
Index ratio	16:9
Min. sensitivity	< 3lx (1/1.4)
Shutter speed	1/50 (1/60) to 1/100.000sec

DELIVERY CONTAINS:

- Main Unit
- Camera head
- 2x BNC cable
- HDMI - DVI cable
- HDMI cable
- S-Video cable (F3 only)
- USB Pen Drive (F4 only)
- Mains cable
- Operating manual

<b>Video outputs (F4)</b>	2 x HD SDI 1x HDMI / DVI 2x CVBS 1 x YPbPr / RGB 1 x Y/C (Pal/NTSC) 1x CVBS (Pal/NTSC)
<b>Video outputs (F3)</b>	1 x HDMI / DVI 1 x YPbPr (Component) 1 x Y/C (Pal/NTSC) 1x CVBS (Pal/NTSC)
<b>Dimensions</b>	Control unit: 380 x 120 x 360mm (WxHxD) Weight control unit: 11kg Weight camera head: 145g

Accessories



300-001-802  
High-End 3-MOS Camera Head  
FullHD (included in the set)



300-001-615  
Title generator keyboard, waterproof IP68  
US-Layout, cable 1.8m, color: grey,  
305x140x15mm, 600gr.



300-001-610  
Footswitch for HD Cameras  
cable length: 2m

# FULL HD CAMERA SYSTEM



Features:

- Full HD camera with 1-chip MOS technology
- Natural color technology
- Full HD video recording (F2 Pro only)
- Full HD image saving (F2 Pro only)
- Camera head with 3 programmable buttons
- Boost function
- Freeze function
- 2.5x digital zoom
- 3 USER mode configurations
- Multilingual on screen menu
- HDMI video outputs
- Text generator (optional with keyboard)

300-001-600 HD-Camera F1  
 300-001-601 HD-Camera F2 Pro (with recording function)

**FULL HD**

DELIVERY CONTAINS:

- Main Unit
- Camera head
- 2x BNC cable
- HDMI - DVI cable
- HDMI cable
- S-Video cable
- USB Pen Drive (F2 Pro only)
- Operating manual
- Mains cable

Technical data

Line voltage	100-240 VAC
Power input	F2 Pro: 30W / F1: 20W
Image sensor	1/3" MOS
Resolution	1920 x 1080 pixels (FullHD)
Image resolution	>1000 TV lines, horizontal
Index ratio	16:9
Min. sensitivity	< 3lx (1/1.4)

Video outputs (F2 Pro)	2 x HD SDI (optional) 1 x HDMI / DVI 1 x Y-Pb-Pr (Component) 1 x Video (PAL/NTSC) 1x S-Video (PAL/NTSC)
Video outputs (F1)	1 x HDMI 1 x YPbPr / RGB 1 x S-Video (Y/C; Pal / NTSC) 1 x Video (CVBS; Pal / NTSC)
Dimensions	Control unit: 380 x 120 x 360mm (WxHxD) Weight control unit: 11kg Weight camera head: 105g

Accessories



300-001-602  
 High-End 1/3" MOS Camera Head  
 Full HD (included in the set)



300-001-615  
 Title generator keyboard, waterproof IP68  
 US-Layout, cable 1.8m, color: grey,  
 305x140x15mm, 600gr.



300-001-610  
 Footswitch for HD Cameras  
 cable length: 2m

# C2 CAMERA & LIGHT SOURCE COMBINATION



**FULL HD**

300-002-200 C2 Camera and Light Source Combination

**Features:**

- Compact and integrated 2-in-1 design
- Versatile use for rigid scopes and fiberoptics
- LED lamp – exceptionally long lifespan
- Low noise ventilation system
- Easy storage and documentation of videos and pictures
- Optional TV couplers with fixed focal length or with zoom available

**DELIVERY CONTAINS:**

- Main Unit
- Camera head
- HDMI cable
- Mains cable
- Operating manual

**Technical data**

Line voltage	100-240 VAC
Power consumption	60VA
Image sensor	1/2" MOS
Resolution	1920 x 1080 pixels (FullHD)
Index ratio	16:9
Lamp	LED (50W comparable)

<b>Video outputs</b>	1x HDMI	1x USB (A)
	1x DVI	1x Remote IN (Footswitch)
	1x SDI	1x RJ45 (Service)
	1x VIDEO	
<b>Dimensions</b>	Control unit: 295 x 128 x 279mm (WxDxH)	
	Weight control unit: approx. 3kg	
	Weight camera head: 180g	

TV Coupler, Endoscope and Light Guide cable not included and can be ordered separately.  
 NOTE: Endoscopes smaller than Ø 2.9mm require 250-015-030 Zoom TV Adapter.



250-015-030  
Zoom TV Adapter

TV COUPLER



**4K**  
**FULL HD**

300-001-823 f=14mm  
300-001-824 f=25mm  
300-001-825 f=28mm  
c-mount, soakable



**4K**  
**FULL HD**

250-015-030  
Zoom-TV-Adapter  
f=15 - 30mm  
c-mount, soakable



**4K**  
**FULL HD**

250-015-036  
Zoom-TV-Adapter  
f=15 - 36mm  
c-mount, soakable



**FULL HD**

300-001-813 f=14mm  
300-001-814 f=25mm  
300-001-815 f=28mm  
c-mount, soakable



**FULL HD**

250-022-018 f=18mm  
250-022-025 f=25mm  
90°, c-mount, soakable



300-001-168  
Endovue 32" HD Monitor

300-001-158  
Endovue 24" HD Monitor



300-001-232  
Radiance 32" HD Monitor

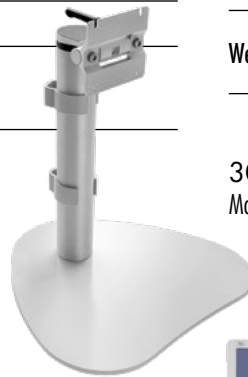
300-010-226  
Radiance 27" HD Monitor

Technical data

Screen size	31.5" / 24" diagonal
Resolution	1920 x 1080
Aspect ratio	16:9
Viewing angle	178°
Numbers of colors	16.7 Million (8-bit)
Video Inputs	DVI-D, RGBS/VGA/YPbPr (HD-15 or DVI-I via adapter), S-Video, Composite
Video Outputs	DVI-D
Weight	8.8kg (300-001-168) 6.7kg (300-001-158)

Technical data

Screen size	32" / 27" diagonal
Resolution	1920 x 1080
Aspect ratio	16:9
Viewing angle	178°
Numbers of colors	1.07 Billion (10-bit)
Video Inputs	DVI-I and 3G-SDI Input/Output
Video Outputs	DVI-D
Weight	11.0kg (300-001-232) 8.9kg (300-010-226)



300-001-028  
Monitor Table Stand



300-001-031  
UHD 4K Monitor, 31"



300-001-055  
UHD 4K Monitor, 55"

Technical data

Screen size	31" diagonal
Resolution	4096 x 2160
Aspect ratio	17:9
Viewing angle	178°
Number of colors	1.08 Billion (10-bit)
Video Inputs	1 x HDMI 2.0 1 x DP 1.2 (SST) & 1 x DP 1.2 (MST) 1 x DVI (single link), 4 x SDI (3G)
Video Outputs	1 x DP 1.2 (SST) 1 x DVI (single link), 4 x SDI (3G)
Weight	10.5kg

Technical data

Screen size	55" diagonal
Resolution	3840 x 2160
Aspect ratio	16:9
Viewing angle	178°
Numbers of colors	1.08 Billion (10-bit)
Video Inputs	1 x HDMI 2.0, 2 x DP 1.2 (55T) 1 x DVI (single link), 2 x DVI (dual link) 4 x SOi (3G), 2 x SOi (12G)
Video Outputs	1 x DVI (single link), 1 x DP 1.2 (SST) 4 x SDI (3G), 2x SDI (12G)
Weight	37.35kg

All monitors will be delivered without table stand - need to be ordered separately.

# LED LIGHT SOURCE



Features:

- 6500K daylight color temperature
- 375 Watt equivalent output power
- > 20.000 hours lifetime
- Turret connector for the most common light cables (Olympus, Wolf, Gyus ACMI, Storz)
- Manual or automatic light control
- Waterproof touch control panel
- Low heat conduction by improved LED technology
- Boost function: light increase of 20%

300-900-300 LUMEN LED 3 PRO Light Source, 110 - 230V



DELIVERY CONTAINS:

- Main Unit (300-900-300)
- BNC cable (optional)
- Mains cable
- Operating manual

Technical data

Line voltage	100-240 VAC
Video input	1x Video, BNC
Protection class	1 (acc. IEC 60601-1) 1 (acc. MDD 93/42/EEC)
Safety class	BF
Standard	IEC 60601-1-2
Dimensions	380 x 120 x 360mm (WxHxD)
Weight	approx. 11kg



- A OLYMPUS
- B WOLF
- C GYRUS ACMI
- D STORZ

Turret, multi connector



# LED LIGHT SOURCE



**Features:**

- More than 20.000h lamp lifetime
- 180 Watt equivalent power output
- 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
- Boost function: light increase of 20%

300-900-180 LUMEN LED 1 Light Source



**DELIVERY CONTAINS:**

- Main Unit (300-900-180)
- BNC cable
- Mains cable
- Operating manual

**Technical data**

Line voltage	100-240 VAC
Power consumption	130VA
Video input	1x Video, 1x S-Video (Y/C) (automatic version only)
Protection class	1 (acc. IEC 60601-1) 1 (acc. MDD 93/42/EEC)
Safety class	BF
Dimensions	380 x 120 x 360mm (WxHxD)
Weight	approx. 11kg



# HIGH TEMPERATURE LED/XENON LIGHT CABLES



Adaptor pieces to use with **endoscope**



250-042-000  
RZ/Storz/Olympus



250-040-000  
Wolf



250-041-000  
ACMI/British Standard

XENON/LED Light Guide Cables  
with melt and bending protection

250-025-230     $\varnothing$  2.5 mm, 2300 mm

250-025-300     $\varnothing$  2.5 mm, 3000 mm

250-035-180     $\varnothing$  3.5 mm, 1800 mm

250-035-230     $\varnothing$  3.5 mm, 2300 mm

250-035-300     $\varnothing$  3.5 mm, 3000 mm

250-048-180     $\varnothing$  4.8 mm, 1800 mm

250-048-230     $\varnothing$  4.8 mm, 2300 mm

250-048-300     $\varnothing$  4.8 mm, 3000 mm

Adaptor pieces to use with **light source**



250-039-000  
RZ/Storz



250-038-000  
ACMI/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



**COMPATIBILITY NOTE:**

A fiber optic cable with a large diameter should not be connected to a smaller diameter scope.  
For example:  $\varnothing$  4.8mm fiber optic cables connected to a  $\varnothing$  2.9mm may risk high temperature at the light entry of the endoscope and may risk patient safety.

# ELECTROSURGICAL GENERATOR



**Features:**

- Monopolar/bipolar cutting and coagulation
- Automatic identification of connected instruments
- 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
- 10" Touchscreen
- Tiltable display
- Footswitch (optional)
- Available with Argon and / or the RZeal
- Real-time output monitoring

700-350-400 230V  
 700-350-410 110V  
 G400 ElectroSurgical Generator

**DELIVERY CONTAINS:**

- Main Unit
  - Mains Cable
- (Footswitch not included)

**Technical data**

<b>Line voltage</b>	110-230 VAC
<b>Power consumption</b>	500W
<b>Generator operation frequency</b>	333kHz
<b>Display</b>	TFT 10"
<b>Defibrillation impulse resistance</b>	acc. to EN 60601-1
<b>NEM system</b>	neutral electrode control optical indication 7 levels required resistance < 240 Ω
<b>Gas type</b>	pure argon 4.8 (99,998%) or higher
<b>Inlet gas pressure</b>	0.25-0.4 [MPa]
<b>Monopolar coagulation / cutting</b>	200W / 400W
<b>Bipolar coagulation / cutting</b>	400W / 400W

<b>Gas outflow</b>	0.1-10 l/min, regulated 0.1 l/min in whole range
<b>Pressure range</b>	reducer (0.4 MPa) on argon cylinder
<b>Vessel sealing system</b>	9 effects/300W
<b>AutoStop</b>	automatic stop of sealing process after achieving the optimal effect
<b>Dimensions</b>	495 x 415 x 225mm (LxWxH)
<b>Weight</b>	12.2kg

**Accessories**



700-350-405  
 2-Button-Footswitch, length: 5m

700-350-402  
 3-Button-Footswitch, length: 5m, quick access key



Disposable Neutral Electrode hydrogel, split, for adults or children  
 10x5 pcs. per package  
 700-503-000 Adults  
 700-503-001 Children



Cable for Disposable Neutral Electrode  
 5m, RZ compatible only  
 700-503-003

# ELECTROSURGICAL GENERATOR



Features:

- Monopolar/bipolar cutting and coagulation
- Automatic instrument detection system
- Intuitive Touchscreen
- Automatic power regulation
- Configurable working modes
- Real-time parameter control
- Special endoscopic modes
- Bipolar resection
- Easy software update

700-340-400 230V  
 700-340-410 110V  
 G44 Electro-surgical Generator

DELIVERY CONTAINS:

- Main Unit
  - Mains Cable
- (Footswitch not included)

Technical data

Line voltage	110-240 VAC
Power consumption	1100VA
Generator operation frequency	333kHz
Display	TFT 7" WVGA
Spectrum result system	automatic power regulation
Monopolar coagulation	max. 200W (200Ω)
Monopolar cutting	max. 400W (100Ω)
Bipolar coagulation	max. 400W (25Ω)
Bipolar cutting	max. 330W (150Ω)

NEM system	neutral electrode control, optical indication, required resistance < 240 Ω
Dimensions	385 x 305 x 141mm (LxWxH)
Weight	7kg

Accessories



700-350-405  
 2-Button-Footswitch, length: 5m

700-350-402  
 3-Button-Footswitch, length: 5m, quick access key

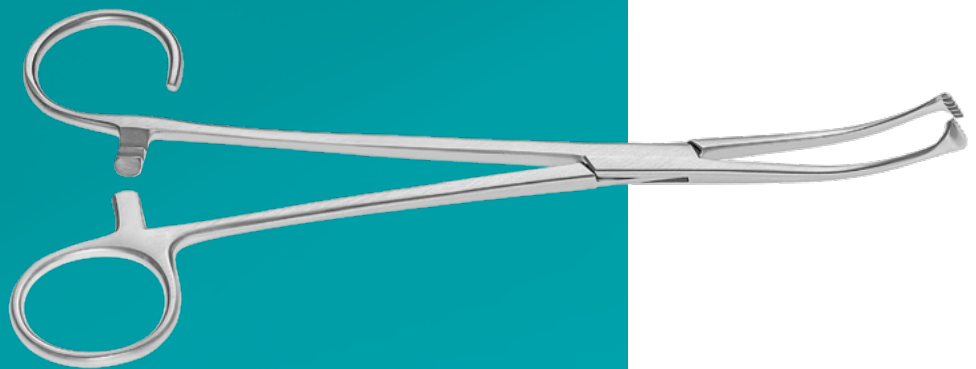


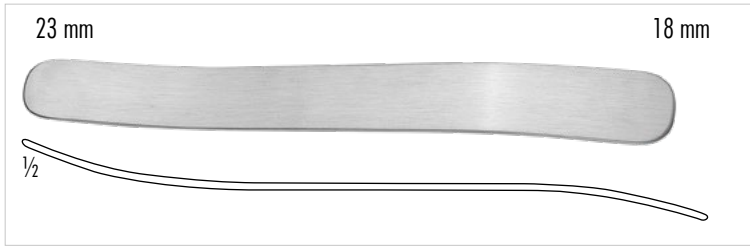
Disposable Neutral Electrode hydrogel, split, for adults or children  
 10x5 pcs. per package  
 700-503-000 Adults  
 700-503-001 Children



Cable for Disposable Neutral Electrode  
 5m, RZ compatible only  
 700-503-003

# ORAL



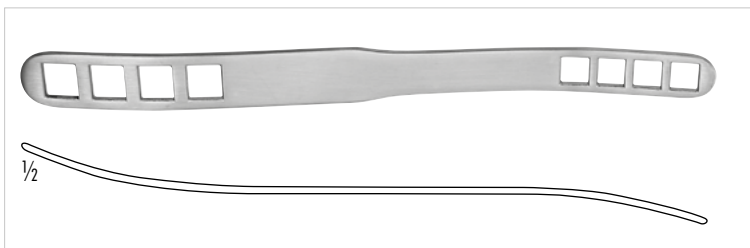


430-361-190  
**BUCHWALD**  
Zungenspatel, 180 mm  
Tongue depressor, 7 inch

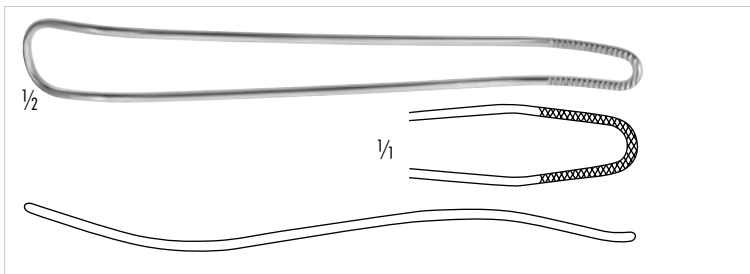


430-362-170  
**MAYO**  
Zungenspatel, 170 mm  
Tongue depressor, 6 2/3 inch

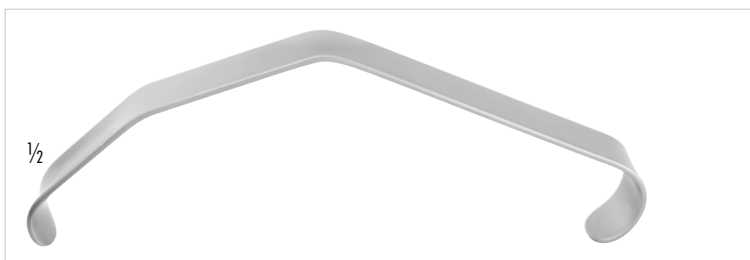
430-363-170  
**MAYO**  
Zungendrucker, s-gebogen, 19 / 23 mm breit, 170 mm  
Tongue depressor, s-curved 19 / 23 mm wide, 6 2/3 inch



430-385-190  
**BRUENINGS**  
Zungenspatel, 190 mm  
Tongue depressor, 7 1/2 inch



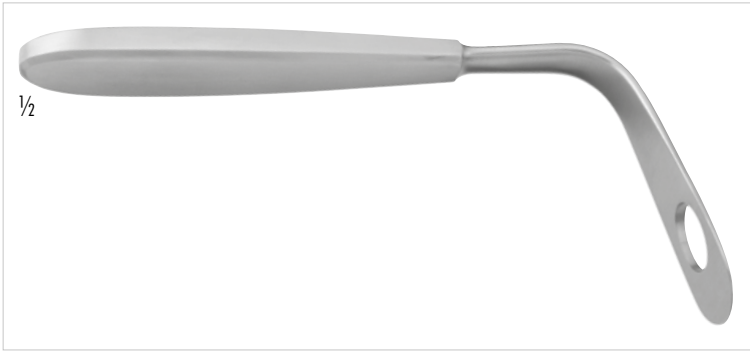
430-396-165  
**FRENZEL**  
Zungenspatel, 165 mm  
Tongue depressor, 6 1/2 inch



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



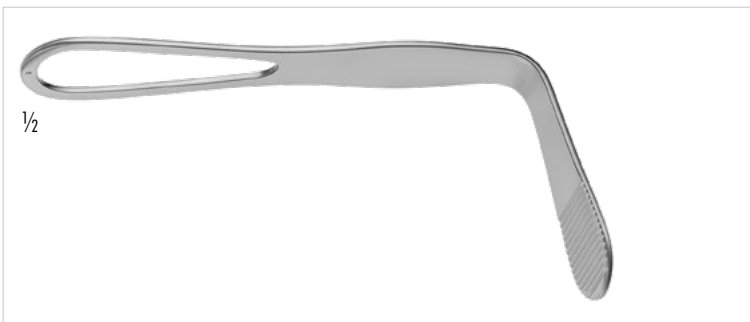
1/2

430-298-100  
**BOSWORTH**  
 Zungendrucker, 145 mm  
 Tongue depressor, 5 1/2 inch



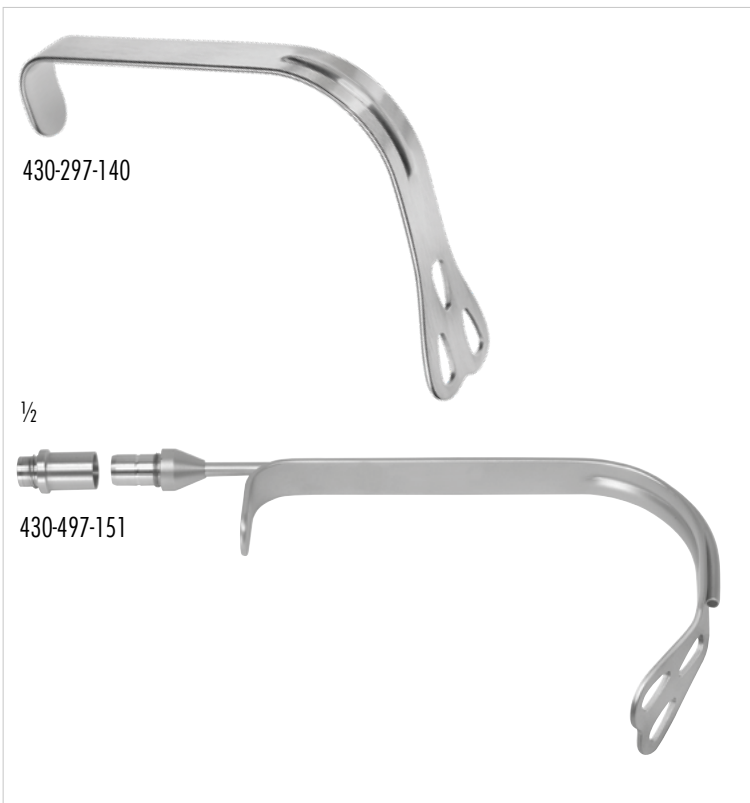
1/2

430-349-145  
**TOBOLD**  
 Zungendrucker, 145 mm  
 Tongue depressor, 5 1/2 inch



1/2

430-271-150  
**HARTMANN**  
 Zungenspatel mit Gittergriff, 150 mm  
 Tongue depressor with fenestrated handle, 6 inch



430-297-140

1/2

430-497-151

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**

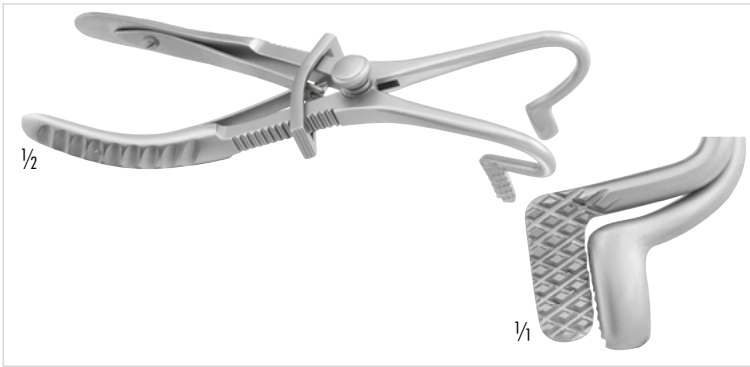
Mundsperrer, 130 mm  
Mouth gags, 5 1/8 inch



- 430-140-110 children, 120mm
- 430-140-110 adults, 140mm

**DOYEN-JANSEN (MOLT)**

Mundsperrer,  
Mouth gags, 4 3/4 inch



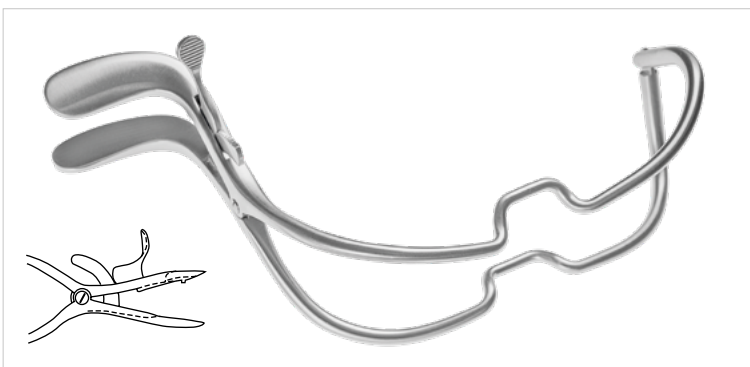
430-145-145  
**FERGUSON-ACKLAND**  
 Mundsperrer, 145 mm  
 Mouth gags, 5 3/4 inch



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  
**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 1/2 inch
- 430-261-110 110 mm , 4 1/2 inch
- 430-261-130 130 mm , 5 inch
- 430-261-150 150 mm , 6 inch

**WHITEHEAD**

Mundsperrer  
Mouth gags



1/2

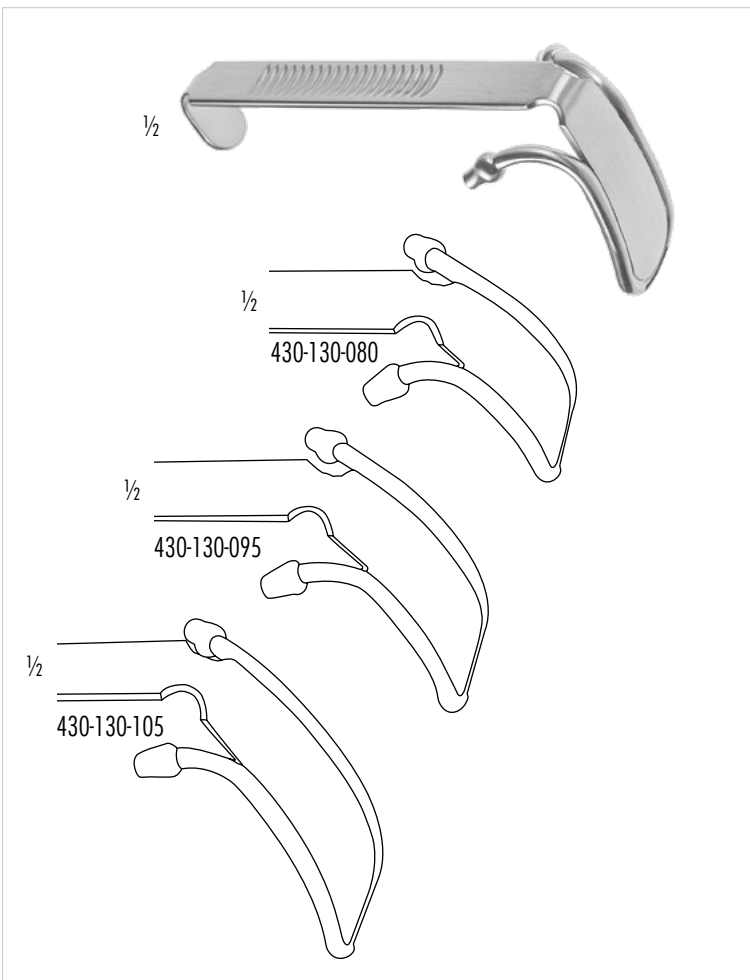
**430-130-500**

**DAVIS-MEYER**

Mundsperrer, Bügel allein, mit 2 Einzelgebissplatten und auswechselbaren Silikoneinlagen, passend für alle Zungenspatel  
Mouth gags, frame only, with 2 single bites and interchangeable silicone inserts, suitable for all tongue depressors

**430-130-550**

Silikoneinlagen allein  
Silicone insert only



1/2

1/2

430-130-080

1/2

430-130-095

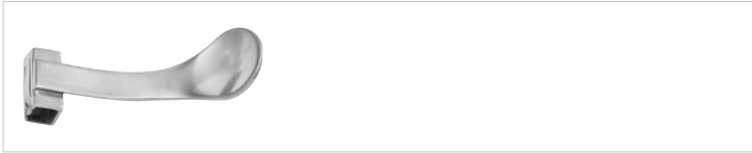
1/2

430-130-105

- 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**

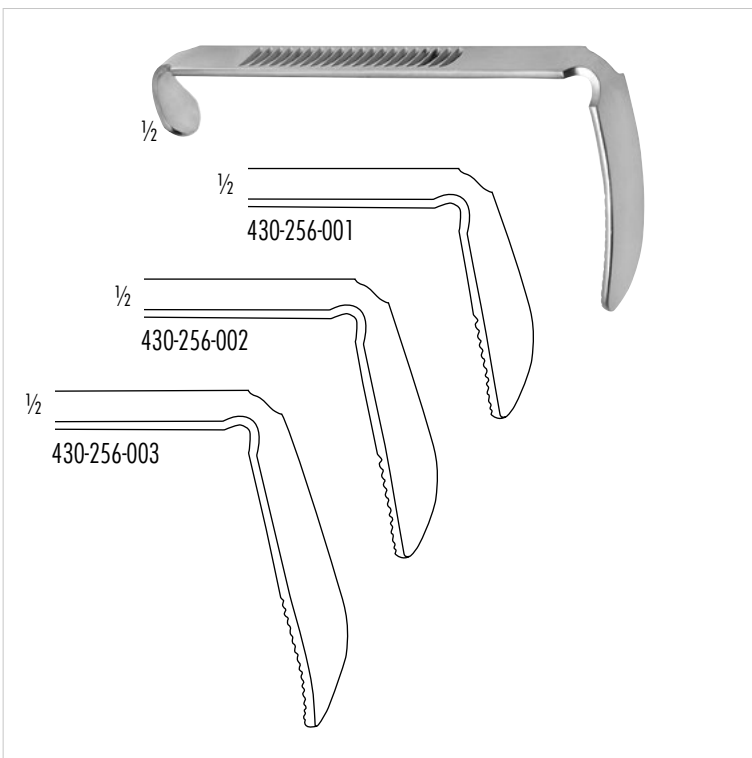
Zungenspatel, allein, mit Schlauchgarnitur  
Tongue blade only, with tubing set for anaesthesia channel



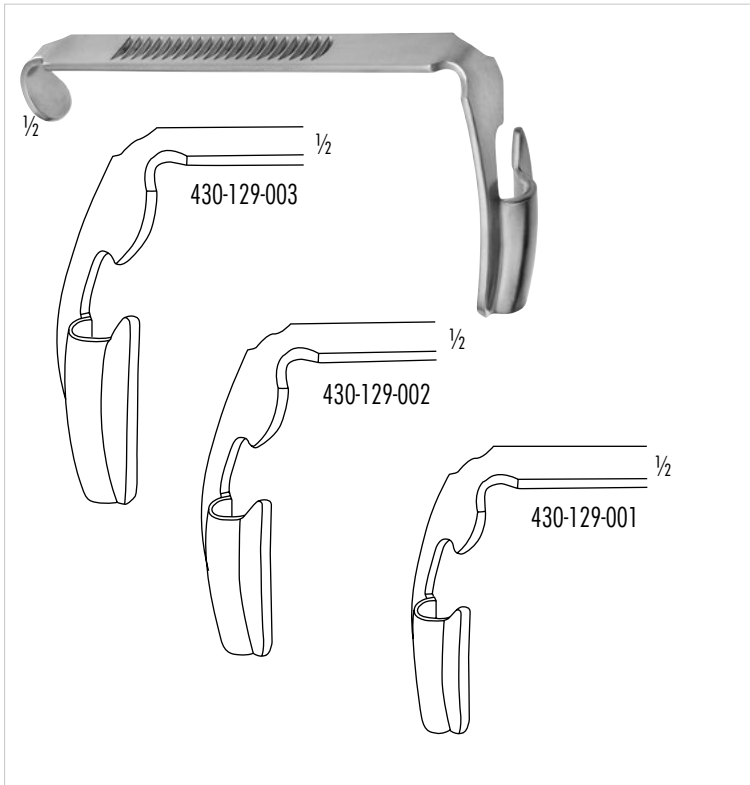
**430-130-560**  
Gaumenplatte zu Bügel 430-130-500, für zahnlose Patienten  
Palate blade to be used with 430-130-500, for toothless patients



**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

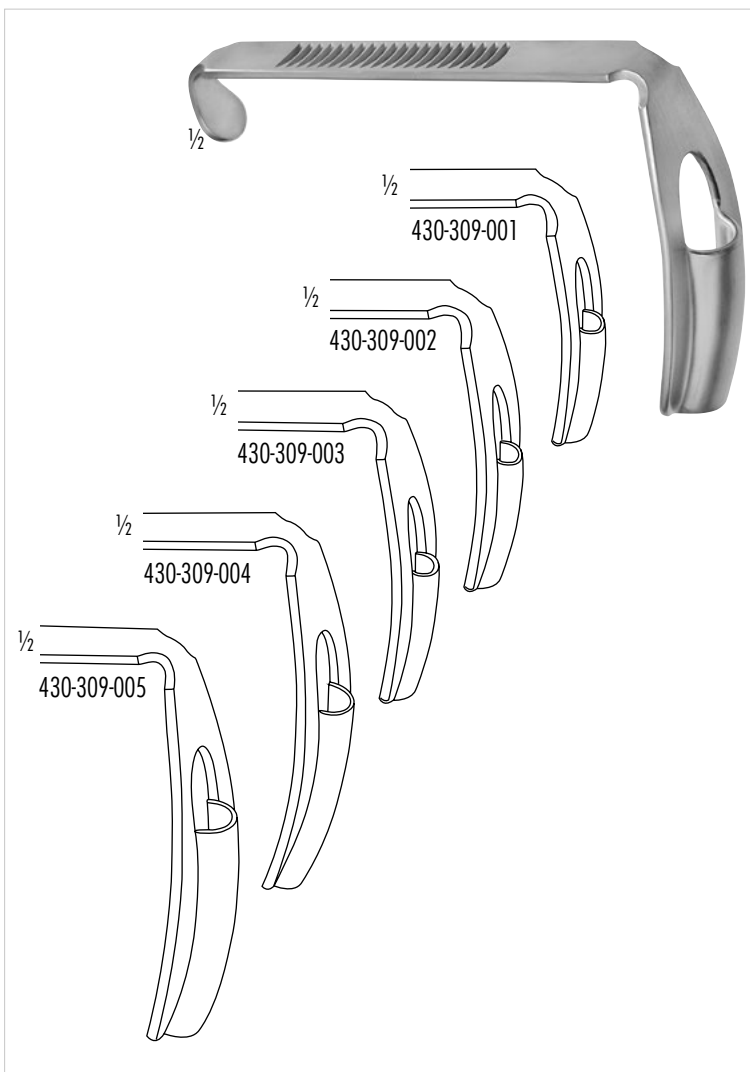


430-129-001	28 x 65 mm
430-129-002	32 x 75 mm
430-129-003	37 x 80 mm

**RZ**

Zungenspatel, allein, mit Mittelrinne für Intubationstubus und seitlichem Einschnitt

Tongue blade only, with groove for endotracheal tube and lateral slot

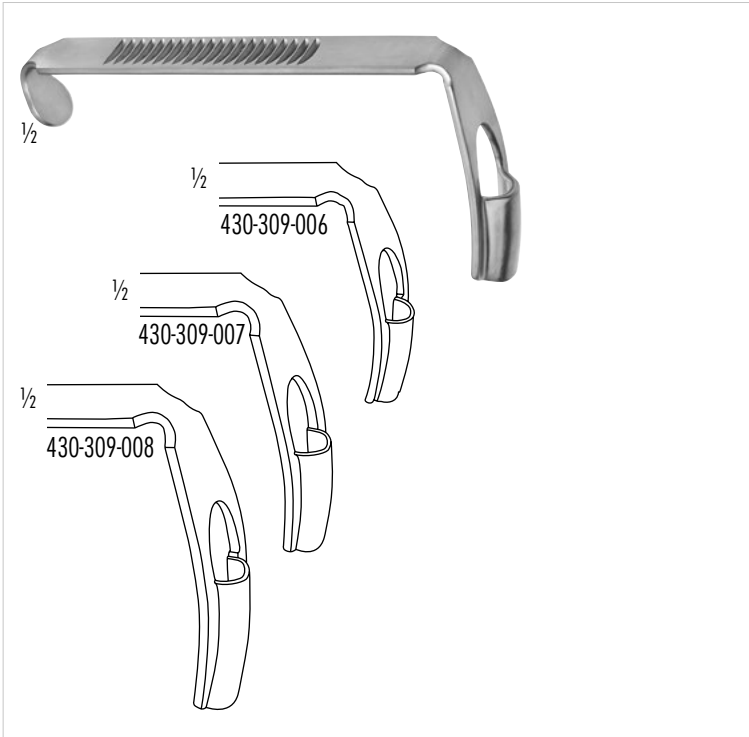


430-309-001	28 x 65 mm
430-309-002	32 x 75 mm
430-309-003	37 x 80 mm
430-309-004	41 x 94 mm
430-309-005	46 x 103 mm

**RUSSEL-DAVIS**

Zungenspatel, mit Mittelrinne für Intubationstubus

Tongue blade, with groove for the endotracheal tube

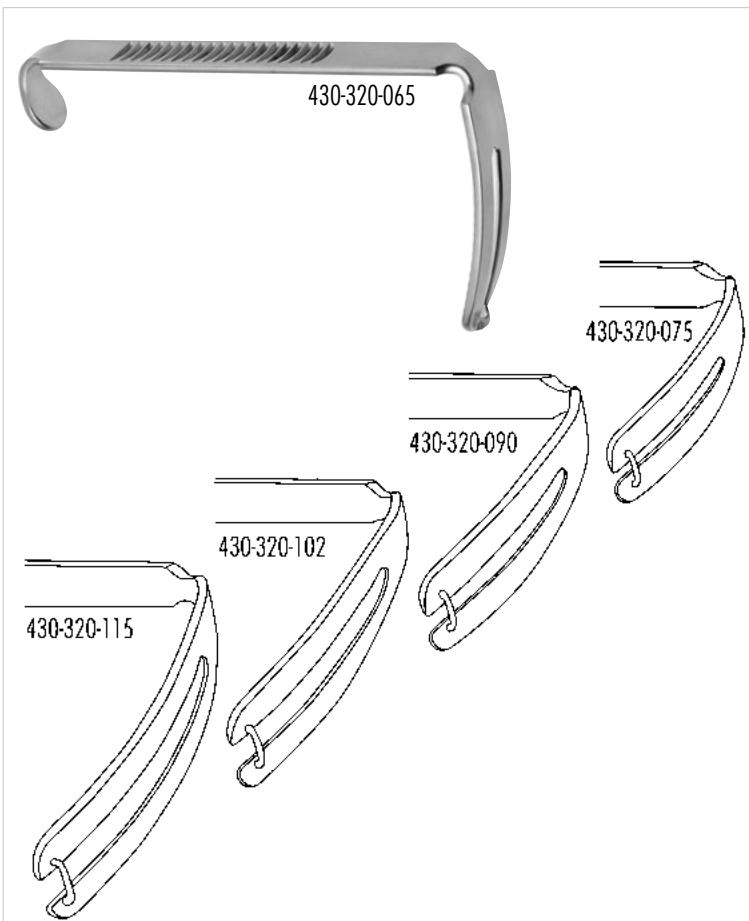


430-309-006	18 x 57 mm
430-309-007	22 x 67 mm
430-309-008	25 x 75 mm

### RUSSEL-DAVIS

Zungenspatel allein, extra schmales Modell, mit Mittelrinne für Intubationstubus

Tongue blade, very narrow pattern, with groove for endotracheal tube

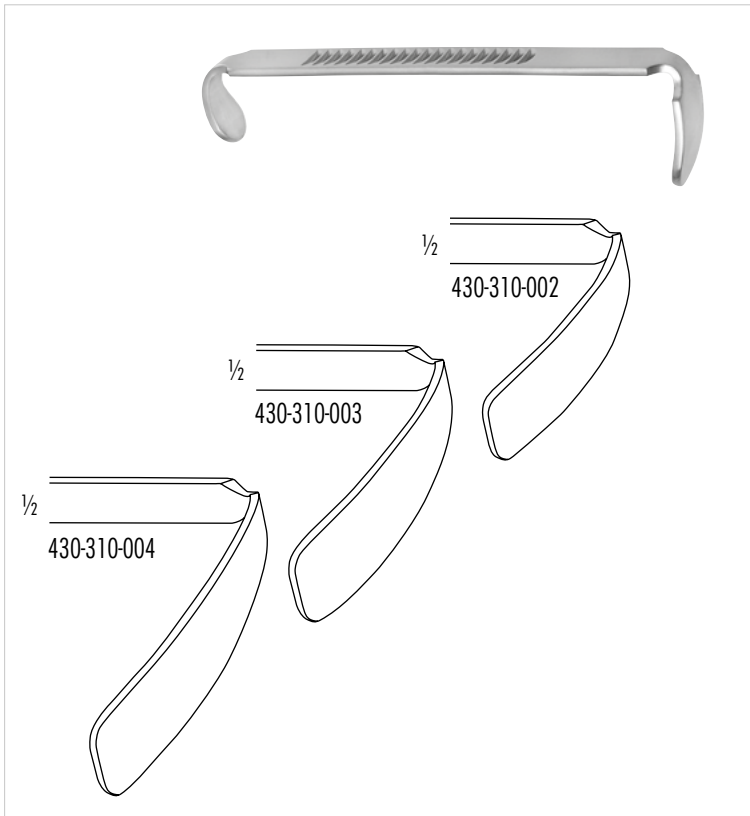


430-320-065	23 x 65 mm
430-320-075	24 x 80 mm
430-320-090	25 x 93 mm
430-320-102	26 x 108 mm
430-320-115	26 x 114 mm

### 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

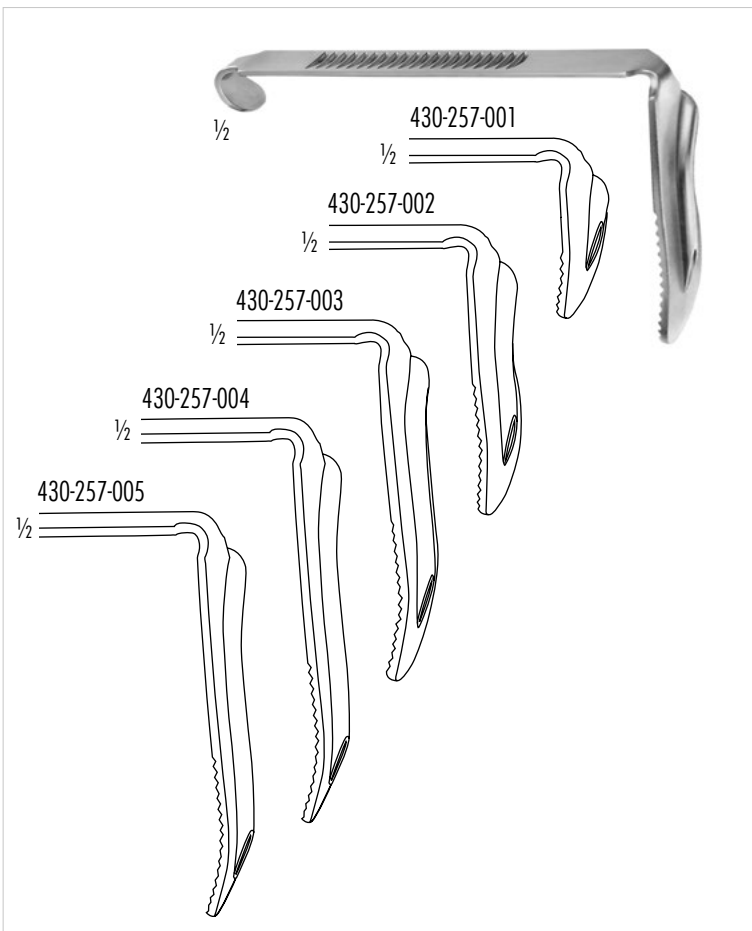


430-310-000

**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

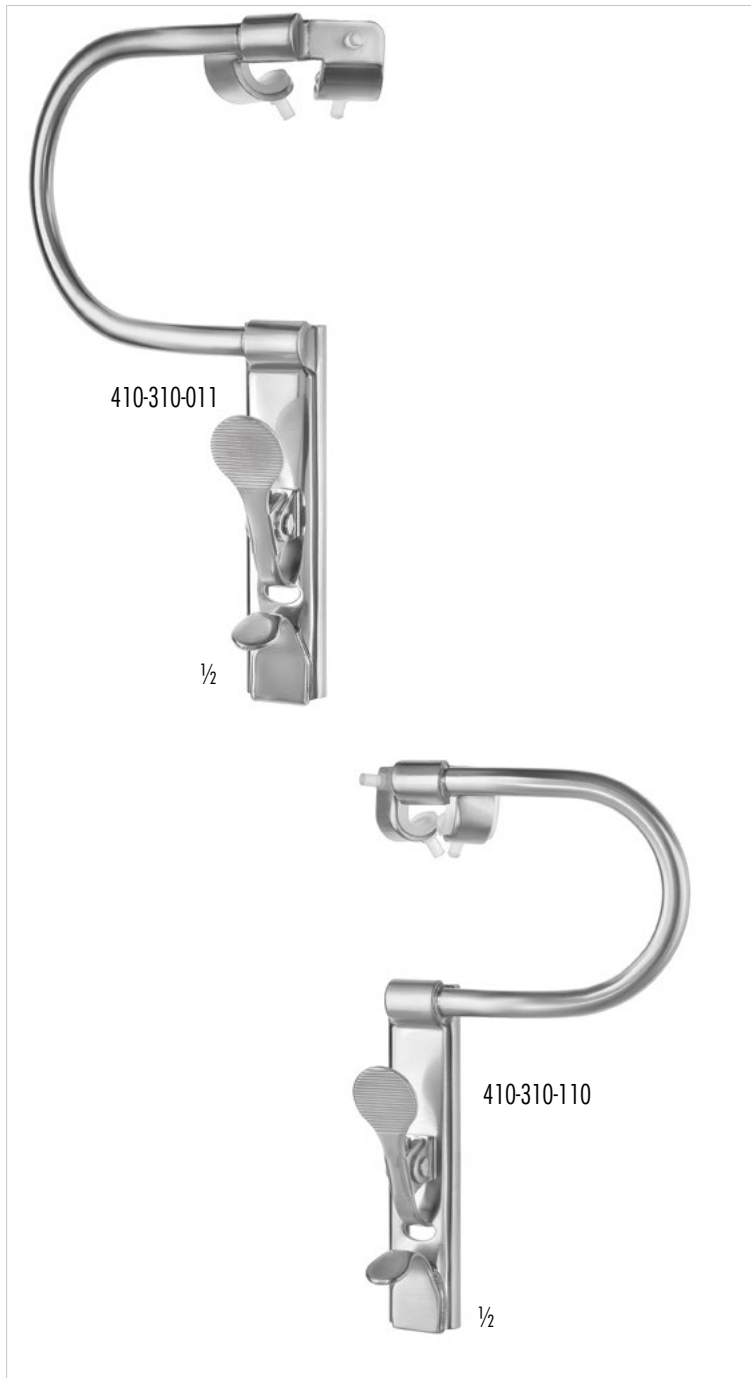
430-257-005

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

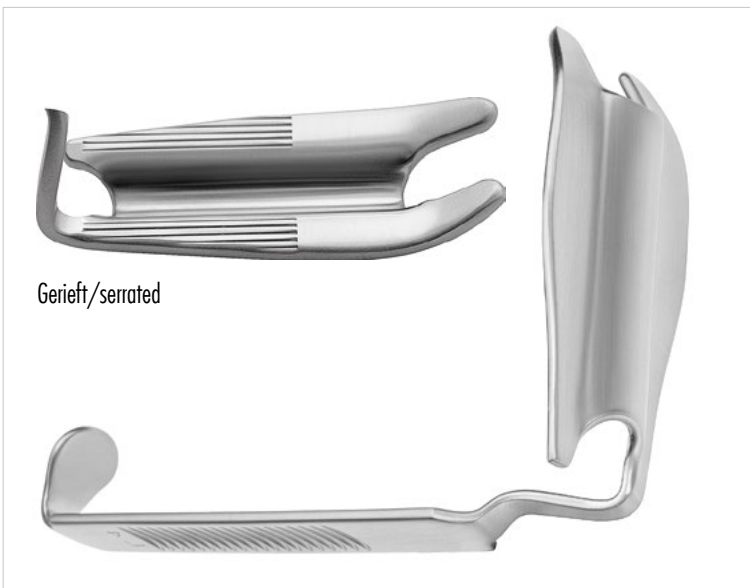
430-310-110  
**DAVIS-BOYLE**  
 Mundsperrer, Rahmen für Kinder  
 Mouth gag, frame for children



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



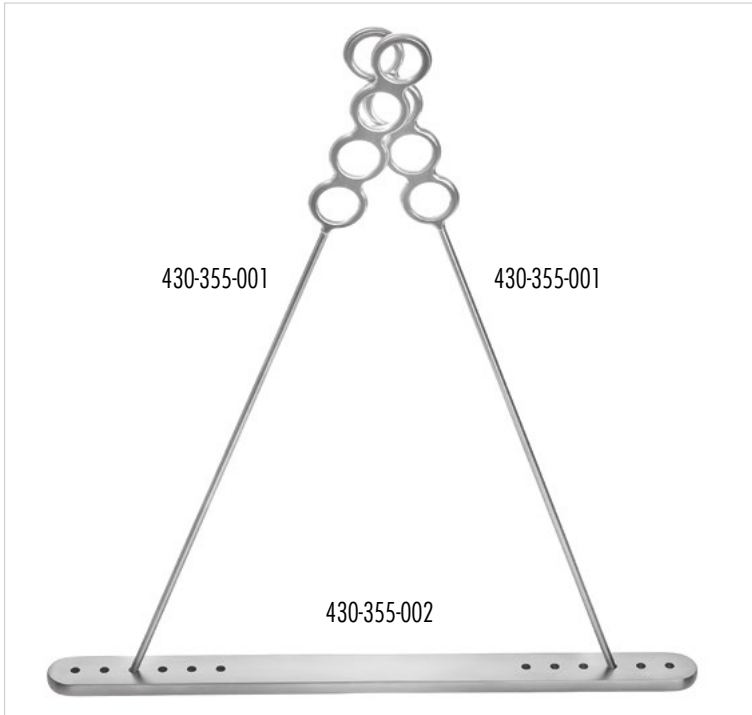
Gerieft/serrated

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, paarweise/bar, pair

430-355-002

Grundplatte/Magauran Plate

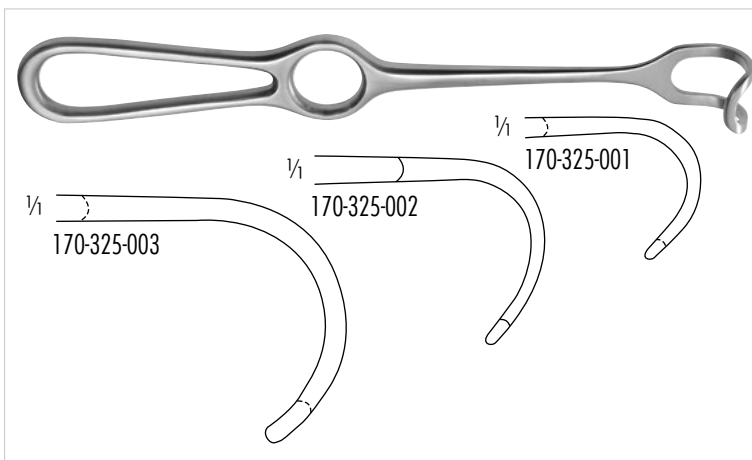


430-320-000

**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

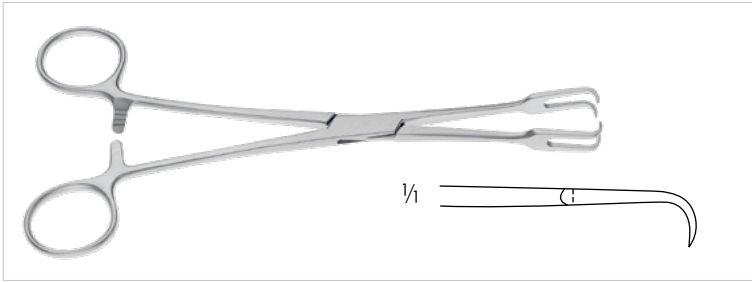


440-225-222

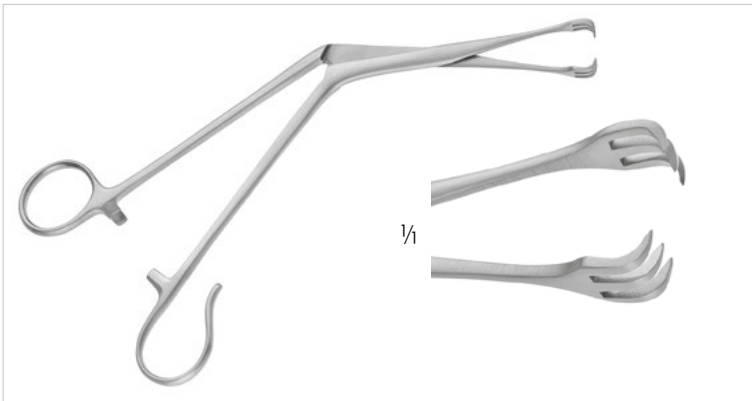
**GREENE**

Thyroid Retraktor, 17x25 mm, gefenstert, 220mm

Thyroid retractor, 17x25 mm, fenestrated, 8 3/4 inch



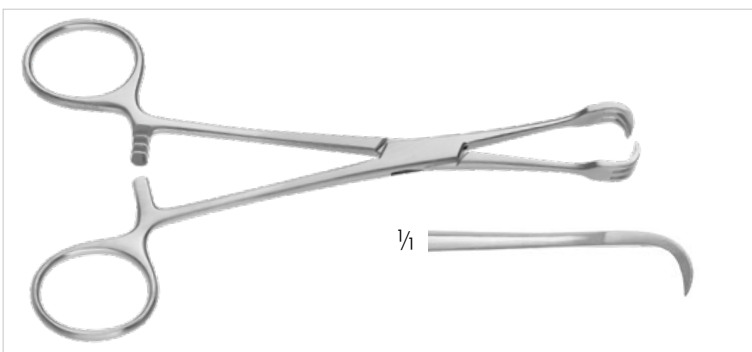
140-602-200  
**MUSEUX**  
 Tonsillenenfaßzange, 2x2 Zähne, 200 mm  
 Tonsil holding forceps, 2x2 teeth, 8 inch



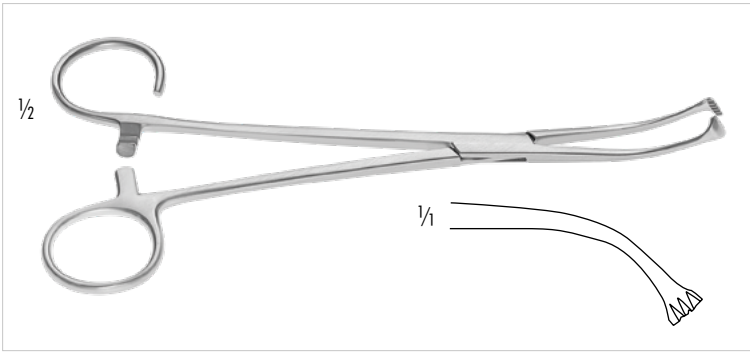
430-631-002  
**TIVNEN-TYDING**  
 Tonsillenenfaßzange, 3x3 Zähne, 1 offener Ring, 210 mm  
 Tonsil seizing forceps, 3x3 teeth, 1 open ring, 8 1/4 inch



420-427-200  
**DENIS-BROWNE**  
 Tonsillenklemme, 10mm, 200mm  
 Tonsil holding Forceps, 10mm, 8 inch



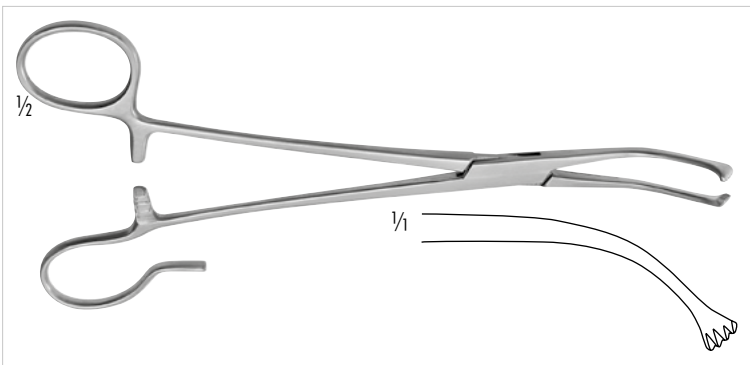
440-030-150 150mm, 6 inch  
 440-030-200 200mm, 7 3/4 inch  
**LAHEY**  
 Kropffäßzange  
 Goitre Seizing forceps



140-620-180 180 mm, 7 inch  
140-620-235 235 mm, 9 1/4 inch

**WHITE**

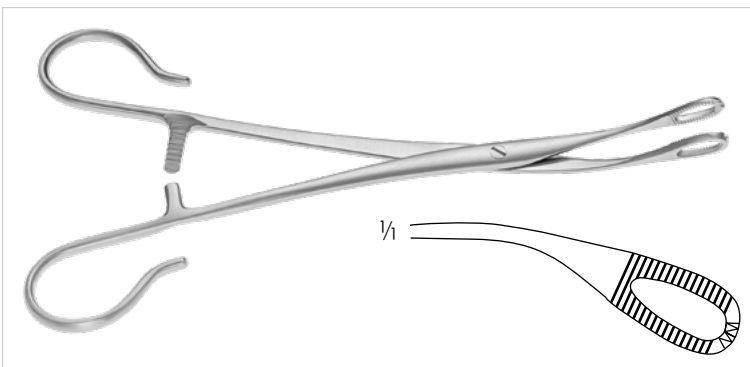
Tonsillenfaßzange, 180 mm  
Tonsil holding forceps, 7 inch



140-626-190

**COLVER**

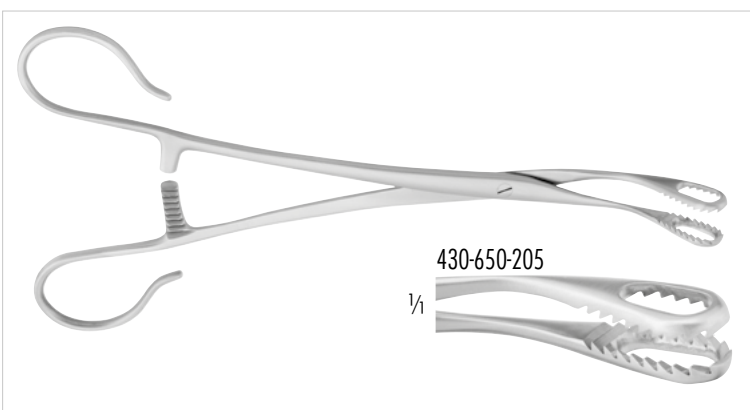
Tonsillenklemme, gebogen, 190 mm  
Tonsil seizing forceps, curved, 7 1/2 inch



140-625-200

**BLOHMKE**

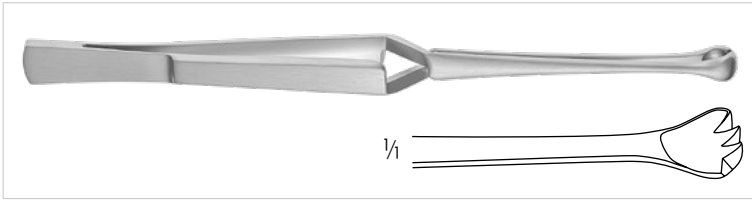
Tonsillenfaßzange, 200 mm  
Tonsil holding forceps, 8 inch



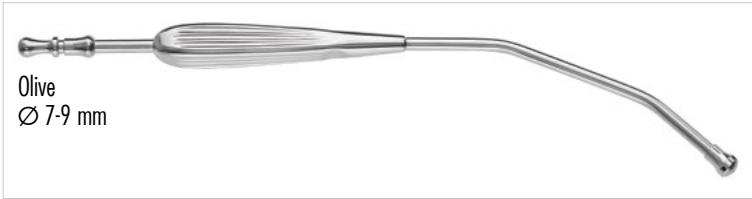
430-650-205

**ABRAHAM**

Tonsillenfaßzange, 205 mm  
Tonsil holding forceps, 8 inch



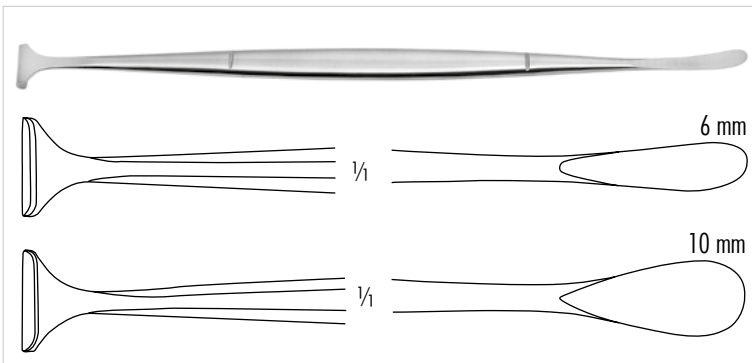
430-620-220  
**MARSCHIK**  
 Tonsillenfaßpinzette, 220 mm  
 Tonsil grasping forceps, 8 3/4 inch



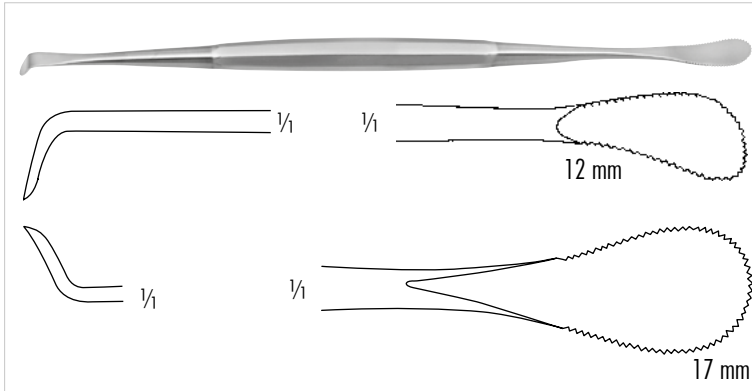
165-543-270 Ø 10 mm  
**YANKAUER**  
 Saugrohr mit zentraler Bohrung, 270 mm  
 mit Schlaucholive Ø 7-9mm  
 Tonsil suction tube, with central drill, 10 3/4 inch  
 with olive Ø 7-9mm



430-670-235  
**LOPEZ-REINKE**  
 Tonsillendissektor mit Absaugvorrichtung, 235 mm  
 Tonsil suction dissector, 8 1/2 inch



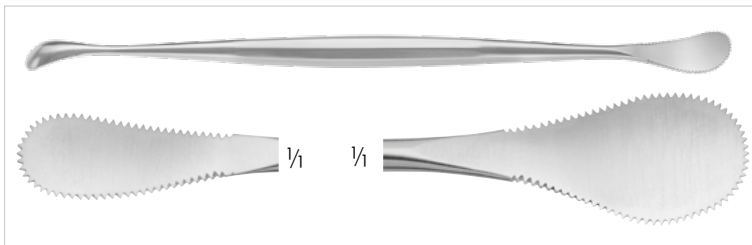
430-600-215 7.5 mm  
 430-601-220 10 mm  
**HURD**  
 Tonsillendissektor und -retraktor, 215 mm  
 Tonsil dissector and pillar retractor, 8 1/2 inch



430-600-230 12 mm  
430-601-230 17 mm

**HENKE**

Tonsillendissektor und -retractor, 235 mm  
Tonsil dissector and pillar retractor, 9 1/4 inch



430-602-230 17 mm

**HENKE**

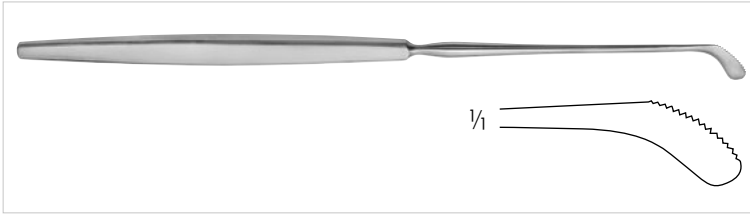
Tonsillendissektor, doppelendig, 12 mm / 18 mm  
gezahntes Blatt, 230 mm  
Tonsil dissector, double-ended, 12 mm / 18 mm  
serrated blade, 9 inch



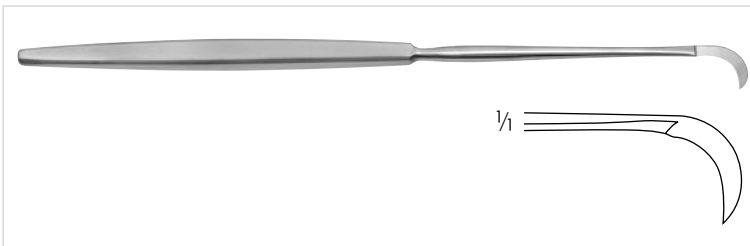
430-655-210

**MOLLINSON**

Tonsillendissektor und -retractor, halb-scharf, 210 mm  
Tonsil dissector and pillar retractor, semi-sharp, 8 1/2 inch



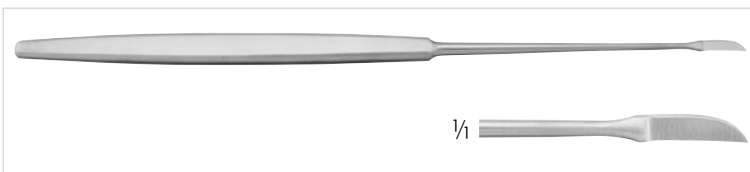
430-656-190  
**FISCHER**  
Tonsillennmesser, 225 mm  
Tonsil knife, 9 inch



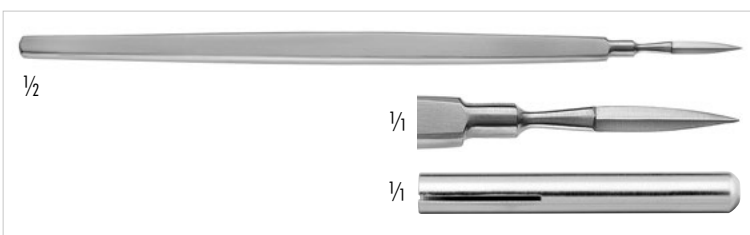
430-652-215  
**BRUENINGS**  
Tonsillennmesser, 230 mm  
Tonsil knife, 9 inch



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



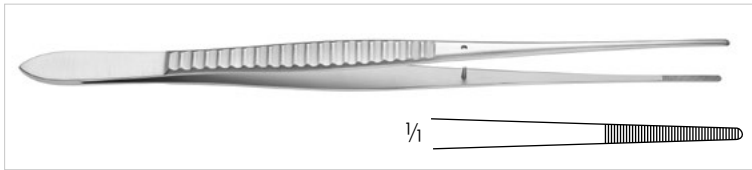
430-656-195  
Tonsillennmesser, mit doppelter Schneide, mit Schutzkappe, 175 mm  
Tonsil knife, double-edge cutting, with protection cup, 7 inch



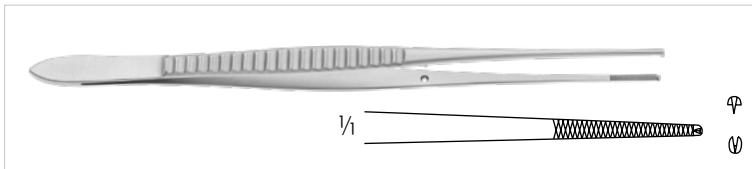
110-130-077  
Skalpelli Griff, Nr. 7, 165 mm  
Scalpel handle, No.7, 6 1/2 inch



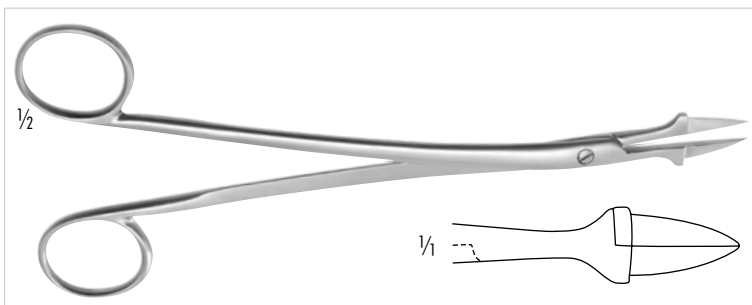
110-116-033  
Skalpelli Griff, Nr. 3L, 210 mm  
Scalpel handle, No. 3L, 8 1/4 inch



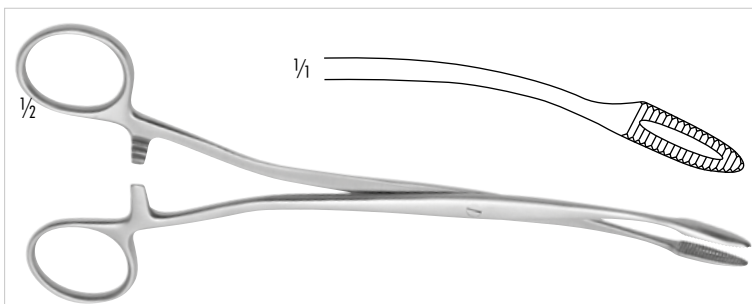
130-038-200  
**WAUGH**  
Feine anatomische Pinzette, 200 mm  
Delicate dissecting forceps, 8 inch



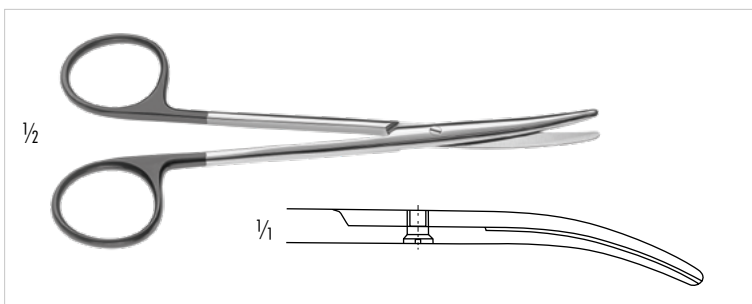
130-160-200  
**WAUGH**  
Feine chirurgische Pinzette, 1 x 2 Zähne, 200 mm  
Delicate tissue forceps, 1 x 2 teeth, 8 inch



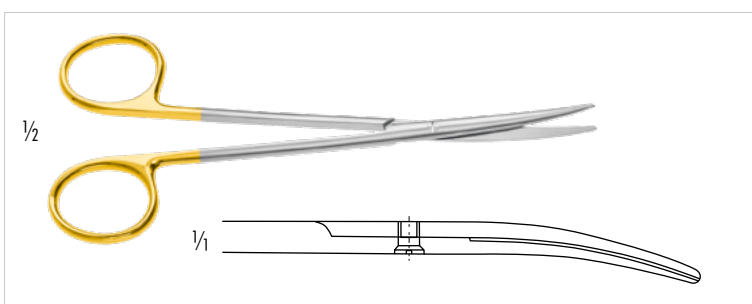
430-605-200  
**THILENIUS**  
Tonsillenabszeßzange, 190 mm  
Tonsil abscess forceps, 7 1/2 inch



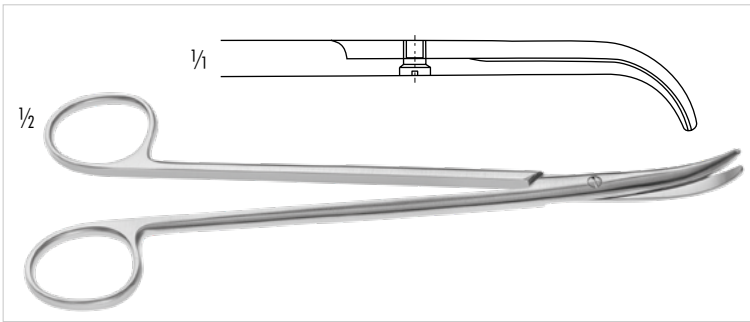
150-130-200 gerade/straight  
150-131-200 gebogen/gebogen  
**DUPLAY**  
Polypenzange, 200 mm  
Dressing forceps, 8 inch



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



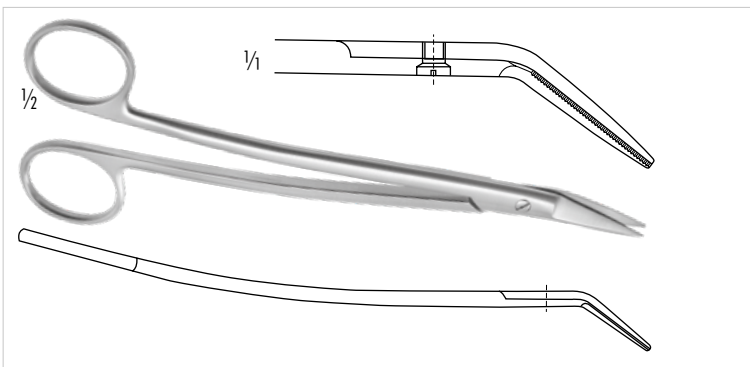
120-521-145 145 mm, 5 3/4 inch  
120-521-180 180 mm, 7 inch  
120-521-200 200 mm, 8 inch  
**METZENBAUM**  
TC Präparierschere, gebogen  
TC Dissecting scissors, curved



120-133-190

**THOREK**

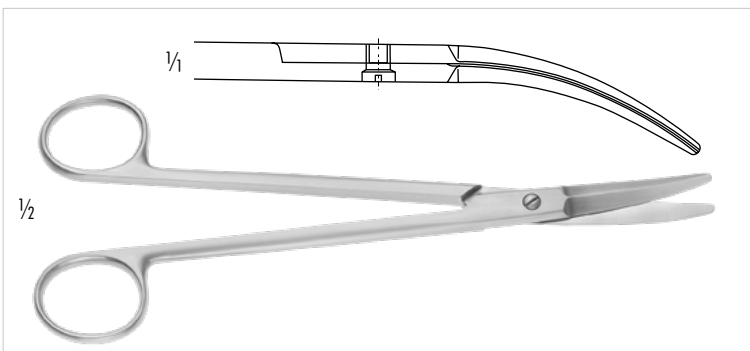
Tonsillenschere, stark gebogen, 190 mm  
Tonsil scissors, strong curved, 7 1/2 inch



120-213-170

**DEAN**

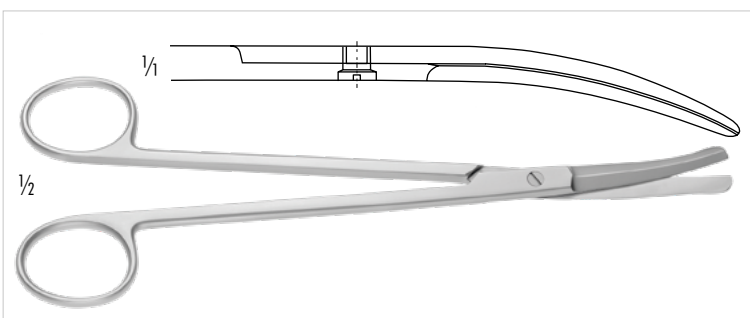
Tonsillenschere, aufgebogen, Blätter gezahnt, 170 mm  
Tonsil scissors, angled upwards, serrated blades, 6 3/4 inch



120-209-180

**BOETTCHER**

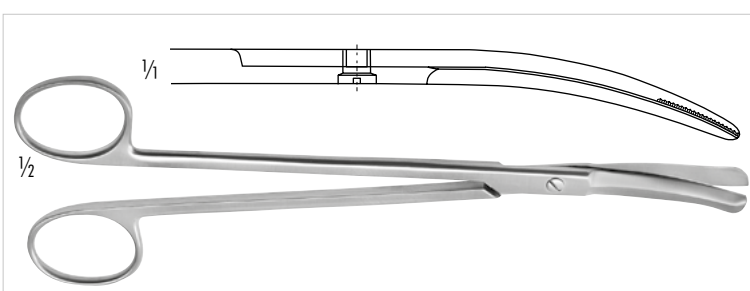
Tonsillenschere, gebogen, 180 mm  
Tonsil scissors, curved, 7 inch



120-217-190

**GOOD**

Tonsillenschere, 190 mm  
Tonsil scissors, 7 1/2 inch

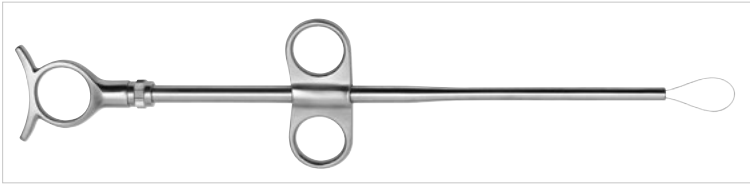


120-218-190

**SCHWECKENDIEK**

Tonsillenschere, 195 mm  
Tonsil scissors, 7 3/4 inch

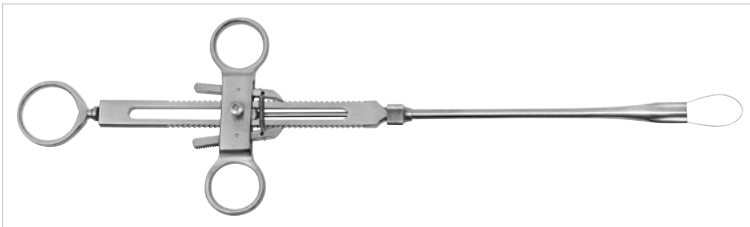




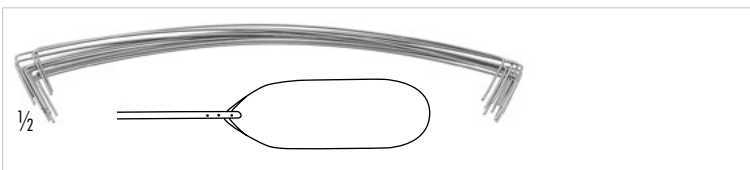
430-603-280  
**EYES**  
 Tonsillenschnürer, 285 mm  
 Tonsil snare, 11 1/4 inch



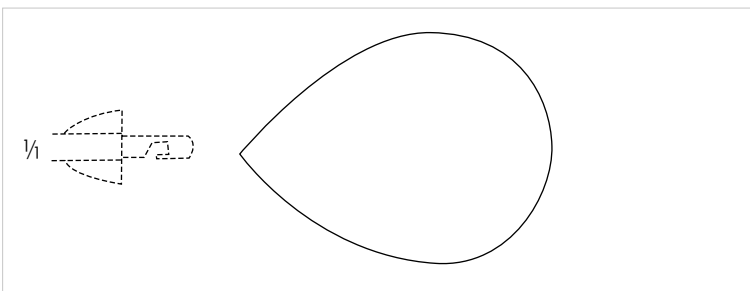
430-604-280  
**EYES**  
 Tonsillenschnürer, mit Sperre, 285 mm  
 Tonsil snare, with ratchet, 11 1/4 inch



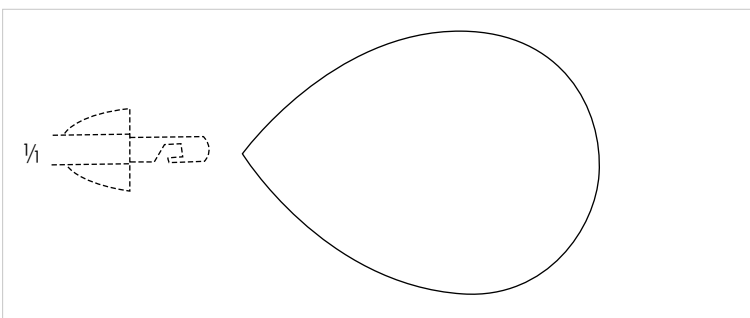
430-605-270  
**BRUENINGS**  
 Tonsillenschnürer, 270 mm  
 Tonsil snare, 10 1/2 inch



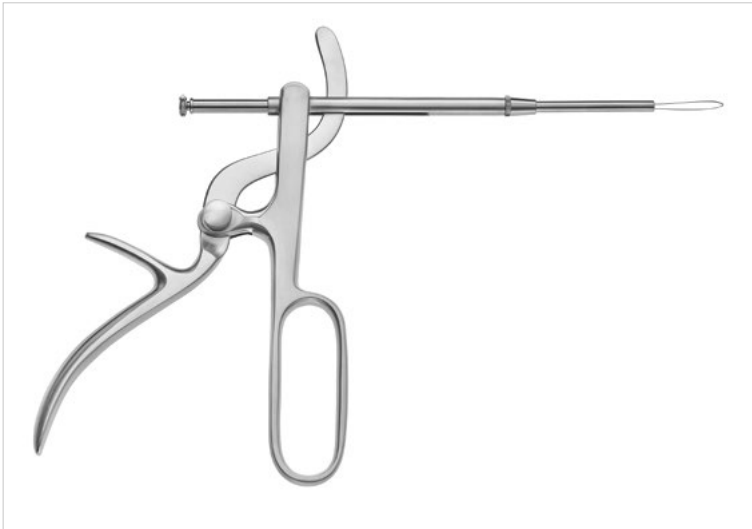
430-606-003 Ø 0,3 mm  
 430-606-005 Ø 0,5 mm  
 Schnürerdrähte, Bestelleinheit: DZ=Packung à 12 Stück  
 Snare wires, sales unit: DZ=Package of 12 pieces



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



430-620-000

**TYDING**

Tonsillenschnürer mit abnehmbarem, geradem Aufsatz 430-620-100  
Tonsil snare with detachable straight tip 430-620-300



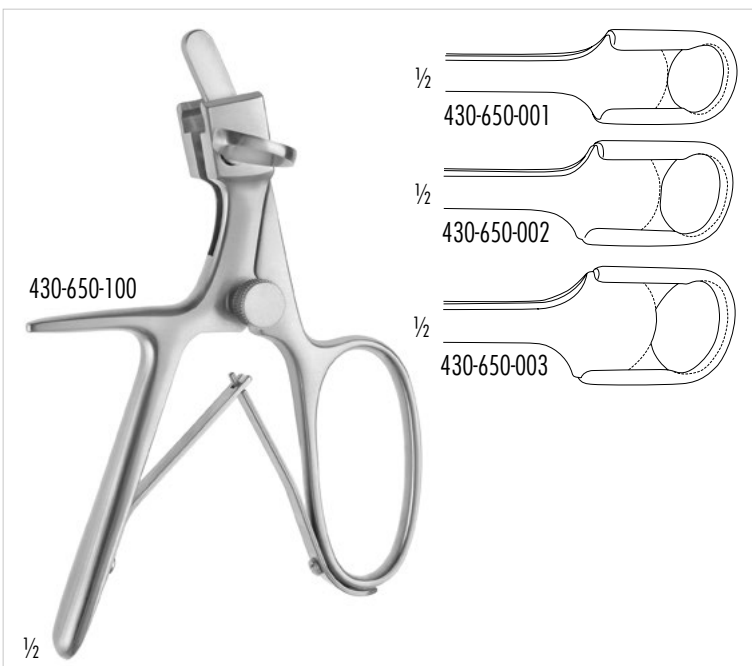
430-620-100

Gerader Aufsatz, allein  
Straight tip, only



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

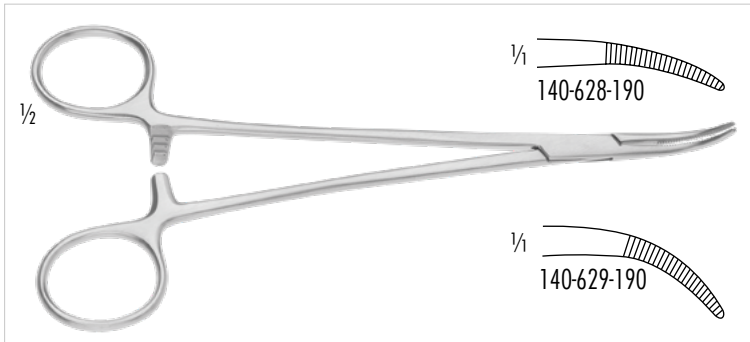
430-650-003 Fig. 3

**SLUDER-BALLENGER**

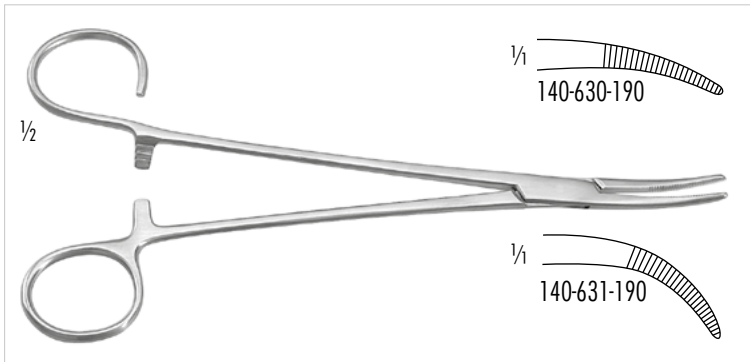
Aufsätze für Tonsillotomgriff 430-650-100  
Blades for tonsillotome handle 430-650-100

430-650-100

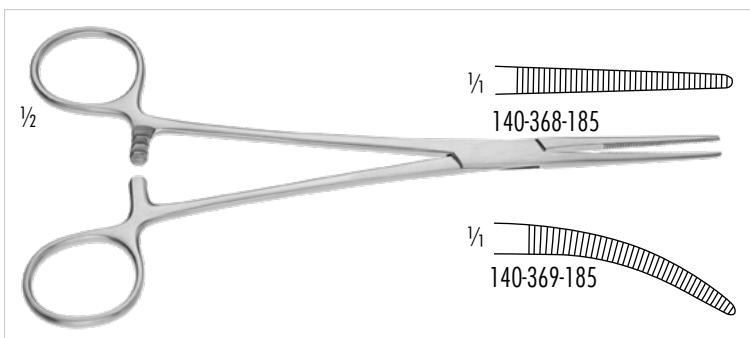
Tonsillotomgriff für Aufsätze 430-650-001 - 430-650-003  
Tonsillotome handle for blades 430-650-001 - 430-650-003



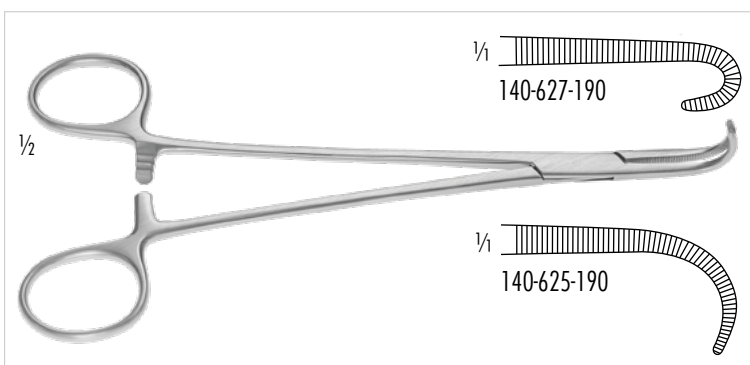
140-628-190 leicht gebogen/slightly curved  
 140-629-190 stark gebogen/strongly curved  
**SCHNIDT**  
 Tonsillenklemme, 190 mm  
 Tonsil artery forceps, 7 1/2 inch



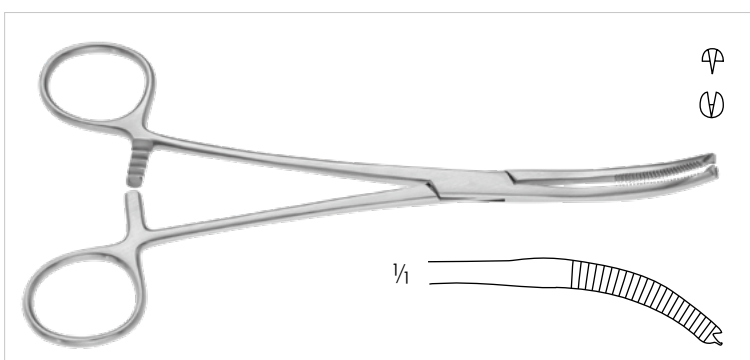
140-630-190 leicht gebogen/slightly curved  
 140-631-190 stark gebogen/strongly curved  
**SCHNIDT**  
 Tonsillenklemme, mit offenem Ring, 185 mm  
 Tonsil artery forceps, with open ring, 7 1/4 inch



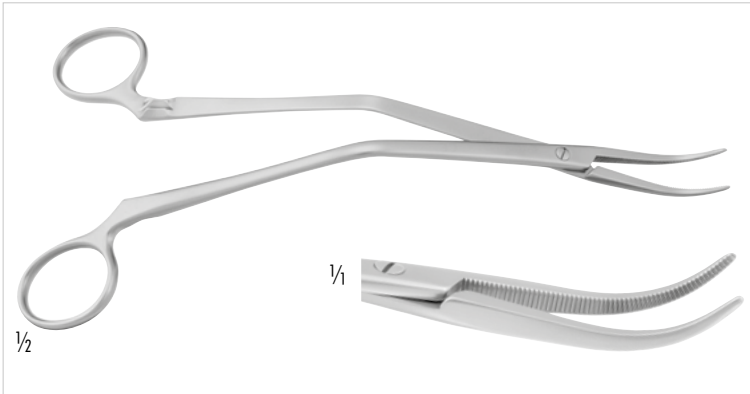
140-368-185 gerade/straight  
 140-369-185 gebogen/curved  
**BIRKETT**  
 Arterienklemme, 185 mm  
 Hemostatic forceps, 7 1/4 inch



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



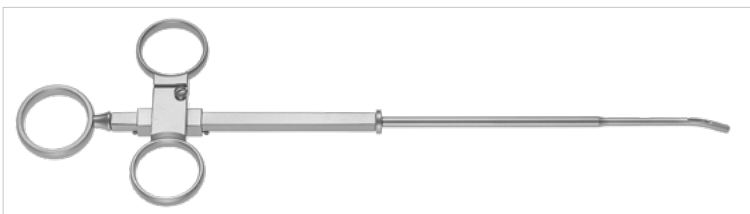
180-720-230  
**CLAUS-EICKEN**  
 Unterbindungsnadel, 230 mm  
 Ligature needle, 9 inch



180-711-240  
**NAGER**  
 Unterbindungsnadel, 240 mm  
 Ligature needle, 9 1/2 inch



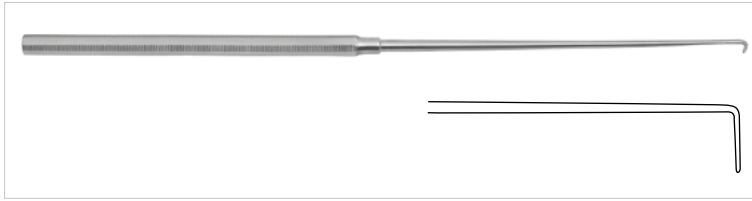
180-718-210 links/left  
 180-719-210 rechts/right  
**HURD**  
 Unterbindungsnadel, 210 mm  
 Ligature needle, 8 1/4 inch



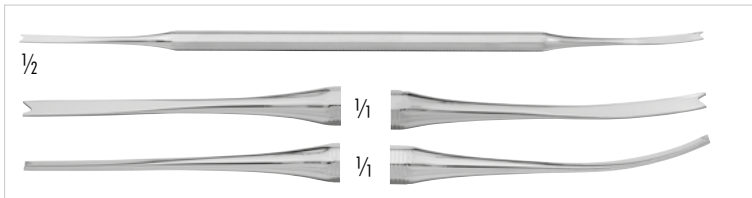
430-500-260  
**ROEDER**  
 Ligaturinstrument, 260 mm  
 Ligature instrument, 10 1/4 inch



430-505-205  
**NEGUS**  
 Fadengabel, 205 mm  
 Knot tyer, 8 inch



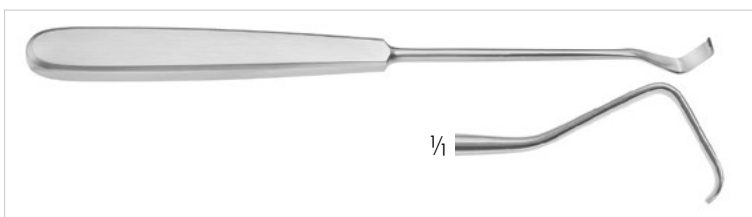
430-506-210  
**CLAUS-EICKEN**  
 Fadenfänger, 210 mm  
 Suture hook (catcher), 8 ¼ inch



430-602-175  
**LUNIATSCHEK**  
 Tonsillen Tamponstopfer, 2 mm, 190 mm  
 Tonsil gauze packers, 2 mm, 7 ½ inch



430-520-230  
**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



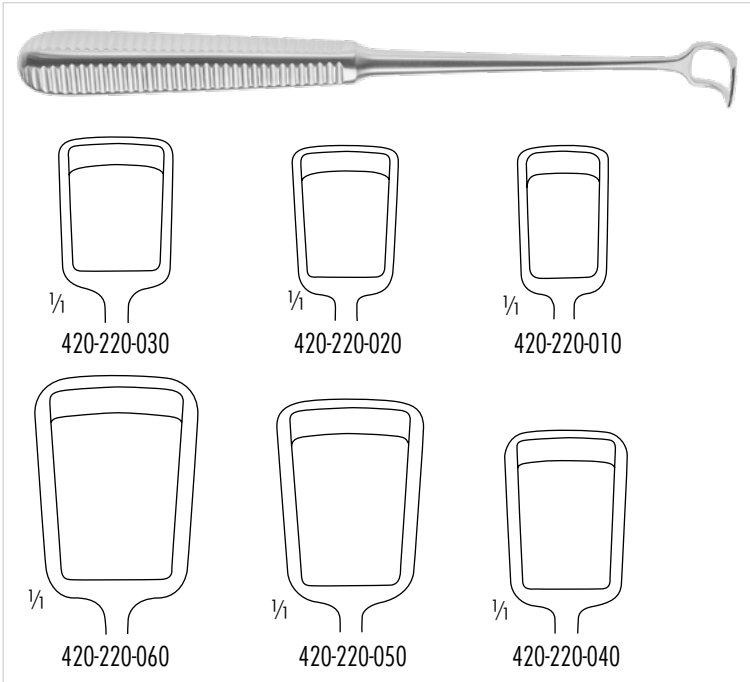
430-300-230  
**HOFER**  
 Gaumenretraktor, 240 mm  
 Uvula retractor, 9 ½ inch



430-522-230  
**HURD**  
 Elevator, 230 mm  
 Elevator, 9 inch



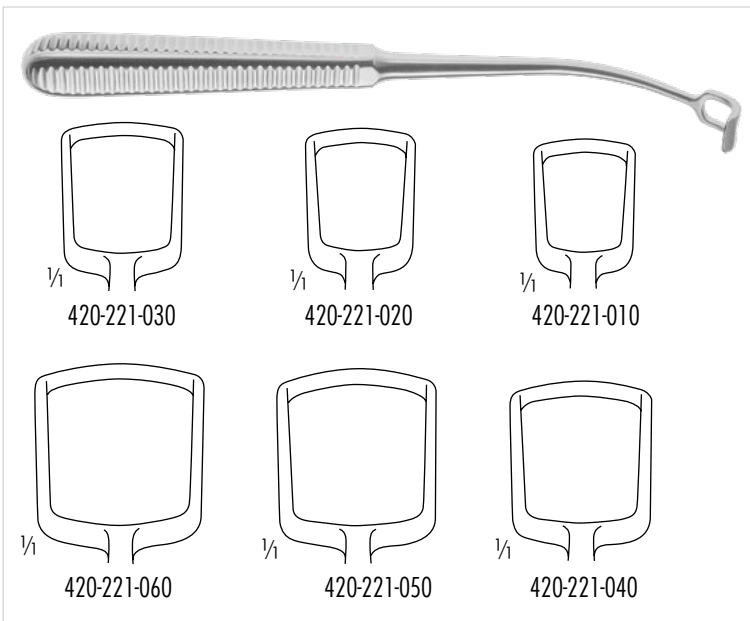
430-524-210  
**NAGER**  
 Gaumenhaken, 210 mm  
 Uvula retractor, 8 ¼ inch



- 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**

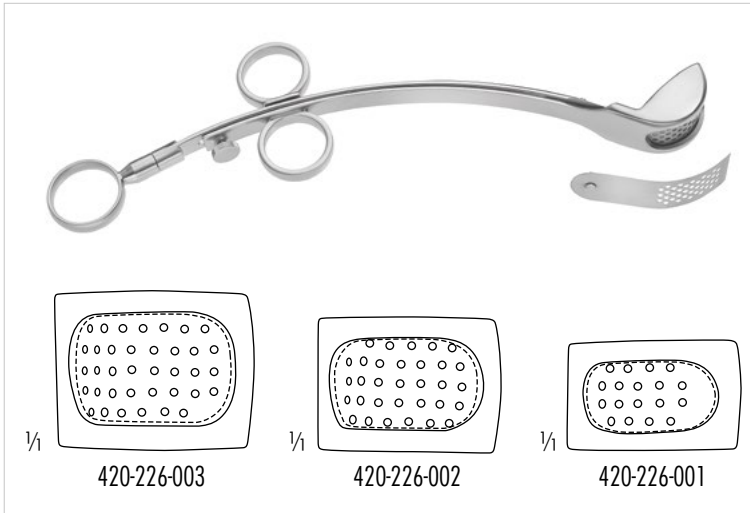
Ringmesser, 220 mm  
Adenoid curette, 8 3/4 inch



- 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

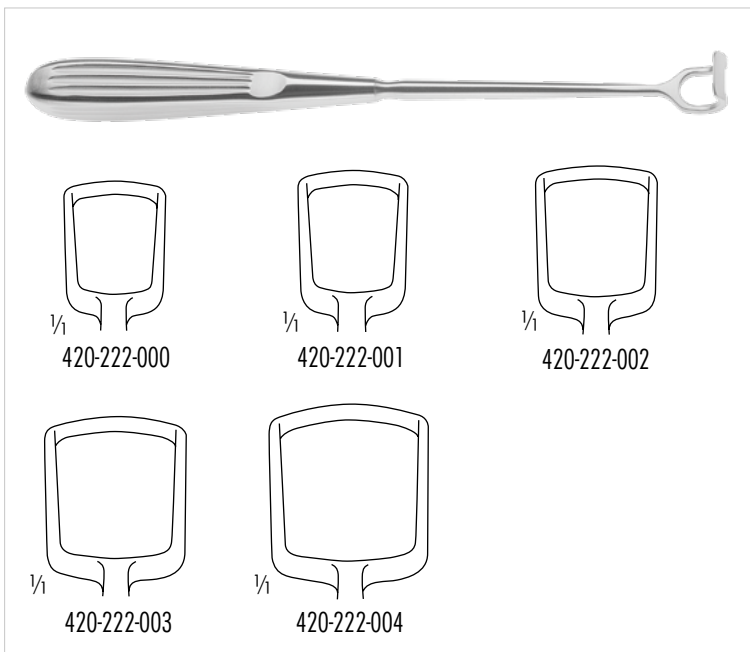
**LA FORCE**

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



- 420-222-000 Fig. 0
- 420-222-001 Fig. 1
- 420-222-002 Fig. 2
- 420-222-003 Fig. 3
- 420-222-004 Fig. 4

**BARNHILL**

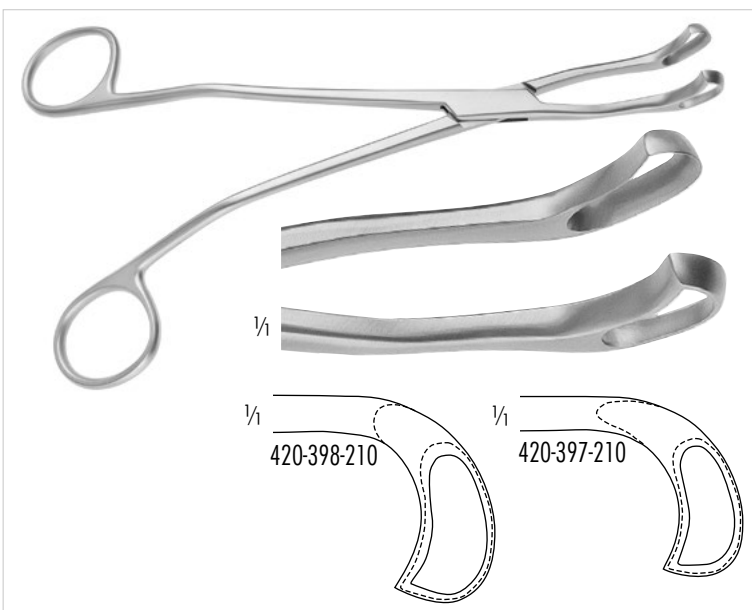
Ringmesser, 220 mm  
Adenoid curette, 8 3/4 inch



420-395-240  
**JATHO**  
 Nasenrachenraumzange, 240 mm  
 Nasopharynx forceps, 9 1/2 inch

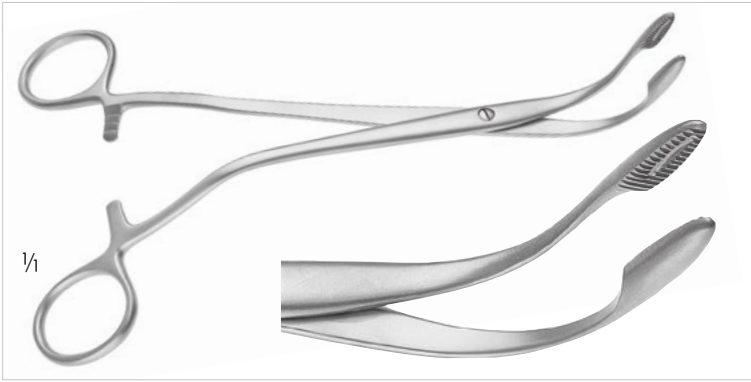


420-396-190  
**JURASZ**  
 Nasenrachenzange für Kinder, 190 mm  
 Adenoid cutting forceps for children, 7 1/2 inch



420-397-210 Fig. 1  
 420-398-210 Fig. 2  
**JURASZ**  
 Nasenrachenzange, 210 mm  
 Adenoid cutting forceps, 8 1/4 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

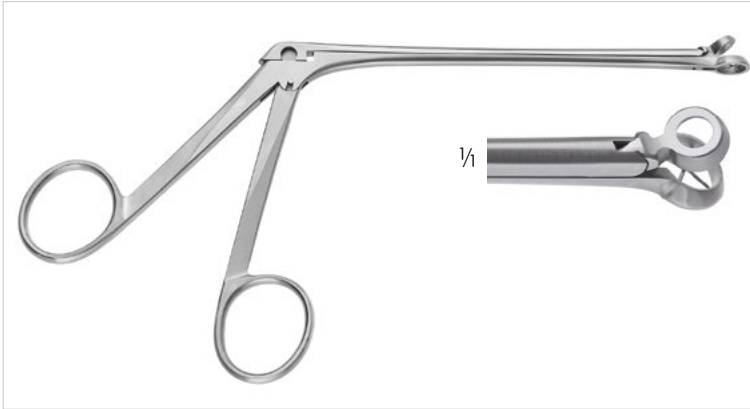


420-391-115

**KING**

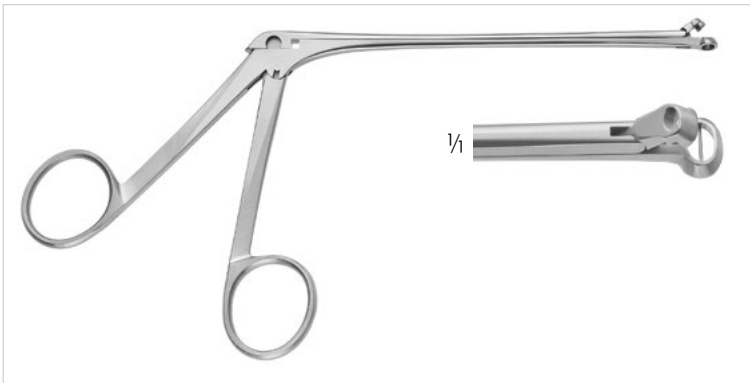
Adenoidzange, durchschneidend, Schaft abgebogen, dreieckig, Fig. 1, 7mm Schnitt, 130mm

Adenoid Forceps, through cutting, downcurved shaft, triangular bite, Fig. 1, 7 mm bite, 5 inch



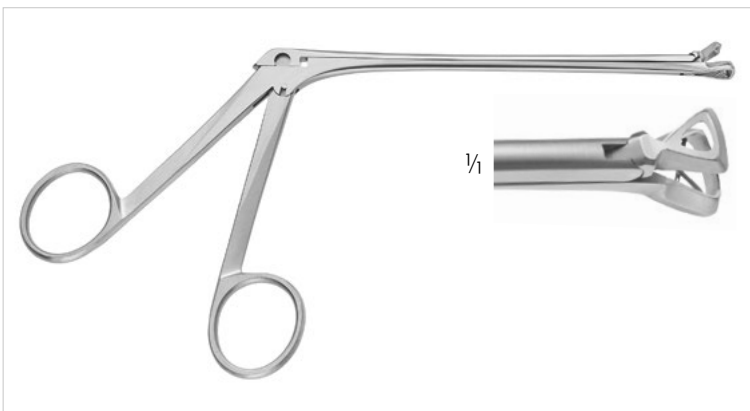
420-401-001 7 mm, Fig.1  
420-401-002 8 mm, Fig.2

**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

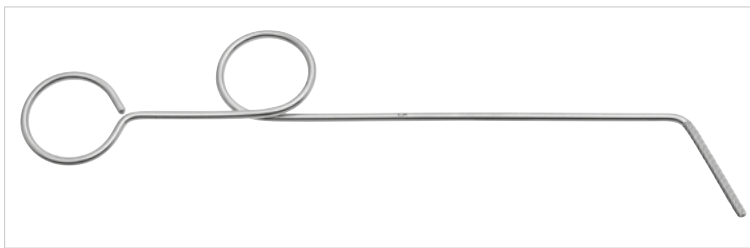


420-401-100 6 mm, Fig.0  
420-401-101 7 mm, Fig.1  
420-401-102 8 mm, Fig.2  
420-401-103 10 mm, Fig.3

**MELZER**  
Adenoidzange, durchschneidend, dreieckig, mit Gitter, 140 mm  
Adenoid Forceps, through cutting, triangular, with basket, 5 1/2 inch



420-131-190  
**YANKAUER**  
 Nasenrachenraum Spekulum, 190 mm  
 Nasopharyngeal speculum, 7 1/2 inch



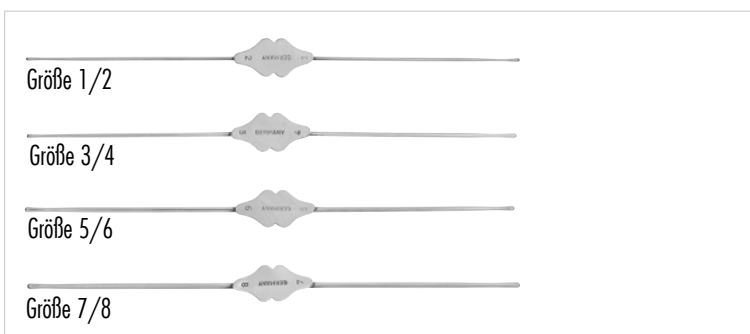
160-481-200 Ø 2.3 mm  
**HARTMANN**  
 Watteträger, spiralförmig gerieft, 220 mm  
 Postnasal applicator, spiral end, 8 1/2 inch



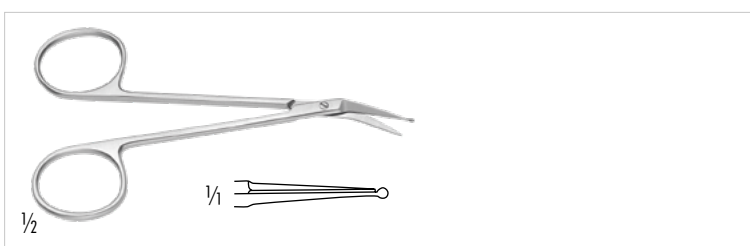
410-046-180 Ø 1,0 mm  
**RZ**  
 Speichelgangsonde, aus Silber, 180 mm  
 Salival duct probe, silver plated, 7 inch



410-045-180 Ø 1,0 mm  
**SEIFFERT**  
 Speichelgangsonde, aus Silber, 180 mm  
 Salival duct probe, silver plated, 7 inch



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



420-100-100  
**PERWITZSCHKY**  
 Speichelgangschere, 100 mm  
 Salival scissors, 4 1/2 inch



252-005-170 Ø 0.8mm  
Tonsillenanüle, gerade, mit LUER-Lock-Ansatz  
Tonsil needle, straight, with Luer-lock attachment



252-004-170 Ø 0.8mm  
Tonsillenanüle, gebogen, mit LUER-Lock-Ansatz  
Tonsil needle, strongly curved, with Luer-lock attachment



252-003-170 Ø 0.8mm  
Septumkanüle, abgewinkelt, mit LUER-Lock Ansatz  
Septum needle, angled, with Luer-lock attachment



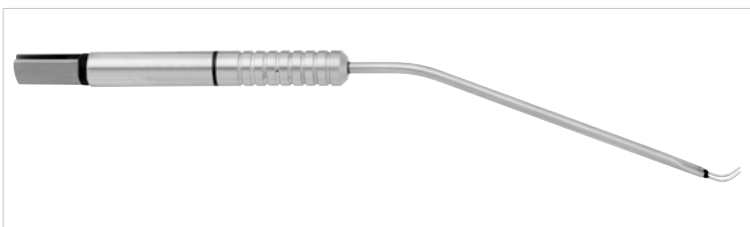
252-001-170 Ø 0.8mm  
Septumkanüle, bajonettförmig gebogen, mit LUER-Lock Ansatz  
Septum needle, bayonet-shaped, with Luer-lock attachment



165-855-020 3 ml  
165-855-050 5 ml  
165-855-100 10 ml  
Spritze, komplett  
Syringe, complete

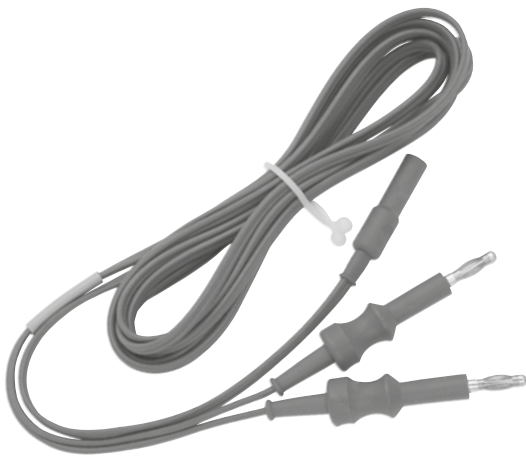




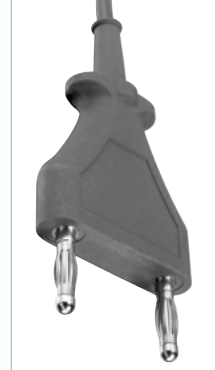
165-856-020 3 ml  
165-856-050 5 ml  
165-856-100 10 ml  
Glaszylinder, allein  
Glas cylinder, only




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

\* Innerhalb Europas nicht mit CE-Markierung erhältlich  
Not available with CE marking within Europe

# LARYNGOSCOPY

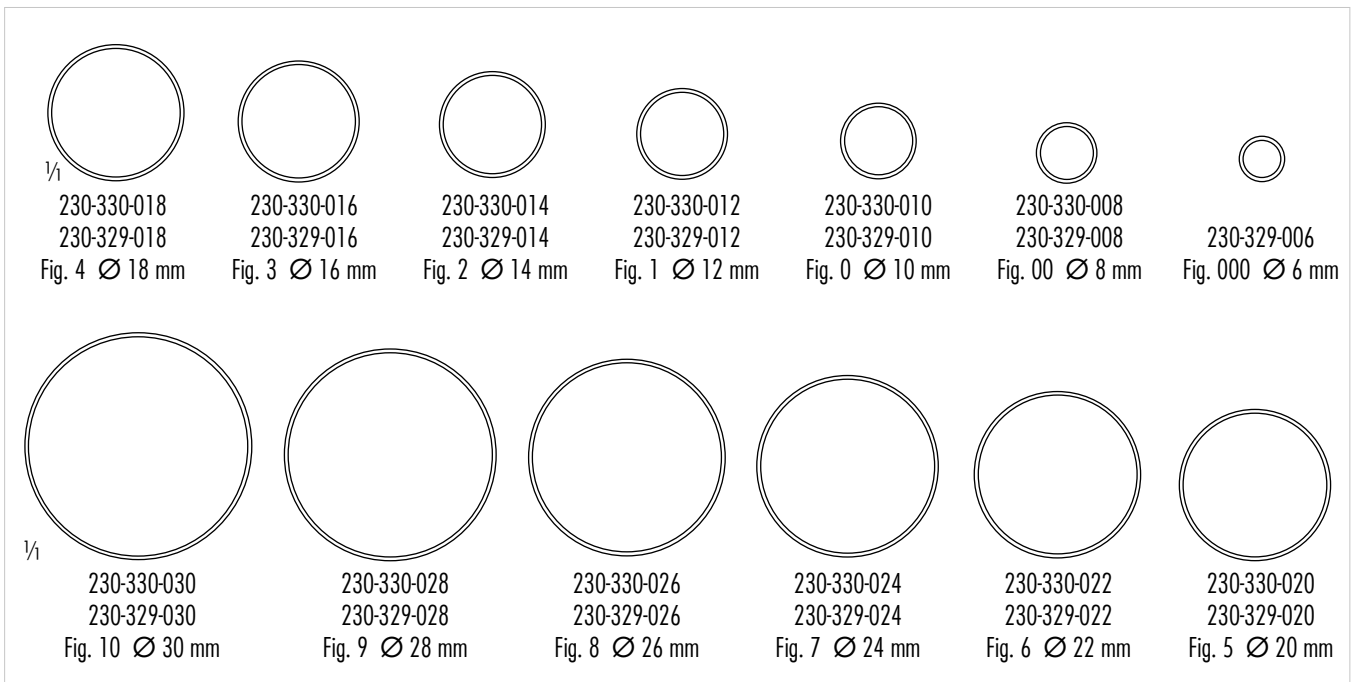




230-329-006 - 230-329-030  
Kehlkopfspiegel, 120 mm  
Laryngeal mirror, 4 1/2 inch



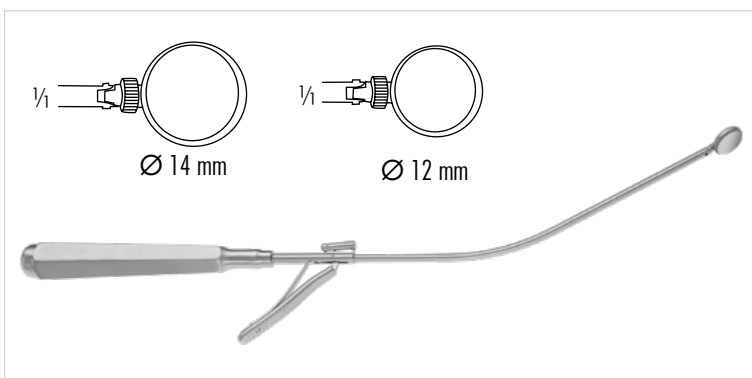
230-330-006 - 230-330-030  
Kehlkopfspiegel mit Sechskantgriff, 180 mm  
Laryngeal mirror with hexagonal handle, 7 inch



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



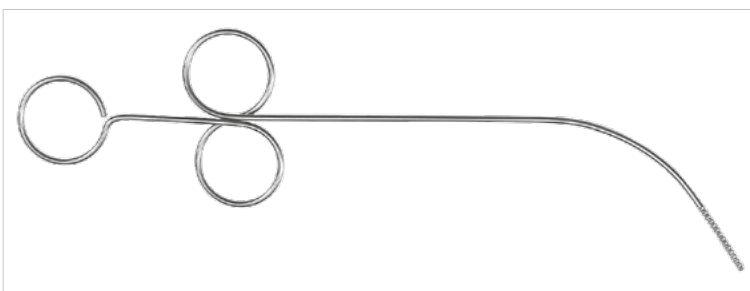
430-800-100  
Kehlkopf-Zerstäuber mit Glaszylinder, 12 ml  
Laryngeal-Atomizer with glass barrel, 12 ml



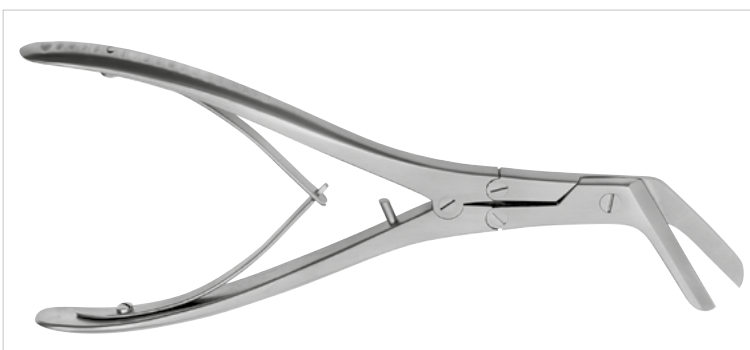
430-803-230  
**REICHERT**  
Kehldeckelhalter, 240 mm  
Epiglottis retractor, 9 1/2 inch



430-805-250  
**KILLIAN**  
Watteträger, 250 mm  
Laryngeal applicator, 10 inch

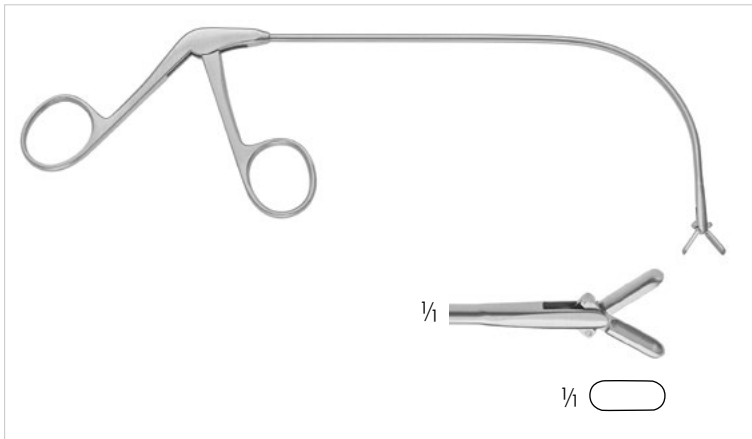


160-495-280  
**FEIN**  
Watteträger, 280 mm  
Laryngeal applicator, 11 inch



430-813-060  
**KILLIAN**  
Laryngo-Fissuren-Schere, 220 mm  
Laryngectomy scissors, double action, 8 inch

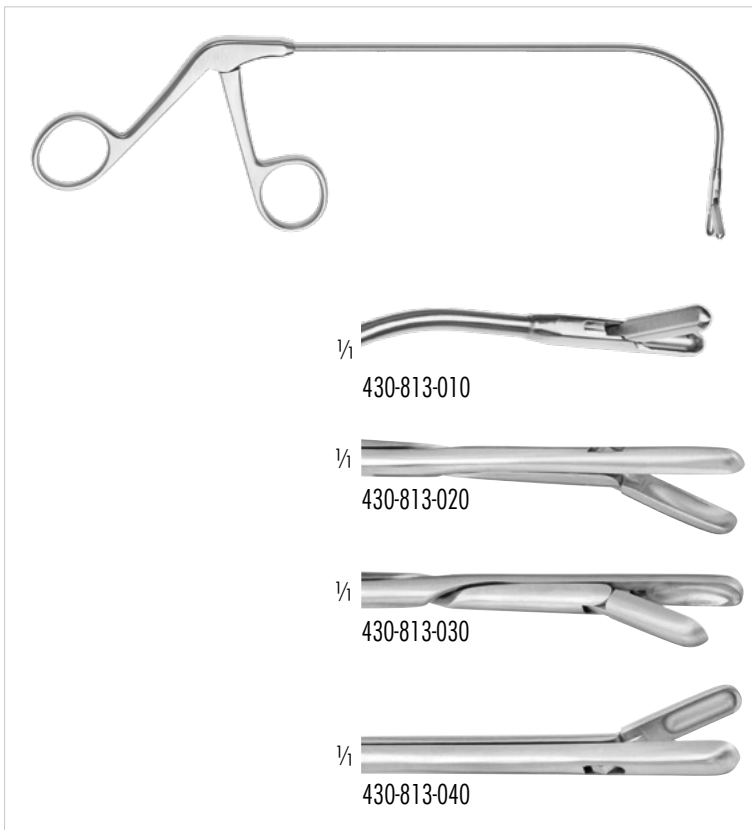




430-813-050

**FRAENKEL**

Kehlkopfzange, doppelseitig öffnend, länglich ovales Maul, 170 mm  
Laryngeal forceps, both sides opening, longitudinal oval jaws, 6  $\frac{3}{4}$  inch



430-813-010 nach rechts öffnend/opening to the right

430-813-020 nach links öffnend/opening to the left

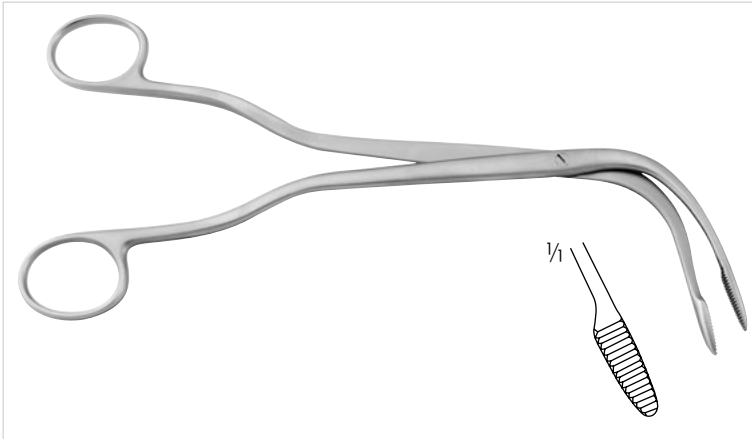
430-813-030 nach unten öffnend/opening downwards

430-813-040 nach oben öffnend/opening upwards

**JURASZ**

Kehlkopfpolypenzange, 220 mm

Laryngeal polypus forceps, 8  $\frac{1}{2}$  inch



430-815-220  
**FRAENKEL**  
 Kehlkopfpolypenzange, 220 mm  
 Laryngeal polypus forceps, 8 3/4 inch



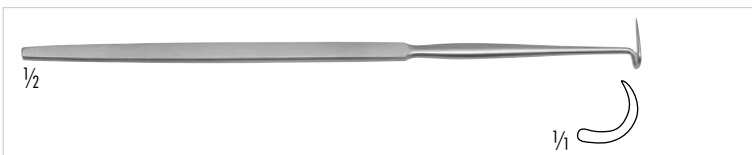
440-120-120  
**TROUSSEAU**  
 Trachealdilatator, 120 mm  
 Tracheal dilator, 4 3/4 inch



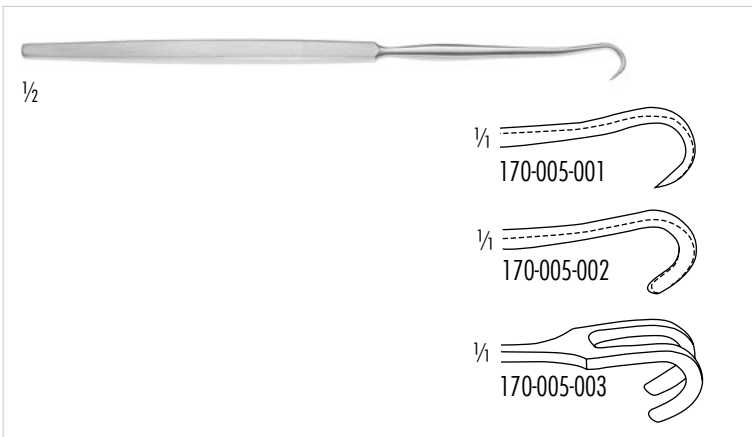
440-130-140  
**LABORDE**  
 Trachealdilatator, 140 mm  
 Tracheal dilator, 5 1/2 inch



170-002-165  
**BOSE**  
 Trachealhäkchen, rechts, für die linke Hand, 160 mm  
 Tracheal ligature hook, right, for the left hand, 6 1/4 inch



170-003-165  
**BOSE**  
 Trachealhäkchen, links, für die rechte Hand, 160 mm  
 Tracheal ligature hook, left, for the right hand, 6 1/4 inch



170-005-001  
 Trachealhaken, scharf, 160 mm  
 Tracheal retractor, sharp, 6 1/4 inch

170-005-002  
 Trachealhaken, stumpf, 160 mm  
 Tracheal hook, blunt, 6 1/4 inch

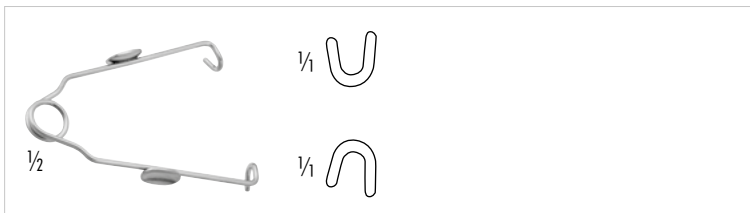
170-005-003  
 Trachealhaken, 2 Zähne, stumpf, 160 mm  
 Tracheal hook, 2 prongs, blunt, 6 1/4 inch



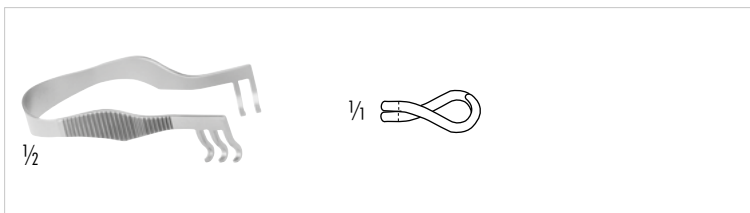
440-221-160  
**KOCHER**  
Kropf Sonde, mit Loch, 160 mm  
Goitre director, with hole, 6 inch



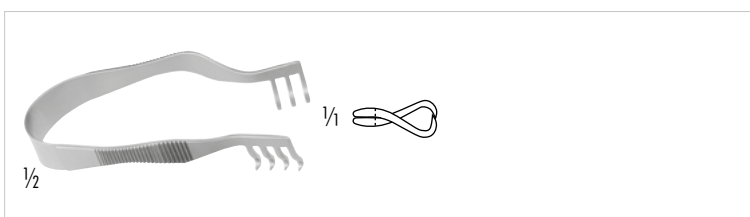
440-020-130 Ø 9,0 mm  
440-021-130 Ø 7,5 mm  
**UCKERMANN**  
Trachealtrokar, 130 mm  
Tracheal trocar, 5 inch



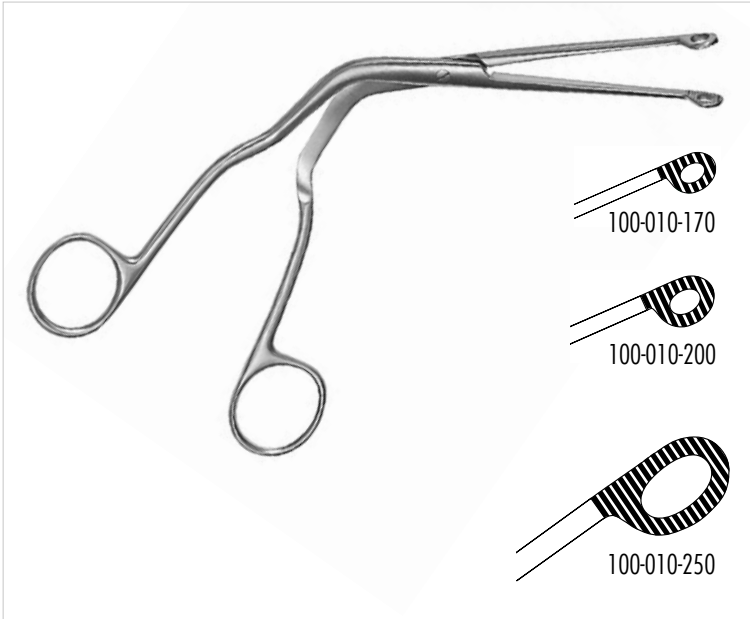
170-700-060  
**BOSE**  
Wundspreizer, 60 mm  
Tracheal retractor, 2 3/8 inch



170-701-050  
**FINSEN**  
Wundspreizer, 2 x 3 Zähne, stumpf, 50 mm  
Tracheal retractor, 2 x 3 teeth, blunt, 2 inch



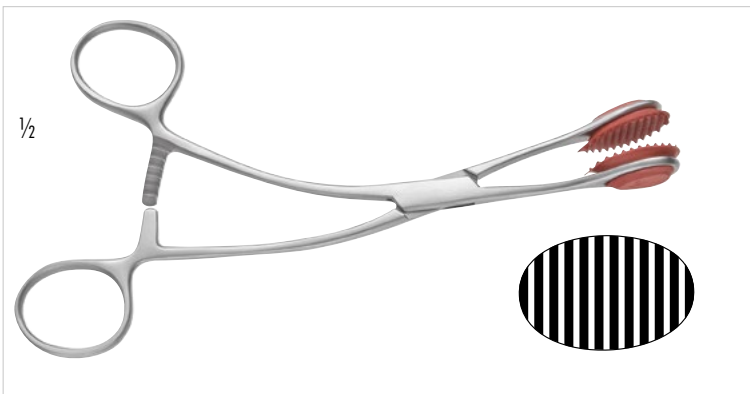
170-702-070 scharf/sharp  
170-703-070 stumpf/blunt  
**FINSEN**  
Wundspreizer, 3 x 4 Zähne, scharf, 70 mm  
Tracheal retractor, 3 x 4 teeth, sharp, 2 3/4 inch



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



- 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



- 100-212-000 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



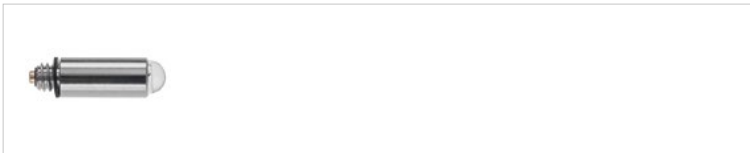
- 100-214-000 75 mm, Fig. 00
- 100-214-001 92 mm, Fig. 0
- 100-214-002 115 mm, Fig. 1
- 100-214-003 130 mm, Fig. 2
- 100-214-004 160 mm, Fig. 3
- 100-214-005 190 mm, Fig. 4

**FOREGGER**

Warmlicht Layngoskopspatel  
Warm-light laryngoscope blade



100-300-002 Für/for Fig. 00 bis 0  
 100-300-001 Für/for Fig. 1 bis 5  
 Ersatzlampchen für Spatel  
 Spare Lamps for blades



100-260-000  
 Halogen Ersatzlampe für Kaltlichtgriff  
 Halogen-Lamp for Cold-Light Handle



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



100-211-010  
 Kaltlichtgriff, groß, mit Xenon Lampe, ohne Batterien,  
 Trafo-Anschluss für aufladbare Batterien  
 Cold-Light handle, large, with Xenon bulb, without batteries  
 Trafo-connection for rechargeable battery

100-211-011  
 Kaltlichtgriff, Ø18mm, mit Xenon Lampe, ohne Batterien  
 Cold-Light handle, Ø18mm, with Xenon bulb, without batteries

100-211-012  
 Kaltlichtgriff, Ø30mm, mit Xenon Lampe, ohne Batterien  
 Cold-Light handle, Ø30mm, with Xenon bulb, without batteries

100-211-014  
 Kaltlichtgriff, Ø 30mm, 2,5V LED-Beleuchtung,  
 ohne Trafoanschluss  
 Cold-light handle, Ø 30mm, 2.5V LED illumination,  
 without trafo connection



- 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**

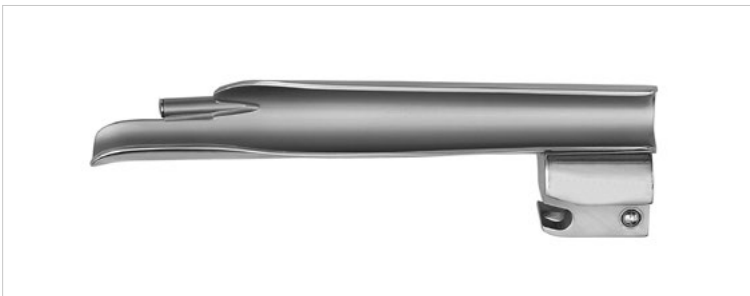
Fiberoptik Kaltlicht Laryngoskopspatel  
Fiberoptic cold-light laryngoscope blade



- 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 Laryngoskopspatel  
Fiberoptic cold-light laryngoscope blade



- 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



**A** Warmlicht 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

**B** 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**

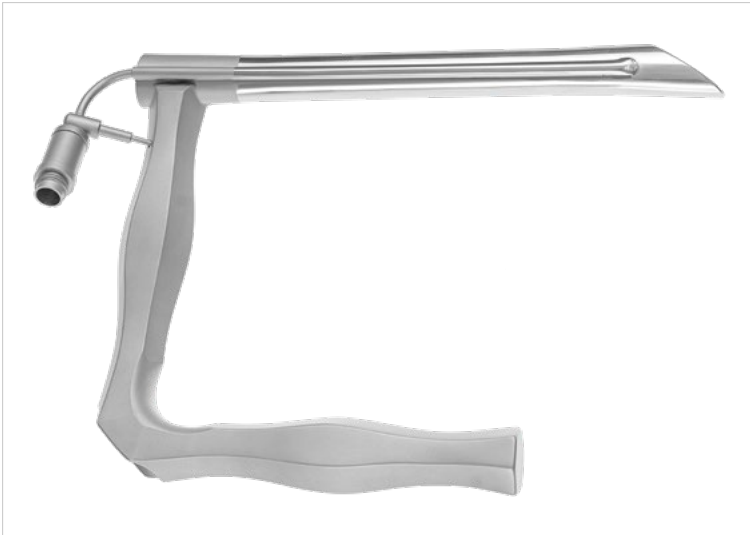
100-213-300	5 Spatel/blades, Fig. 0 - 4
100-213-200	4 Spatel/blades, Fig. 1 - 4
100-213-100	3 Spatel/blades, Fig. 2 - 4

**FOREGGER**

100-215-200	5 Spatel/blades, Fig. 0 - 4
100-215-100	4 Spatel/blades, Fig. 1 - 4







**HOLINGER**

Complete with light carrier

90mm, 3"	Newborn	small	100-510-000
120mm, 5"	Babies	small	100-510-001
170mm, 6 <sup>3</sup> / <sub>4</sub> "	Children	large	100-510-002
180mm, 7"	Adult	large	100-510-003

**HOLINGER**

Spare light carrier

Newborn	100-510-100
Babies	100-510-101
Children	100-510-102
Adult	100-510-103



**JACKSON**

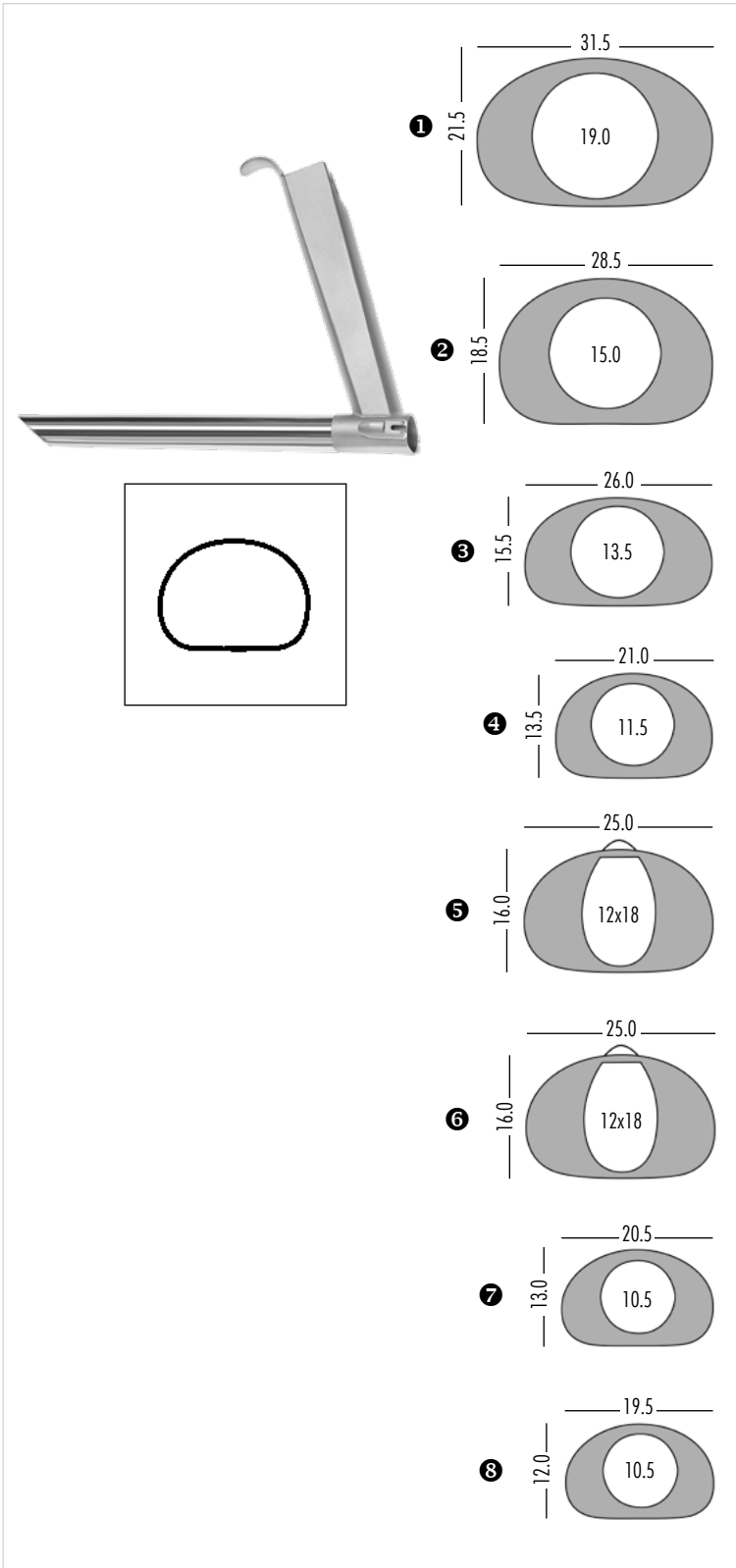
Complete with light carrier

90mm, 3"	Newborn	small	100-505-000
125mm, 5"	Babies	small	100-505-001
170mm, 6 <sup>3</sup> / <sub>4</sub> "	Children	large	100-505-002
180mm, 7"	Adult	large	100-505-003

**JACKSON**

Spare light carrier

Newborn	100-505-100
Babies	100-505-101
Children	100-505-102
Adult	100-505-103



- 1** Adults, extra large  


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 170mm, 6<sup>3</sup>/<sub>4</sub>" 100-500-008
- 2** Adults, extra large  


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 170mm, 6<sup>3</sup>/<sub>4</sub>" 100-500-005
- 3** Adults, medium  


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 170mm, 6<sup>3</sup>/<sub>4</sub>" 100-500-004
- 4** Adults, small  


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 180mm, 7" 100-500-003
- 5** Adults, medium, anterior  


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 180mm, 7" 100-500-006
- 6** Adults, medium, long neck  


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 220mm, 9<sup>3</sup>/<sub>4</sub>" 100-500-007
- 7** Children, small  

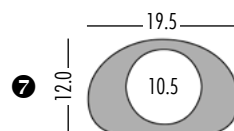
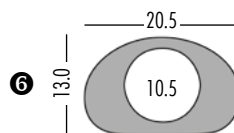
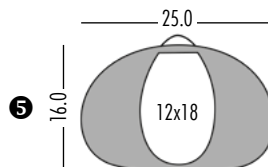
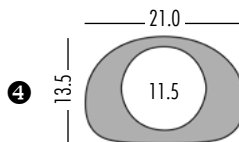
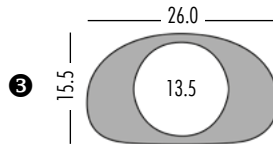
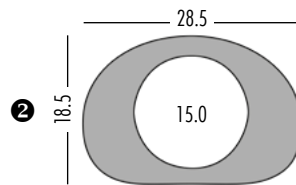
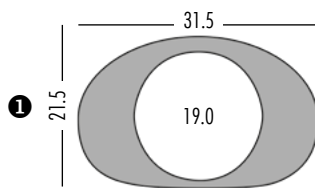
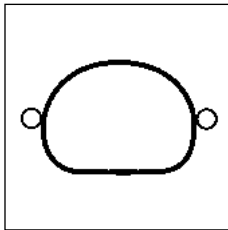

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 150mm, 6" 100-500-002
- 8** Infant, small  


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 130mm, 5" 100-500-001

**KLEINSASSER**  
 Operationslaryngoskop  
 Operation Laryngoscope



➊ Adults, extra large

170mm, 6<sup>3</sup>/<sub>4</sub>" 100-500-537

➋ Adults, extra large

170mm, 6<sup>3</sup>/<sub>4</sub>" 100-500-536

➌ Adults, medium

170mm, 6<sup>3</sup>/<sub>4</sub>" 100-500-535

➍ Adults, small

180mm, 7" 100-500-534

➎ Adults, medium, anterior

180mm, 7" 100-500-533

➏ Children, small

150mm, 6" 100-500-532

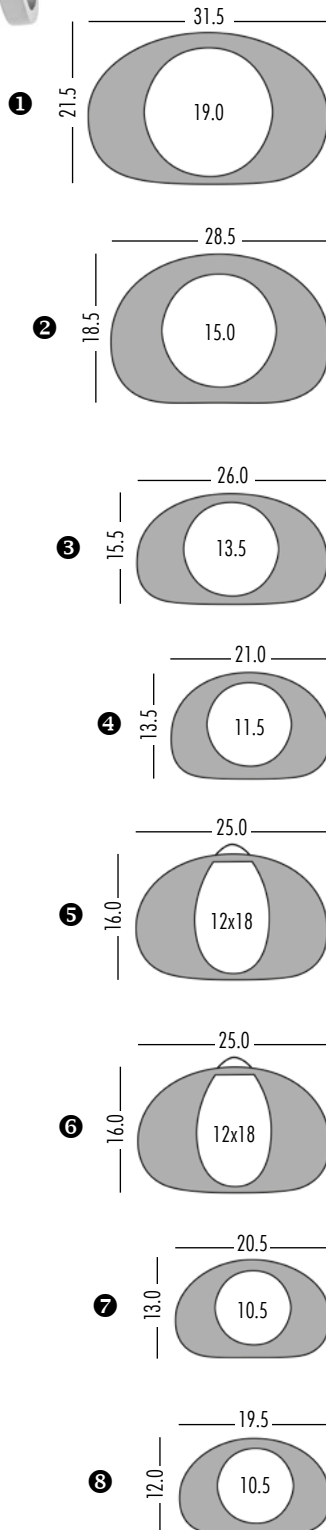
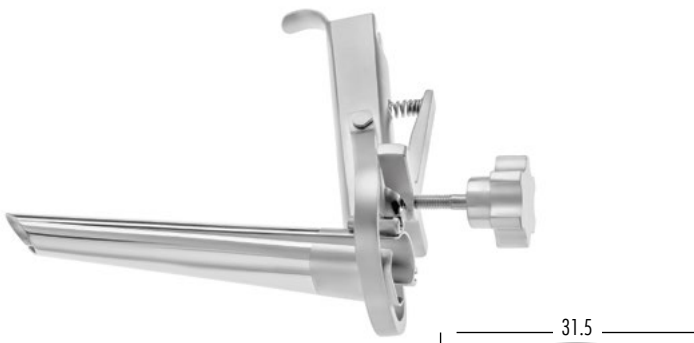
➐ Infant, small

130mm, 5" 100-500-531

**KLEINSASSER-LASER**

Operationslaryngoskop

Operation Laryngoscope



**1** Adults, extra large

170mm, 6<sup>3</sup>/<sub>4</sub>" 100-500-208

**2** Adults, extra large

170mm, 6<sup>3</sup>/<sub>4</sub>" 100-500-205

**2** Adults, medium

170mm, 6<sup>3</sup>/<sub>4</sub>" 100-500-204

**4** Adults, small

180mm, 7" 100-500-203

**5** Adults, medium, anterior

180mm, 7" 100-500-206

**6** Adults, medium, long neck

220mm, 9<sup>3</sup>/<sub>4</sub>" 100-500-207

**7** Children, small

150mm, 6" 100-500-202

**8** Infant, small

130mm, 5" 100-500-201

Operationslaryngoskop, spreizbar  
Operation Laryngoscope, spreadable



① Adults, extra large

180mm, 7" 100-500-583

② Adolescent/adults

180mm, 7" 100-500-582

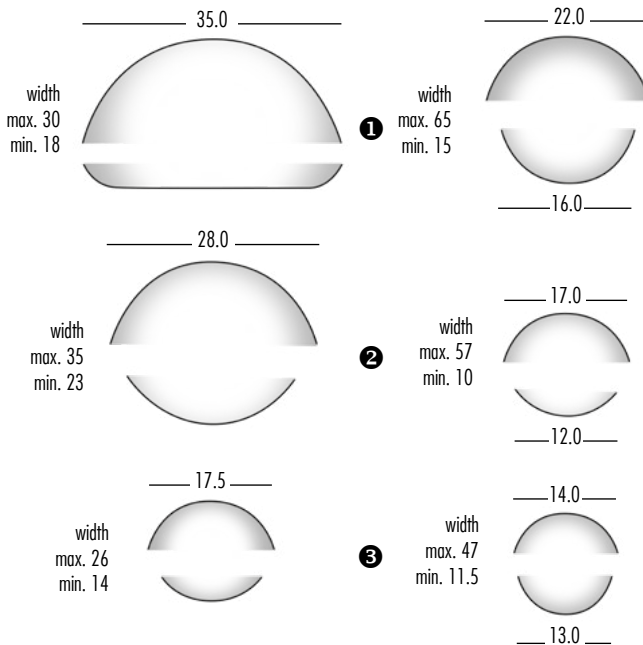
③ Children, small

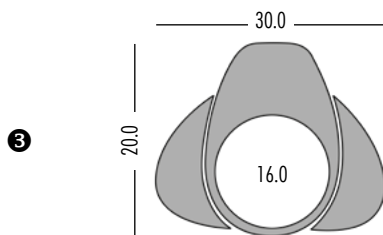
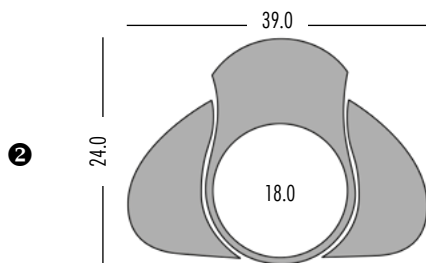
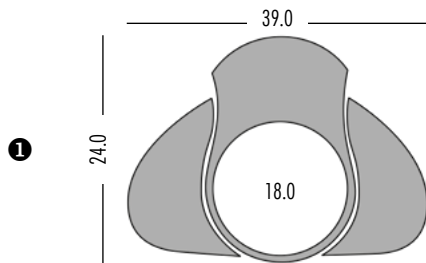
135mm, 5 1/3" 100-500-581

Operationslaryngoskop, spreizbar  
Operation Laryngoscope, spreadable

PROXIMAL

DISTAL





① Adults, large

150mm, 6" 100-500-555

② Adults, large

170mm, 6<sup>3</sup>/<sub>4</sub>" 100-500-554

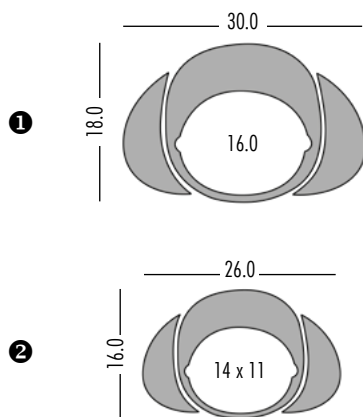
③ Children, small

110mm, 4<sup>1</sup>/<sub>4</sub>" 100-500-553

**KLEINSASSER, L.**

Operationslaryngoskop

Operation Laryngoscope



① Children

115mm, 4<sup>1</sup>/<sub>2</sub>" 100-500-552

② Infant

95mm, 3<sup>3</sup>/<sub>4</sub>" 100-500-551

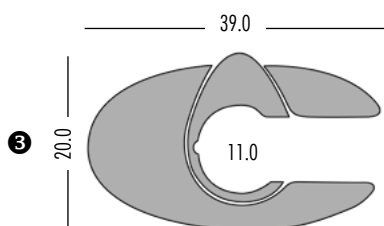
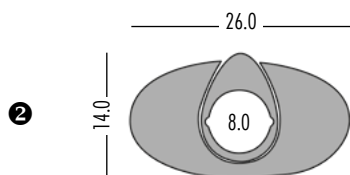
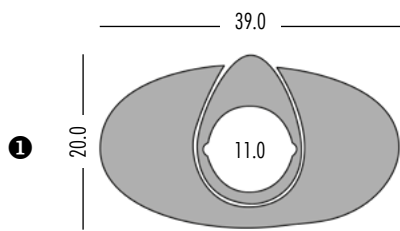
**KLEINSASSER, B-L.**

Operationslaryngoskop  
Operation Laryngoscope

KLEINSASSER, B.



KLEINSASSER, B.-P.



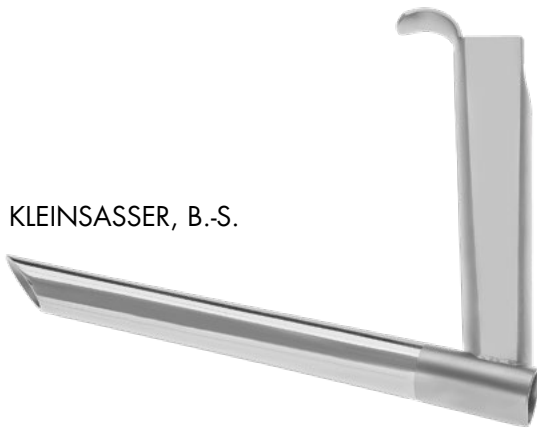
❶ Kleinsasser, B., children, medium  
150mm, 6" 100-500-564

❷ Kleinsasser, B., children, small  
115mm, 4 1/2" 100-500-563

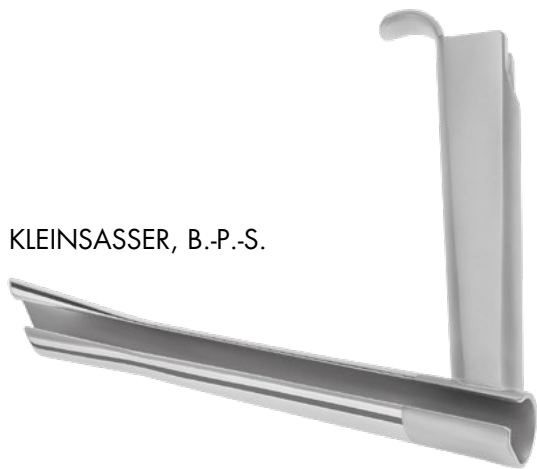
❸ Kleinsasser, B.-P., children, medium  
150mm, 6" 100-500-562

**KLEINSASSER, B.**  
**KLEINSASSER, B.-P.**  
Operationslaryngoskop  
Operation Laryngoscope

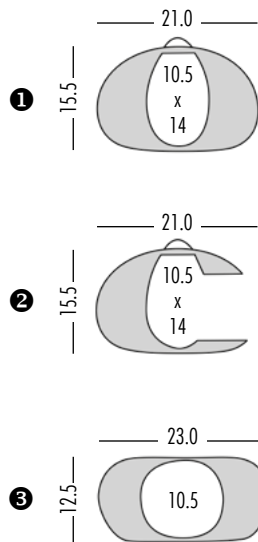




KLEINSASSER, B.-S.



KLEINSASSER, B.-P.-S.



① Kleinsasser, B.-S., adult, slender  
170mm, 6<sup>3</sup>/<sub>4</sub>" 100-500-573

② Kleinsasser, B.-P.-S., adult, slender  
170mm, 6<sup>3</sup>/<sub>4</sub>" 100-500-572

③ Kleinsasser, B.-S., adult, extra-slender  
170mm, 6<sup>3</sup>/<sub>4</sub>" 100-500-571

**KLEINSASSER, B.-S.**  
**KLEINSASSER, B.-P.-S.**  
Operationslaryngoskop  
Operation Laryngoscope



75mm/3" working length for 100-500-001/100-500-002 100-500-201/100-500-202	100-500-019
140mm/5 1/2" working length for 100-500-003 - 100-500-008 100-500-203 - 100-500-208	100-500-020

Lichtträger  
Fiber Optic Light Carrier



120mm/4 3/4" working length for 100-500-531	100-500-538
140mm/5 1/2" working length for 100-500-532	100-500-539
160mm/6 1/4" working length for 100-500-533 - 100-500-537	100-500-540

Lichtträger  
Fiber Optic Light Carrier



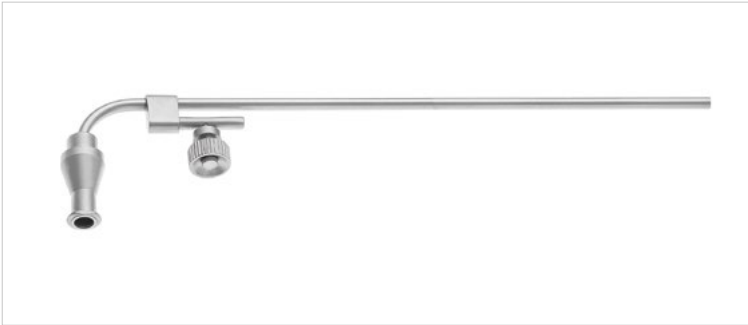
120mm/4 3/4" working length for 100-500-583 / 100-500-582	100-500-584
100mm/4" working length for 100-500-581	100-500-585

Lichtträger  
Fiber Optic Light Carrier



65mm/2 1/2" working length for 100-500-563	100-500-556
75mm/3" working length for 100-500-553 - 100-500-555	100-500-557
120mm/4 3/4" working length for 100-500-562 / 100-500-564	100-500-538

Lichtträger  
Fiber Optic Light Carrier



90mm/3 <sup>1</sup> / <sub>2</sub> " working length for 100-500-001/100-500-002	100-500-080
125mm/5" working length for 100-500-003/100-500-008	100-500-075

Saugrohr, Ø 3mm  
Suction Tube Ø 3mm



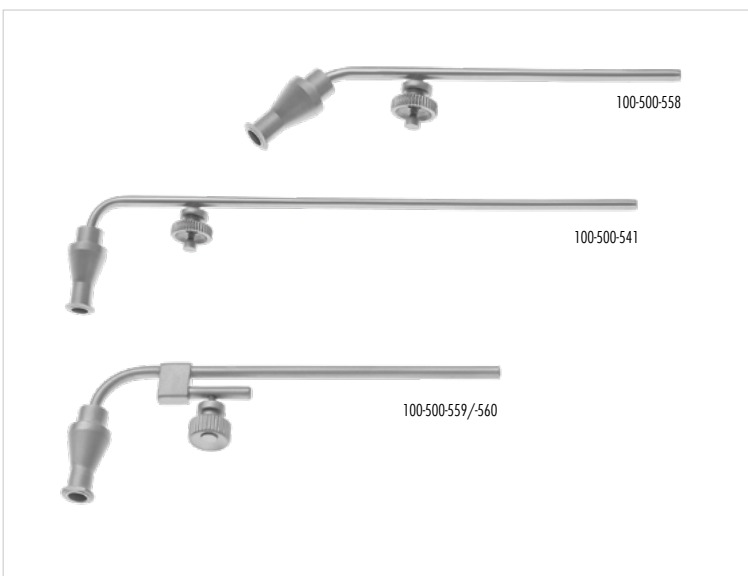
120mm/4 <sup>3</sup> / <sub>4</sub> " working length for 100-500-531	100-500-541
140mm/5 <sup>1</sup> / <sub>2</sub> " working length for 100-500-532	100-500-542
160mm/6 <sup>1</sup> / <sub>4</sub> " working length for 100-500-533 - 100-500-537	100-500-543

Saugrohr  
Suction Tube



100mm/4" working length for 100-500-583 / 100-500-582	100-500-586
120mm/4 <sup>3</sup> / <sub>4</sub> " working length for 100-500-581	100-500-587

Saugrohr  
Suction Tube



65mm/2 <sup>1</sup> / <sub>2</sub> " working length for 100-500-552 / 100-500-551	100-500-558
70mm/2 <sup>3</sup> / <sub>4</sub> " working length for 100-500-553	100-500-559
85mm/3 <sup>1</sup> / <sub>4</sub> " working length for 100-500-555 / 100-500-554	100-500-560
120mm/4 <sup>3</sup> / <sub>4</sub> " working length for 100-500-562 / 100-500-564	100-500-541

Saugrohr  
Suction Tube



85mm/3 <sup>1</sup> / <sub>4</sub> " working length for 100-500-001 - 100-500-008 100-500-201 - 100-500-208	100-500-050
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Injektionskanüle  
Injection Cannula



70mm/2 <sup>3</sup> / <sub>4</sub> " working length 100-500-583 / 100-500-582	100-500-588
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Injektionskanüle  
Injection Cannula



85mm/3 <sup>1</sup> / <sub>4</sub> " working length for 100-500-553 - 100-500-555	100-500-561
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Injektionskanüle  
Injection Cannula



135mm/5 <sup>1</sup> / <sub>4</sub> " working length Ø 2mm	100-500-574
135mm/5 <sup>1</sup> / <sub>4</sub> " working length Ø 3mm	100-500-575

Injektionskanüle, biegsam  
Injection Cannula, malleable



	100-500-576
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Licht Clip  
Light Clip



Chest Support, complete, for Operating Laryngoscopes

240mm, 9 <sup>1</sup> / <sub>2</sub> "	Ø95mm	Children	100-500-101
340mm, 13 <sup>1</sup> / <sub>2</sub> "	Ø95mm	Adult	100-500-100



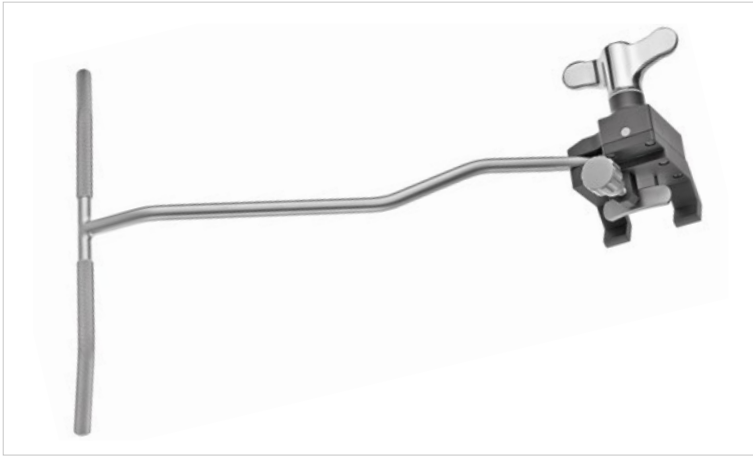
Support Rod, with ring

240mm, 9 <sup>1</sup> / <sub>2</sub> "	Ø95mm	Children	100-500-111
340mm, 13 <sup>1</sup> / <sub>2</sub> "	Ø95mm	Adult	100-500-113



Joint for Chest Support

100-500-110



**LEWY**

Chest Support, for Operating Laryngoscopes

340mm, 13<sup>1</sup>/<sub>2</sub>"

Adult

100-500-102



Supporting Table for Chest Support, complete set

100-500-150



Laryngoscope Handle, detachable, for LEWY Chest Support and Operating Laryngoscopes

100-512-000



Chest Support, complete, for Operating Laryngoscopes

340mm, 13<sup>1</sup>/<sub>2</sub>" Ø90mm

100-500-200



Support rod only, for Operating Laryngoscopes

340mm, 13<sup>1</sup>/<sub>2</sub>" Ø90mm

100-500-210



Chest Support, complete with 2 lateral screws,  
for Operating Laryngoscopes

340mm, 13<sup>1</sup>/<sub>2</sub>" ∅120mm

100-500-400



Support rod

340mm, 13<sup>1</sup>/<sub>2</sub>" ∅120mm

100-500-410



Joint for Breast Support

100-500-420





## 100-500-310

Rhino-Pharyngoskop  
mit Quarzglasbildbündelsystem,  
ca 2-3 µm Pixelgröße, 18000 Pixel

Parameter/Technische Daten:

- hohe Auflösung
- hervorragende Bedienungseigenschaften
- größere Helligkeit

Arbeitslänge	max. 300 mm
∅ im Bereich der Arbeitslänge	3,8 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 µm pixel size, 18000 pixels

Parameter/Technical Data:

- high resolution
- excellent pushing characteristics
- higher illumination

working length	max. 300 mm
outer ∅	3.7 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 µm-Fasern

Parameter/Technische Daten:

- kontrastreiches Bild
- hohe Flexibilität
- einfache Fokussierung

Arbeitslänge	max. 300 mm
∅ im Bereich der Arbeitslänge	3,4 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 µm-fibres

Parameter/Technical Data:

- high-contrast image
- high flexibility
- easy to focus

working length	max. 300 mm
outer ∅	3.4 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  
14000 pixel

Einführschlauch:	3,8 mm
Arbeitslänge:	300 mm
Abwinklung:	auf/ab 160°
Blickfeld:	85°
Tiefenschärfe:	1-50 mm

**Zubehör:**

ETO-Kappe  
Dichtigkeitstester  
Adapter Storz/Olympus  
Adapter Wolf

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:

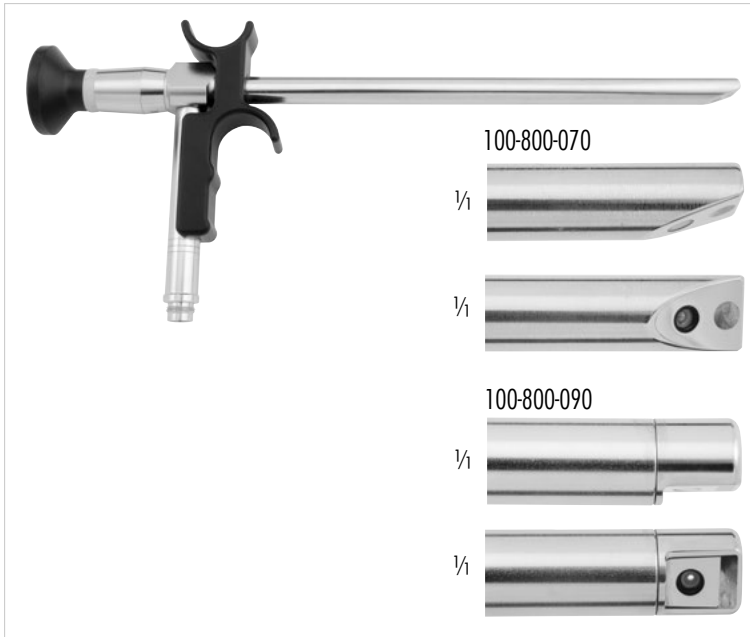
- Solution for cleaning or disinfection
- STERRAD®
- STERIS®
- ETO
- Automatic preparation (RDG-E)

Rhino-Pharyngoscope **with working channel** and ETO valve  
14000 pixel

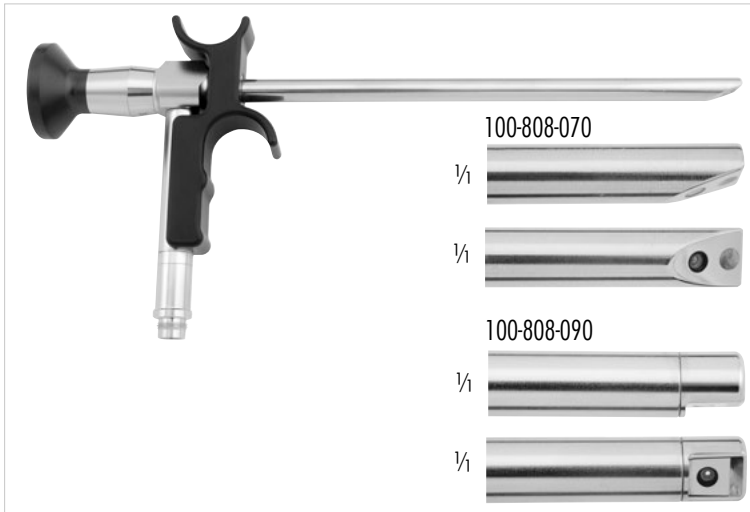
Insertion tube:	3.8 mm
Working length:	11 7/8"
Max bending:	up/down 160°
Field of view:	85°
Depth of field:	1-50 mm

**Accessories:**

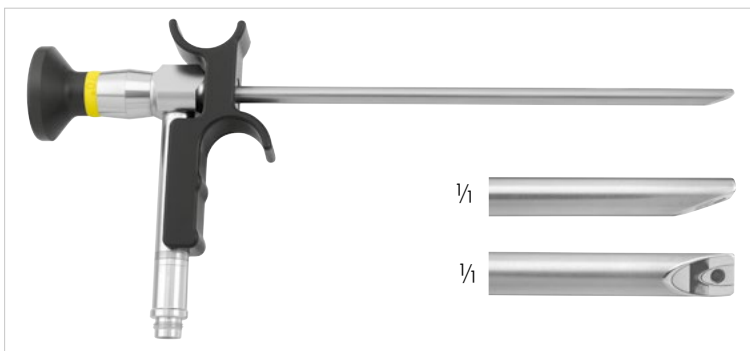
ETO valve  
Leakage tester  
Adaptor Storz/Olympus  
Adaptor Wolf



100-800-070 70°  
 100-800-090 90°  
 Laryngo-Pharyngoskop, autoklavierbar, Ø 10 mm,  
 190 mm Arbeitslänge, 270mm Gesamtlänge  
 Laryngo-Pharyngoscope, autoclavable, Ø 10 mm,  
 7 1/2 inch working length, 10 2/3 inch overall length



100-808-070 70°  
 100-808-090 90°  
 Laryngo-Pharyngoskop, autoklavierbar, Ø 8 mm, 190 mm  
 Laryngo-Pharyngoscope, autoclavable, Ø 8 mm, 7 1/2 inch



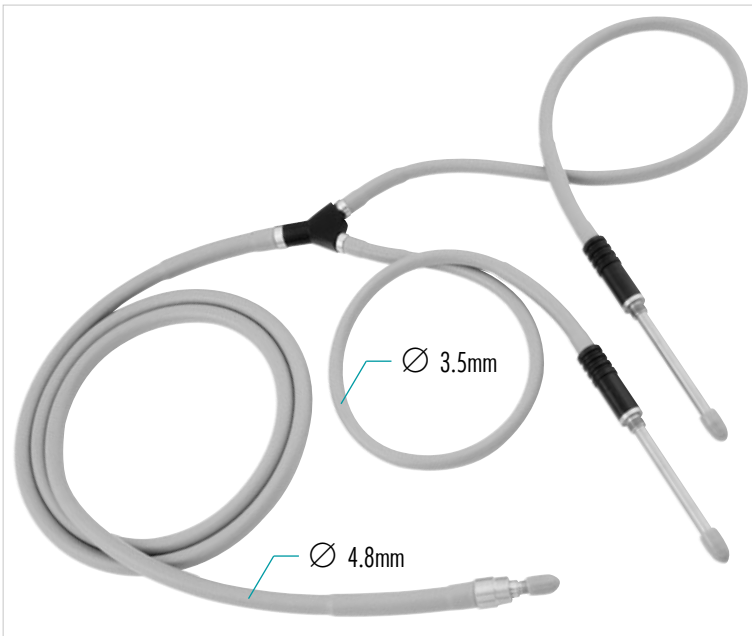
100-805-070 Ø 5 mm  
 100-806-070 Ø 6 mm  
 Zoom-Laryngo-Pharyngoskop, autoklavierbar, 70°, 190 mm  
 Zoom-Laryngo-Pharyngoscope, autoclavable, 70°, 7 1/2 inch



- 250-025-230 Ø 2.5 mm, 2300 mm
- 250-025-300 Ø 2.5 mm, 3000 mm
- 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**

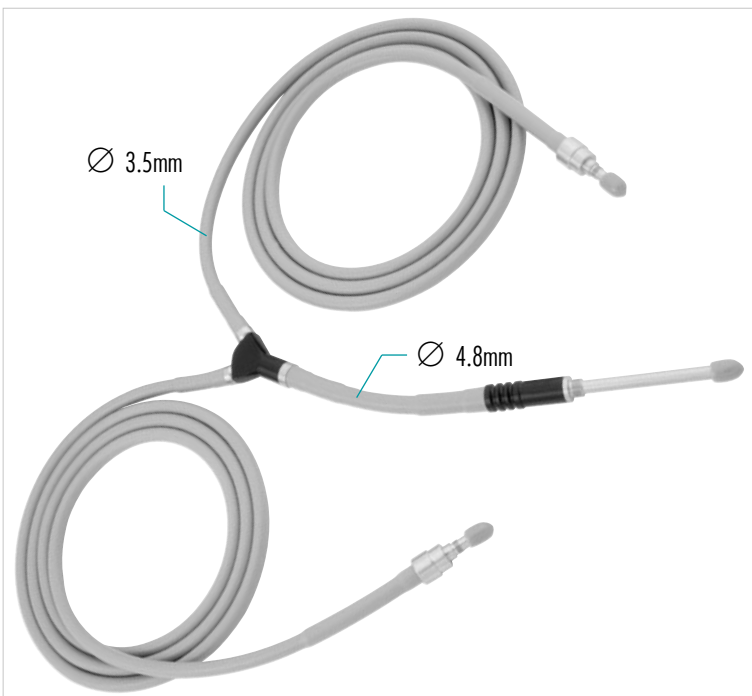
Hochentwickeltes Xenon Lichtleiterkabel mit eingebautem Glasstab für hohe Temperaturwiderstandsfähigkeit  
Advanced High Temperature Xenon Light cable with built-in glass rod



- 250-053-180 Ø 3.5 mm, 1800 mm
- 250-053-230 Ø 3.5 mm, 2300 mm

**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

**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)



Adaptor pieces to use with **endoscope**



250-042-000  
RZ/Storz/Olympus



250-040-000  
Wolf



250-041-000  
ACMI/British Standard

XENON/LED Light Guide Cables  
with melt and bending protection

250-025-230 Ø 2.5 mm, 2300 mm

250-025-300 Ø 2.5 mm, 3000 mm

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

Adaptor pieces to use with **light source**



250-039-000  
RZ/Storz



250-038-000  
ACMI/CUDA



250-048-000  
Luxtac



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

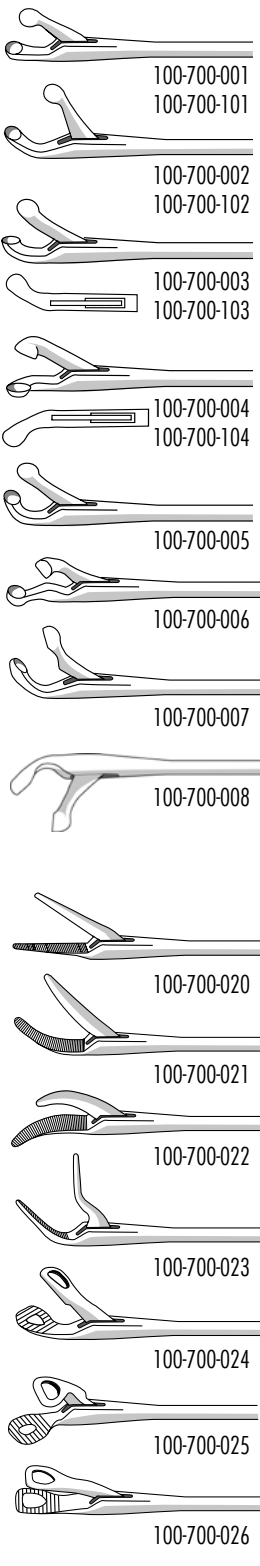


**COMPATIBILITY NOTE:**

A fiber optic cable with a large diameter should not be connected to a smaller diameter scope.  
For example: Ø 4.8mm fiber optic cables connected to a Ø 2.9mm may risk high temperature at the light entry of the endoscope and may risk patient safety.



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**

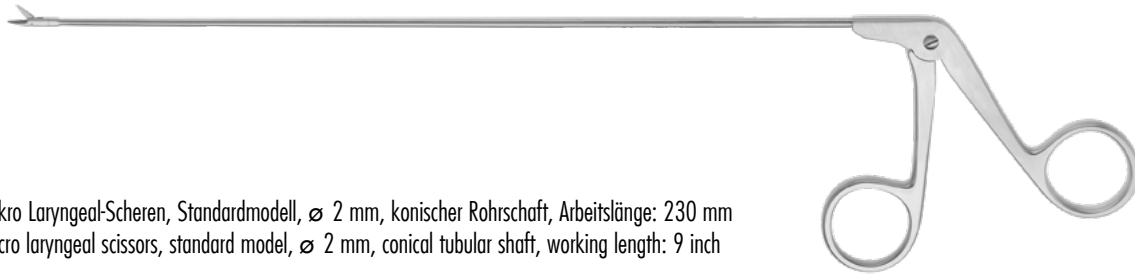
- 100-700-001 gerade/straight
- 100-700-002 aufgebogen/curved upwards
- 100-700-003 rechts gebogen/curved right
- 100-700-004 links gebogen/curved left
- 100-700-005 rechts aufgebogen/curved upwards right
- 100-700-006 links aufgebogen/curved upwards left
- 100-700-007 horizontal, nach rechts öffnend/horizontal 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



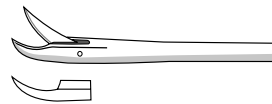
Mikro Laryngeal-Scheren, Standardmodell,  $\varnothing$  2 mm, konischer Rohrschaft, Arbeitslänge: 230 mm  
Micro laryngeal scissors, standard model,  $\varnothing$  2 mm, conical tubular shaft, working length: 9 inch



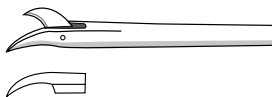
100-700-050 gerade/straight



100-700-051 45° aufgebogen/upcurved



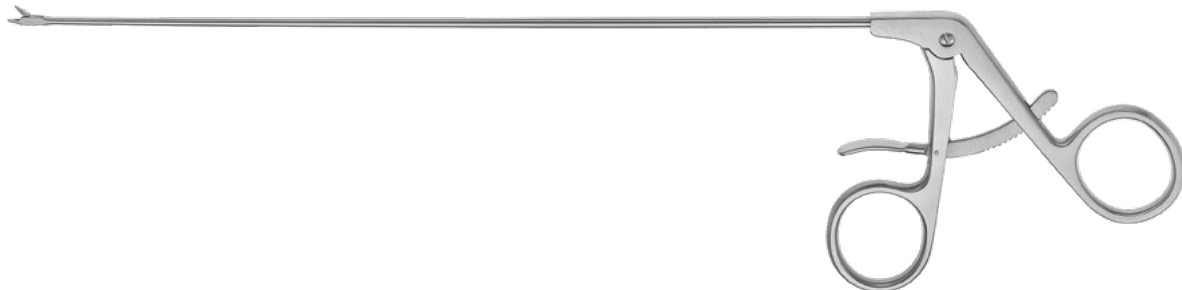
100-700-052 rechts gebogen/curved right



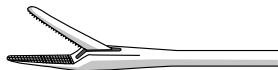
100-700-053 links gebogen/curved left



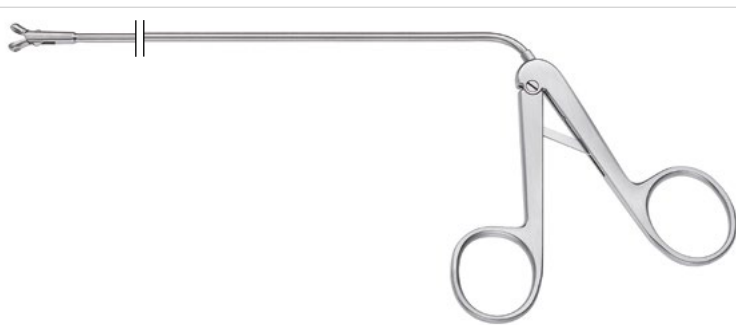
100-700-054 gerade, horizontal schneidend/straight, horizontal cutting



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 diamantiertem Maulteil, Nutzlänge 230 mm  
Needle holder with ratchet, conical tubular shaft, with diamond dusted jaw, working length 9 inch



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

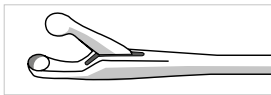
Laryngoskopie-Biopsiezange, schweres Modell, 3x4mm Löffelmaul, gerade, einfach beweglich, 230mm  
Laryngoscopic-Biopsyforceps heavy, with 3x4mm cupped jaws, single action, 9 inch



### Löffelzängchen/Cupped Forceps



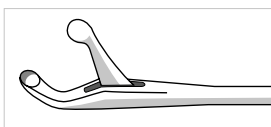
100-712-001 2 mm, gerade/straight



100-712-002 3 mm, gerade/straight

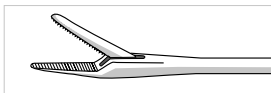


100-712-003 2 mm, aufgebogen/curved upwards



100-712-004 3 mm, aufgebogen/curved upwards

### Alligator Zange, gerieft/Alligator Forceps, serrated

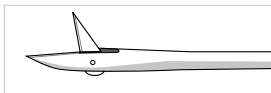


100-712-005 gerade/straight

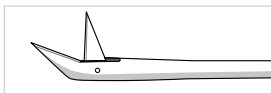


100-712-013 aufgebogen/curved upwards

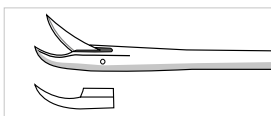
### Schere/Scissors



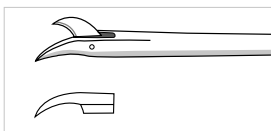
100-712-006 gerade/straight



100-712-007 45° abgewinkelt/45° angled

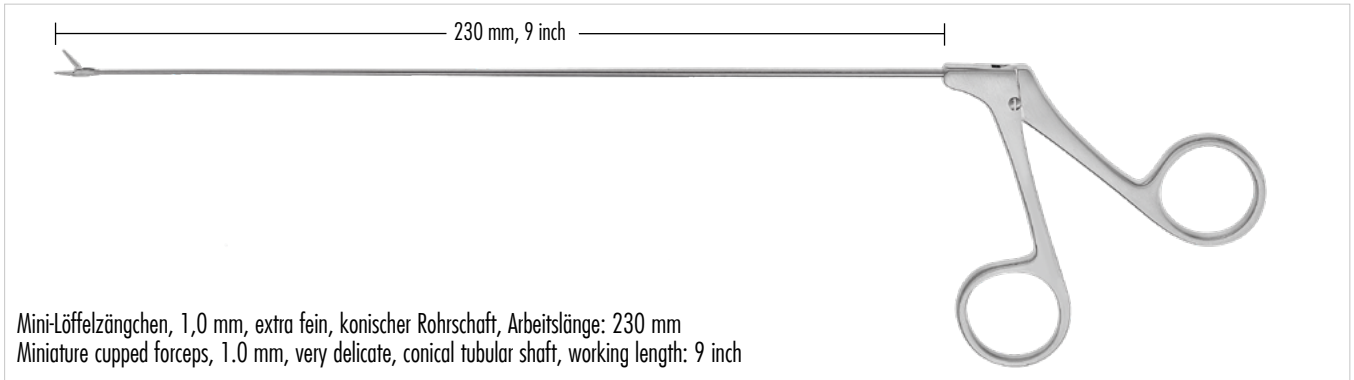


100-712-008 rechts gebogen/curved right

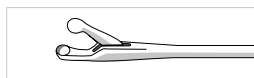


100-712-009 links gebogen/curved left





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



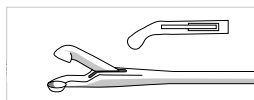
100-710-001 gerade/straight



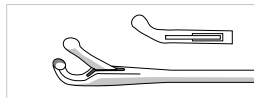
100-710-002 aufgebogen/curved upwards



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

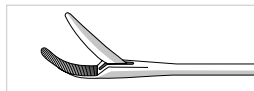


100-710-006 nach links aufgebogen/curved upwards left

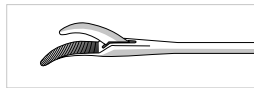
Mini-Faßzängchen, gerieft, extra fein, konischer Rohrschaft, Arbeitslänge: 230 mm  
 Miniature forceps, serrated, very delicate, conical tubular shaft, working length: 9 inch



100-710-020 gerade/straight



100-710-021 nach rechts gebogen/curved right

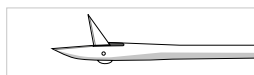


100-710-022 nach links gebogen/curved left

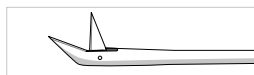


100-710-023 aufgebogen/curved upwards

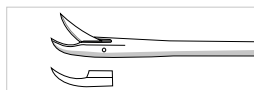
Mini-Scherchen, extra fein, konischer Rohrschaft, Nutzlänge 230 mm  
 Miniature Scissors, very delicate, conical tubular shaft, working length 9 inch



100-710-050 gerade/straight



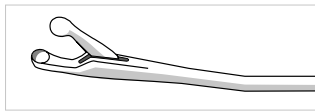
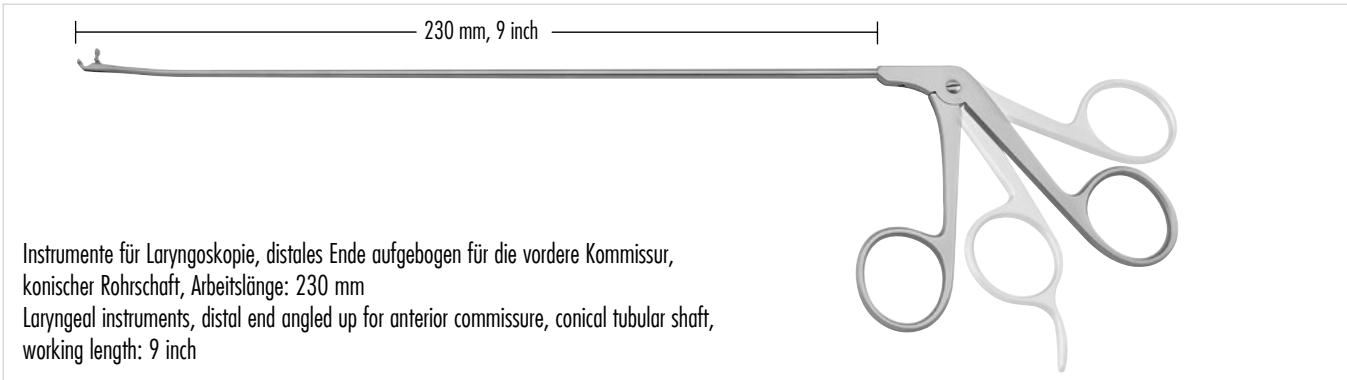
100-710-051 45° aufgebogen/angled 45°



100-710-052 nach rechts gebogen/curved right

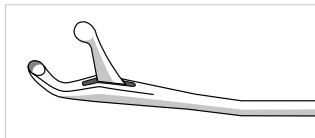


100-710-053 nach links gebogen/curved left

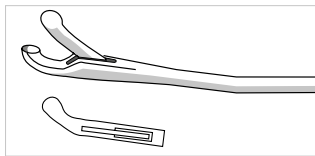


Löffelzängchen/cupped forceps, Ø 2.0 mm

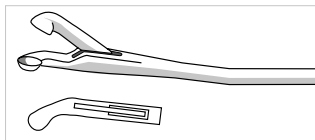
100-715-001 gerade/straight  
100-725-001 gerade, Daumenkontrolle/straight, thumb control



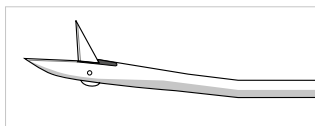
100-715-002 aufgebogen/curved upwards  
100-725-002 aufgebogen, Daumenkontrolle/curved upwards, thumb control



100-715-003 nach rechts gebogen/curved right  
100-725-003 nach rechts gebogen, Daumenkontrolle/curved right, thumb control

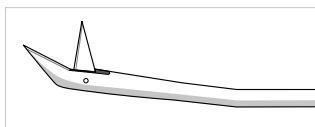


100-715-004 nach links gebogen/curved left  
100-725-004 nach links gebogen, Daumenkontrolle/curved left, thumb control

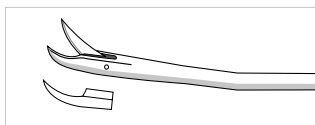


Schere/Scissors

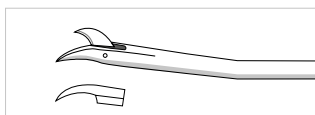
100-715-005 gerade/straight  
100-725-005 gerade, Daumenkontrolle/straight, thumb control



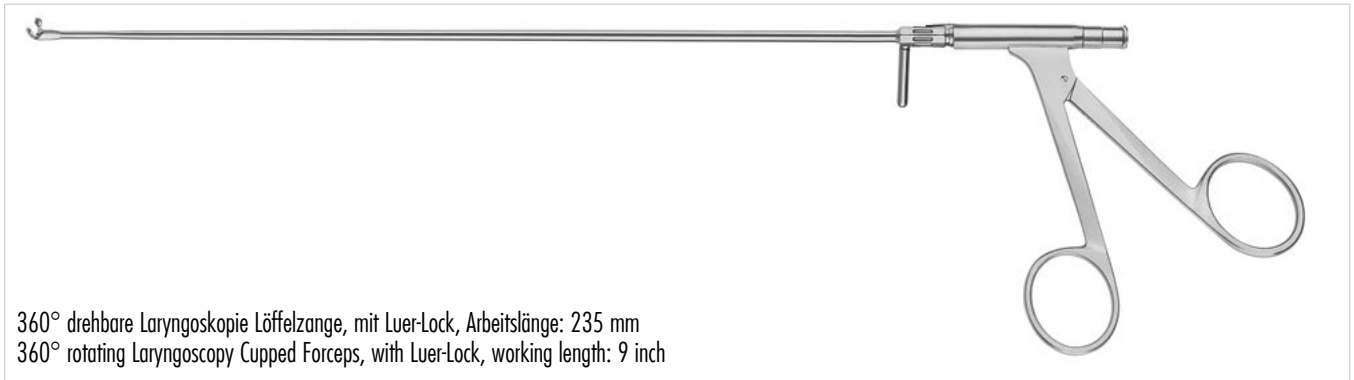
100-715-006 45° aufgebogen/45° angled upwards  
100-725-006 45° aufgebogen, Daumenkontrolle/45° angled upwards, thumb control



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



100-700-501 2mm  
gerade/straight

100-700-511 1mm  
gerade/straight



100-700-503 2mm  
rechts gebogen/curved right

100-700-513 1mm  
rechts gebogen/curved right



100-700-502 2mm  
aufgebogen/curved upwards

100-700-512 1mm  
aufgebogen/curved upwards



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



100-700-521  
rechts gebogen/curved right



100-700-522  
links gebogen/curved left



100-700-523  
aufgebogen/curved upwards



100-700-524  
aufgebogen/curved upwards

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



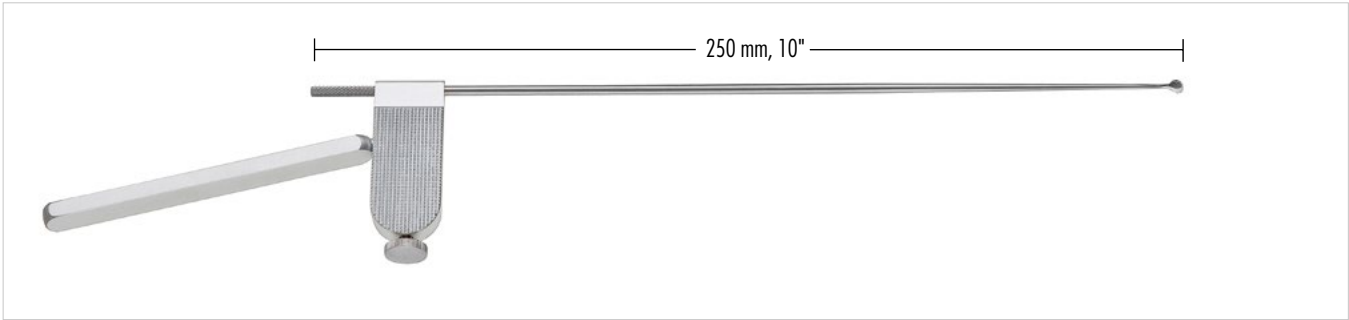
100-700-552  
rechts gebogen/curved right



100-700-551  
aufgebogen/curved upwards



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



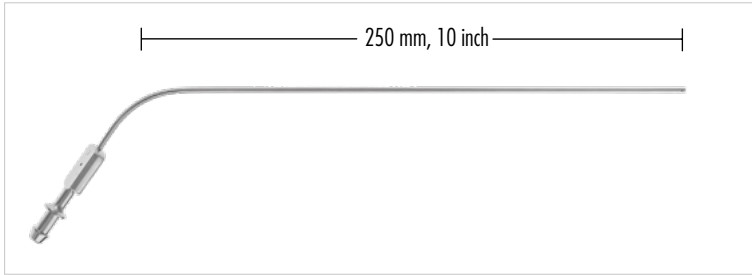
100-850-010    Saugellevator  
Elevator with suction channel



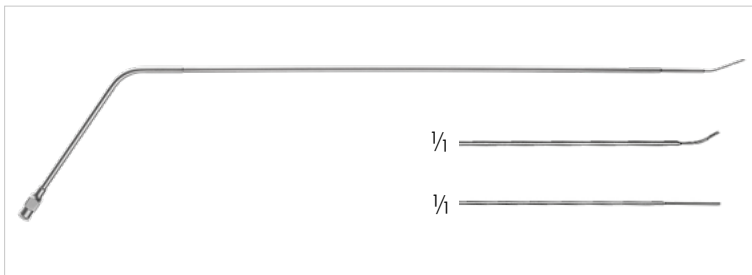
100-850-011    Knotenführer  
Knot guide



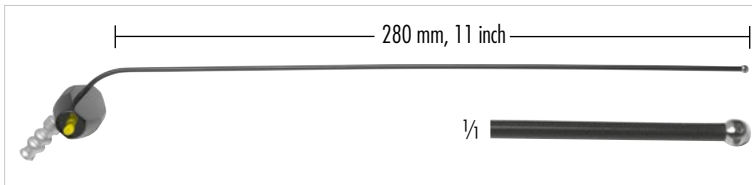
100-850-012    Häkchen, 90°, mit Sondenknopf  
Hook with probe end, 90° angled



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



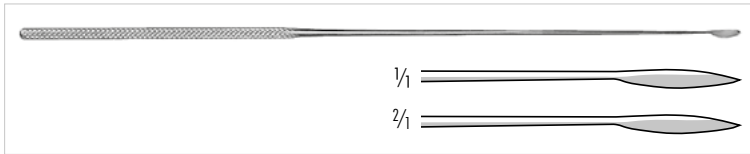
RZ HF Unit  
Standard Plug



round-plug 4mm (instrument side)

3m	700-280-030	700-285-030	700-101-030	700-360-031	700-501-303
5m	700-280-050	700-285-050	700-101-050	700-360-051	700-501-503

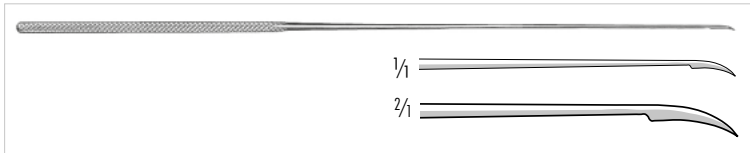
\* Innerhalb Europas nicht mit CE-Markierung erhältlich  
Not available with CE marking within Europe



100-853-295

**JAKO-TYPE**

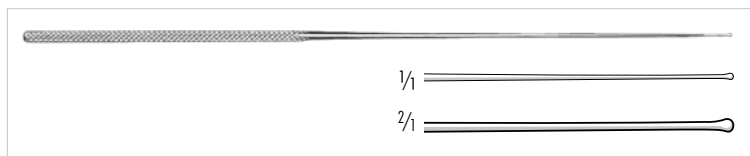
Laryngeal Messer, gerades Blatt, Klingenlänge: 8 mm, 295 mm  
 Laryngeal knife, straight blade, blade length: 8 mm, 11 3/4 inch



100-854-295

**JAKO-TYPE**

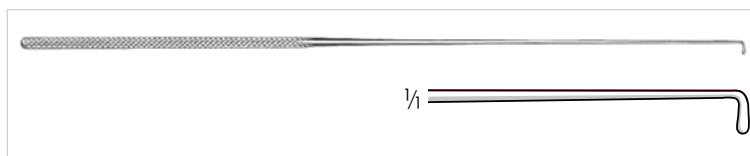
Laryngeal Sichelmesser, Klingenlänge: 8 mm, 295 mm  
 Laryngeal sickle knife, blade length: 8 mm, 11 3/4 inch



100-855-300

**JAKO-TYPE**

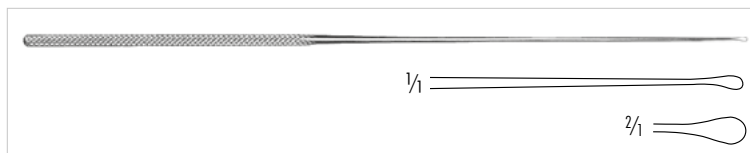
Laryngeal Sonde, gerade, Arbeitslänge: 220 mm, 295 mm  
 Laryngeal probe, straight, working length: 8 1/2 inch, 11 3/4 inch



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**

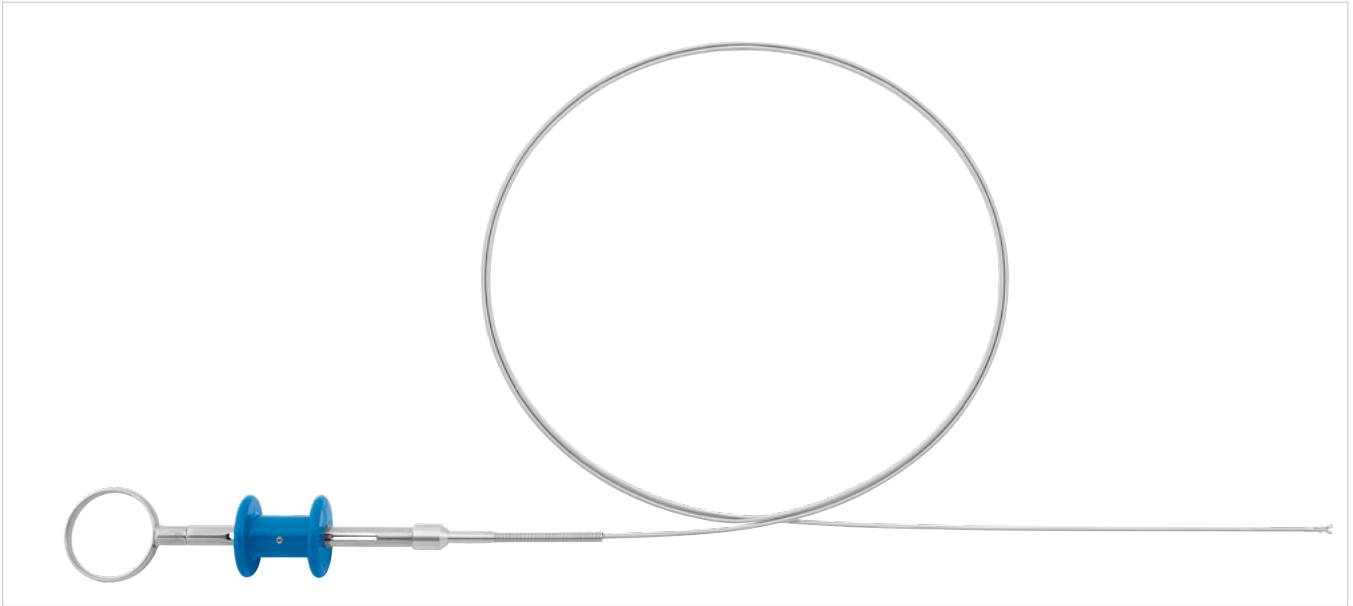
Mikro Dissektor, stumpf, 4 mm breit, Gesamtlänge: 295 mm  
 Micro dissector, blunt, 4 mm wide, 11 3/4 inch



100-860-300

**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



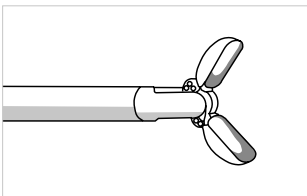
100-518-090 - 100-723-090

Flexible Biopsie- und Faßzangen, für flexible Endoskope, doppelbewegliche Maulteile, voll sterilisierbar

Flexible Biopsy- and Grasping forceps, for flexible Endoscopes, double-action jaws, totally autoclavable

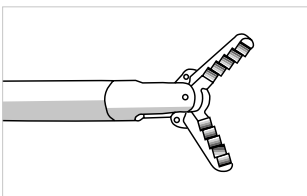
Biopsiezange, runder Löffel/Biopsy forceps, round cup

Biopsiezange, ovaler Löffel/Biopsy forceps, oval cup



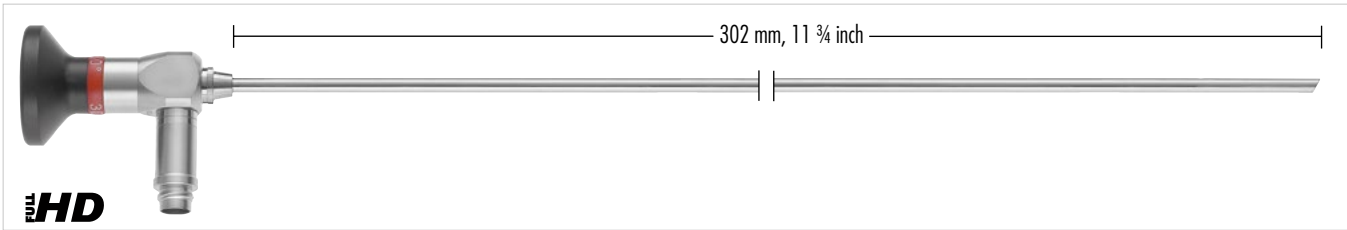
- 100-601-075 750 mm, 1,0 mm  $\varnothing$
- 100-618-090 900 mm, 1,8 mm  $\varnothing$
- 100-623-090 900 mm, 2,3 mm  $\varnothing$
- 100-618-120 1200 mm, 1,8 mm  $\varnothing$
- 100-623-120 1200 mm, 2,3 mm  $\varnothing$

Faßzange mit Hechtm Maul/Alligator grasping forceps



- 100-701-075 750 mm, 1,0 mm  $\varnothing$
- 100-718-090 900 mm, 1,8 mm  $\varnothing$
- 100-723-090 900 mm, 2,3 mm  $\varnothing$
- 100-718-120 1200 mm, 1,8 mm  $\varnothing$
- 100-723-120 1200 mm, 2,3 mm  $\varnothing$



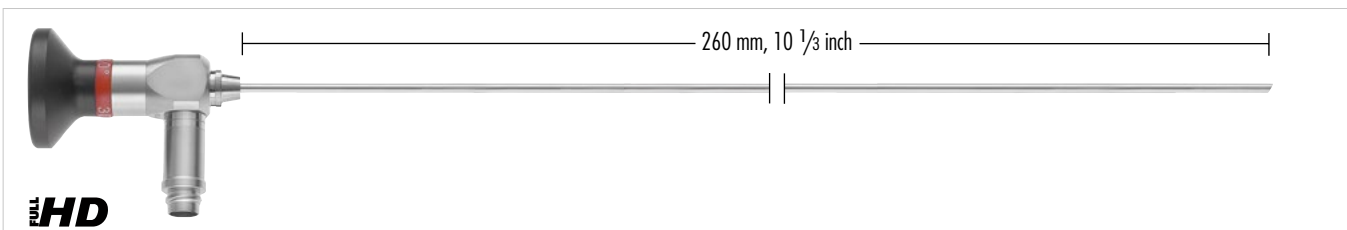


100-604-000

Bronchoskop, starr, 0°, ø 4 mm, autoklavierbar, Nutzlänge 302 mm  
Bronchoscope, rigid, 0°, ø 4 mm, autoclavable, working length 11 ¾ inch

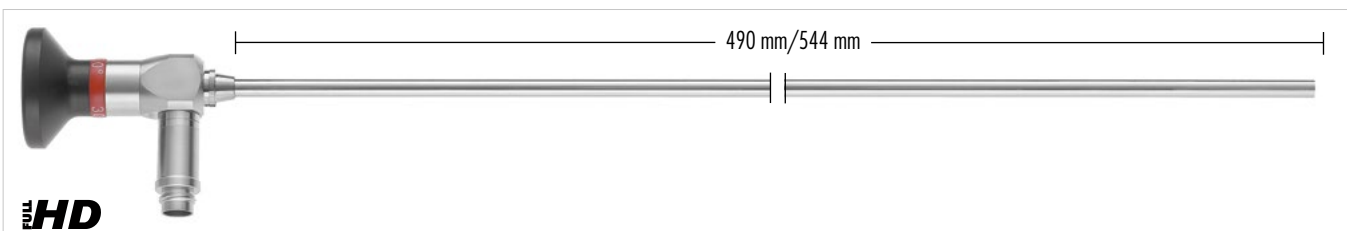
100-604-030

Bronchoskop, starr, 30°, 4 mm ø, autoklavierbar, Nutzlänge 302 mm  
Bronchoscope, rigid, 30°, 4 mm ø, autoclavable, working length 11 ¾ 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 ⅓ inch



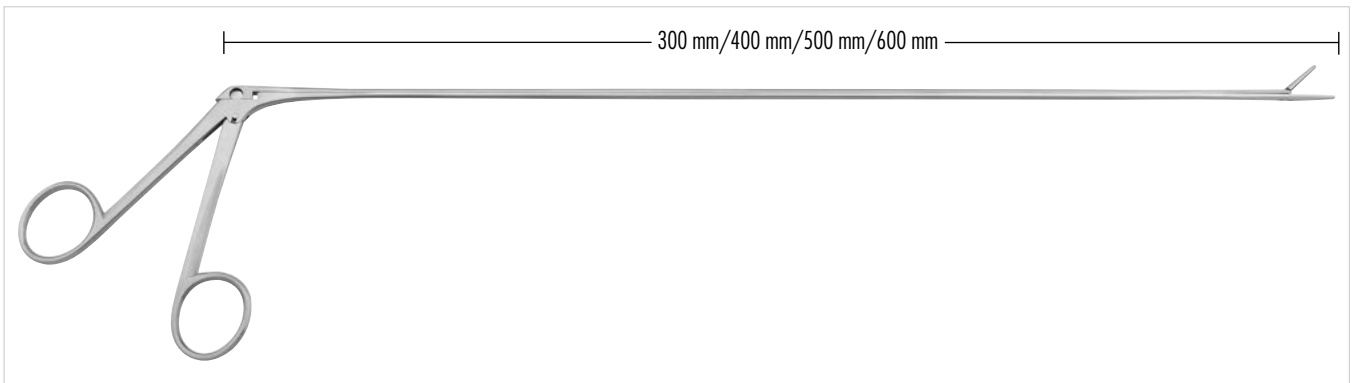
100-655-000 Nutzlänge 490 mm/working length 19 ⅓ inch

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 ⅓ inch

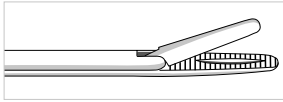
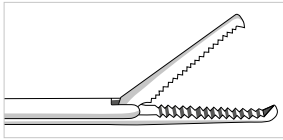
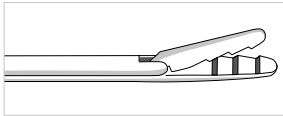
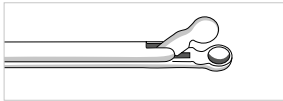
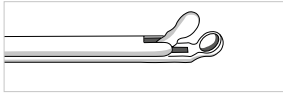
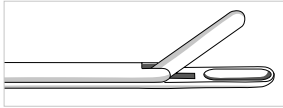
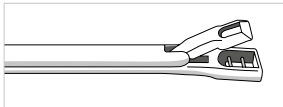
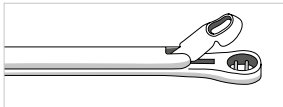
100-655-130 Nutzlänge 544 mm/working length 21 ⅓ inch

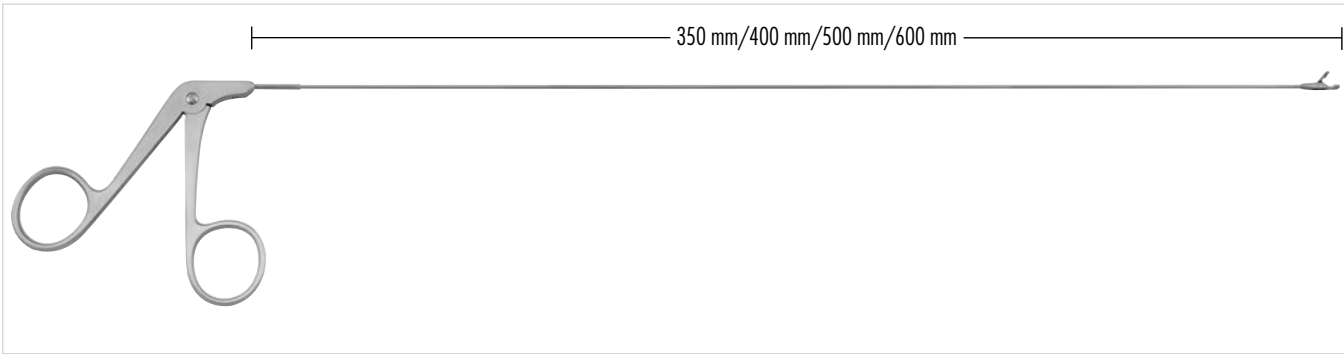
Bronchoskop, starr, 30°, ø 5,5 mm, autoklavierbar  
Bronchoscope, rigid, 30°, ø 5.5 mm, autoclavable



**JACKSON**

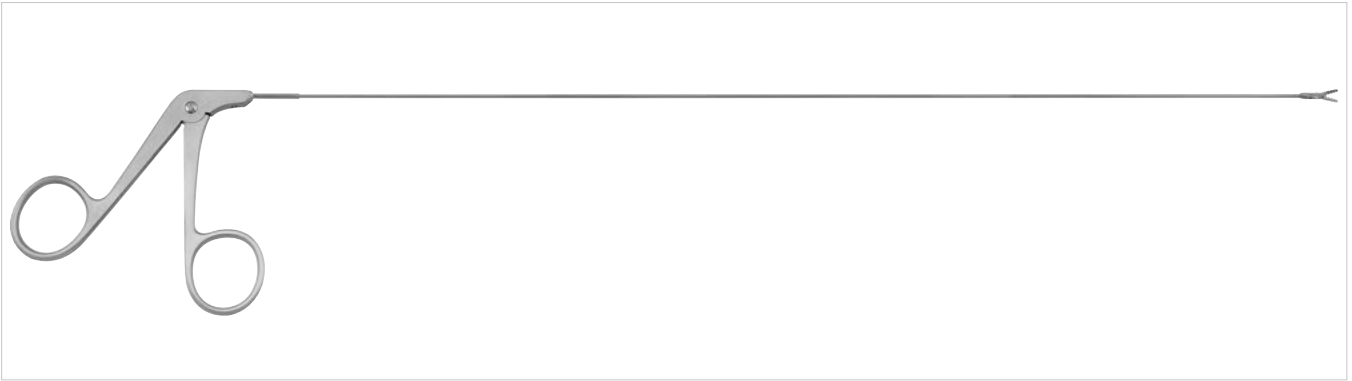
Broncho-Oesophagoskopie-Zangen und Biopsiezangen mit **Schieberschaft**, obere Maulteile beweglich  
 Broncho-oesophagoscopic forceps and Biopsy forceps with **sliding-shaft**, upper jaws moveable

		Schafflänge/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



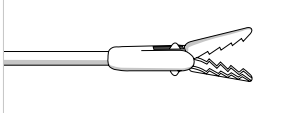
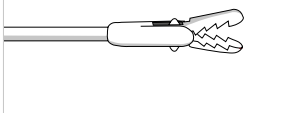
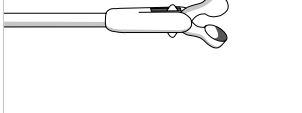
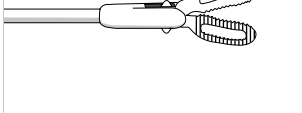
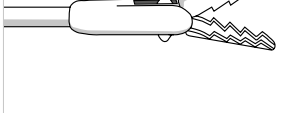
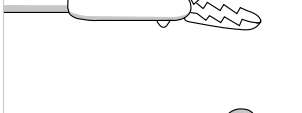


Laryngo-Broncho-Oesophagoskopiezangen, mit Rohrschaft  
Broncho-Oesophagoscopic forceps, with tubular shaft

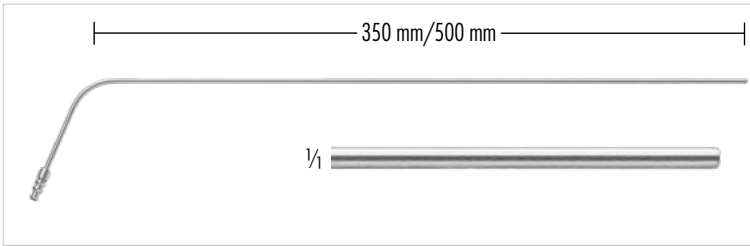
	Schaftlänge/shaft-length	Schaftstärke/shaft ø 2.5 mm			Kinder/children ø 1.5 mm
		400 mm/15 3/4 inch	500 mm/19 1/2 inch	600 mm/23 1/2 inch	350 mm/13 3/4 inch
	Stanzmaul/Punch jaw	100-720-401	100-720-501	100-720-601	100-720-301
	Fasszange, gerieft Grasping Forceps, serrated	100-720-402	100-720-502	100-720-602	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	
	Löffelmaul, oval, gerade Cupped Forceps, oval, straight	100-720-411	100-720-511	100-720-611	
	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



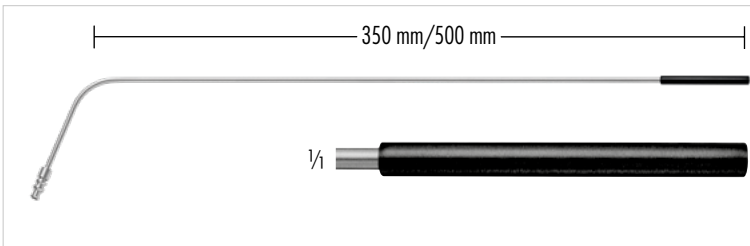
100-720-001 - 100-720-034

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/13¾ inch	500 mm/19¾ 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 gefensterem 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 gefensterem Maul Grasping forceps with fenestrated jaws</p>	2,5 mm	—	100-720-024	100-720-034

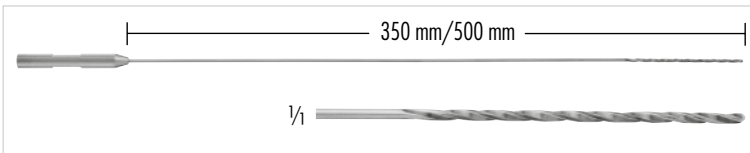


100-850-350 350mm/13 3/4 inch  
 100-850-500 500mm/19 3/4 inch  
 Saugrohr  
 Rigid suction tube



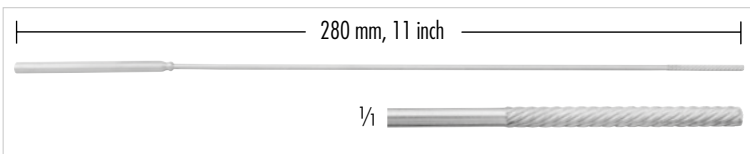
100-852-350  
 Saugrohr, mit flexibler Gummispitze, 350 mm lang  
 Rigid suction tube, with flexible rubber tip, 13 3/4 inch long

100-852-500  
 Saugrohr, mit flexibler Gummispitze, 500 mm lang  
 Rigid suction tube, with flexible rubber tip, 19 3/4 inch long

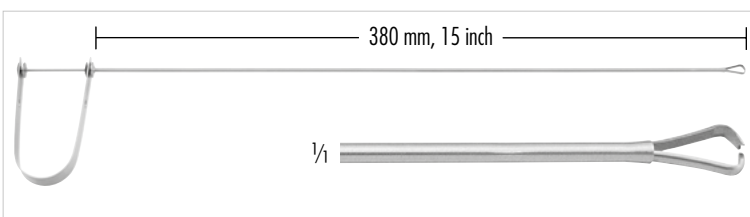


100-854-350  
 Watteträger, Nutzlänge 350 mm  
 Cotton carrier, working length 13 3/4 inch

100-854-500  
 Watteträger, Nutzlänge 500 mm  
 Cotton carrier, working length 19 3/4 inch



100-864-280  
 Watteträger, spiralförmig gerieft, ø 2,5 mm, Länge 280 mm  
 Cotton applicator, twist end serrated, ø 2.5 mm, length 11 inch



100-856-380  
 Tupferhalter, 1 x 2 Zähne, Arbeitslänge: 380 mm  
 Sponge holder, 1 x 2 treeth, working length: 15 inch



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

HUBER Griff/Handle 100-754-000

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



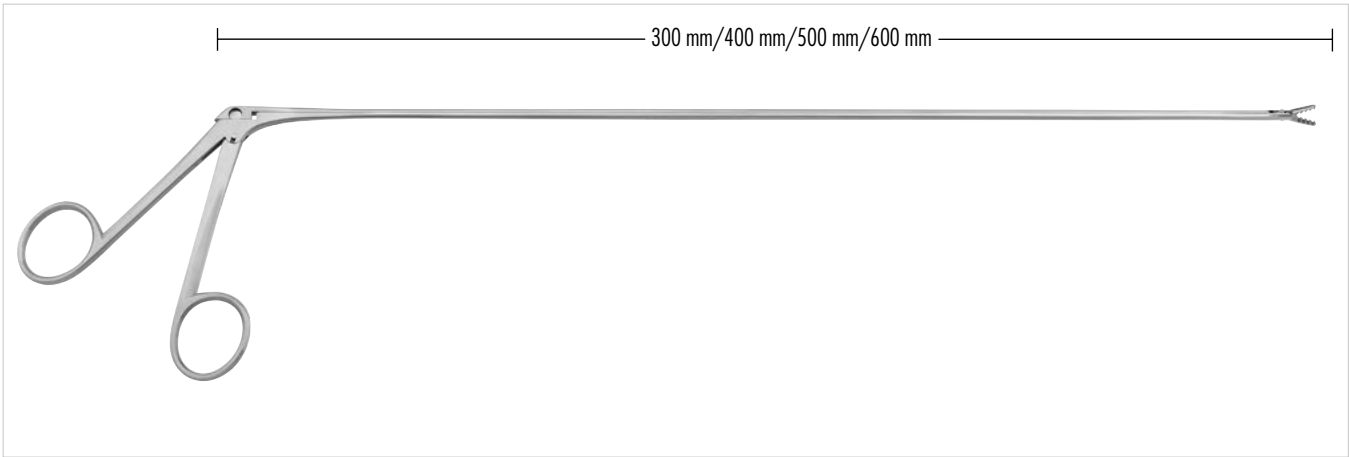
**KRAUSE** Biopsie Stanze, oval, durchschneidend  
Biopsy punch, oval, through cutting  
100-754-008 Size 1  
100-754-026 Size 2  
100-754-027 eckig/angular, Size 1  
100-754-007 eckig/angular, Size 2



**SCHUHMACHER**  
100-754-028 Biopsie Stanze, dreieckig,  
mit ziehendem Schnitt  
Biopsy punch, triangular,  
with pull cutting

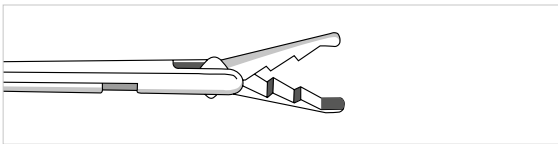


**CORDES** Stanze/Punch  
100-754-029 rund/round  
100-754-032 eckig/angular



**CHEVALIER-JACKSON**

Bronchoskopie Zangen, Schieberschaft, doppelbewegliche Maulteile  
Bronchoscopy forceps, sliding-shaft, double-moving jaws



Hechtmaul/Alligator jaw

Länge/Length

100-755-305

300 mm/11 3/4 inch

100-755-405

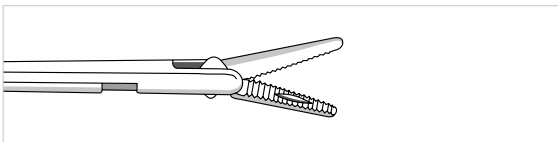
400 mm/15 3/4 inch

100-755-505

500 mm/19 3/4 inch

100-755-605

600 mm/23 2/3 inch



Faßzange, gerieftes Maul/Grasping forceps, serrated jaw

100-755-304

300 mm/11 3/4 inch

100-755-404

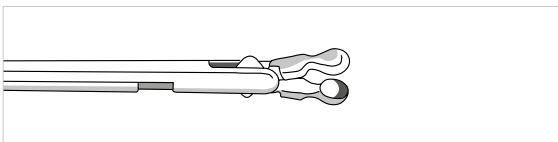
400 mm/15 3/4 inch

100-755-504

500 mm/19 3/4 inch

100-755-604

600 mm/23 2/3 inch



Löffelzange/Cupped forceps

100-755-310

300 mm/11 3/4 inch

100-755-410

400 mm/15 3/4 inch

100-755-510

500 mm/19 3/4 inch

100-755-610

600 mm/23 2/3 inch



Erwachsene / Adult

Optische Bronchoskopie Zangen für Bronchoskope 8,5 - 7,5mm  
Optical Bronchoscopy forceps for Bronchoscopes 8.5 - 7.5mm



**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

**100-655-000** 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

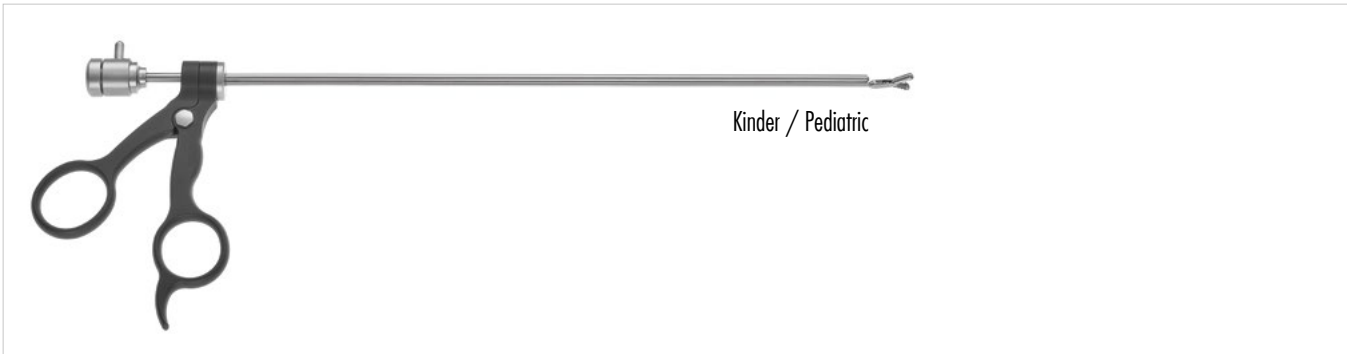


**100-900-228** Fasszange  
Grasping Forceps



**100-900-207** Fremdkörperzange  
Foreignbody Forceps





Kinder / Pediatric

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



100-900-215 Schere, doppelbeweglich  
 Scissors, double action



100-010-170	206	100-213-001	209	100-500-075	221
100-010-200	206	100-213-002	209	100-500-080	221
100-010-250	206	100-213-003	209	100-500-100	223
100-100-002	3	100-213-004	209	100-500-101	223
100-100-003	3	100-213-005	209	100-500-102	224
100-102-100	2	100-213-100	210	100-500-110	223
100-103-100	2	100-213-200	210	100-500-111	223
100-103-120	3	100-213-300	210	100-500-113	223
100-103-400	3	100-214-000	207	100-500-150	224
100-104-000	2	100-214-001	207	100-500-200	225
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100-104-002	2	100-214-003	207	100-500-202	214, 220
100-104-006	2	100-214-004	207	100-500-203	214, 220
100-210-000	207	100-214-005	207	100-500-204	214
100-210-001	207	100-214-100	210	100-500-205	214
100-210-002	207	100-214-200	210	100-500-206	214
100-210-003	207	100-215-001	209	100-500-207	214
100-210-004	207	100-215-002	209	100-500-208	214, 220, 222
100-210-005	207	100-215-003	209	100-500-210	225
100-210-006	207	100-215-004	209	100-500-310	227
100-210-100	210	100-215-005	209	100-500-380	227
100-210-200	210	100-215-100	210	100-500-385	228
100-210-300	210	100-215-200	210	100-500-400	226
100-211-000	209	100-218-003	209	100-500-410	226
100-211-001	209	100-218-004	209	100-500-420	226
100-211-002	209	100-250-000	208, 210	100-500-531	213, 220, 221
100-211-003	209	100-250-002	208	100-500-532	213, 220, 221
100-211-004	209	100-251-000	208	100-500-533	213, 220, 221
100-211-005	209	100-260-000	208	100-500-534	213
100-211-010	208, 210	100-300-001	208	100-500-535	213
100-211-011	208	100-300-002	208	100-500-536	213
100-211-012	208	100-418-150	126	100-500-537	213, 220, 221
100-211-014	208	100-418-200	126	100-500-538	220
100-211-100	210	100-500-001	212, 220, 221, 222	100-500-539	220
100-211-200	210			100-500-540	220
100-211-300	210	100-500-002	212, 220, 221	100-500-541	221
100-212-000	207	100-500-003	212, 220, 221	100-500-542	221
100-212-001	207	100-500-004	212	100-500-543	221
100-212-002	207	100-500-005	212	100-500-551	217, 221
100-212-003	207	100-500-006	212	100-500-552	217, 221
100-212-004	207	100-500-007	212	100-500-553	216, 220, 221, 222
100-212-005	207	100-500-008	212, 220, 221, 222	100-500-554	216, 221
100-212-100	210			100-500-555	216, 220, 221, 222
100-212-200	210	100-500-019	220		
100-212-300	210	100-500-020	220		
100-213-000	209	100-500-050	222	100-500-556	220

100-500-557	220	100-618-090	243	100-700-521	237
100-500-558	221	100-618-120	243	100-700-522	237
100-500-559	221	100-623-090	243	100-700-523	237
100-500-560	221	100-623-120	243	100-700-524	237
100-500-561	222	100-627-000	244	100-700-550	237
100-500-562	218, 220, 221	100-629-000	252	100-700-551	237
100-500-563	218, 220	100-655-000	244, 251	100-700-552	237
100-500-564	218, 220, 221	100-655-030	244, 251	100-700-553	237
100-500-571	219	100-655-100	251	100-701-075	243
100-500-572	219	100-655-130	244, 251	100-704-230	233
100-500-573	219	100-700-001	232	100-710-001	235
100-500-574	222	100-700-002	232	100-710-002	235
100-500-575	222	100-700-003	232	100-710-003	235
100-500-576	222	100-700-004	232	100-710-004	235
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100-500-584	220	100-700-008	232	100-710-021	235
100-500-585	220	100-700-020	232	100-710-022	235
100-500-586	221	100-700-021	232	100-710-023	235
100-500-587	221	100-700-022	232	100-710-050	235
100-500-588	222	100-700-023	232	100-710-051	235
100-505-000	211	100-700-024	232	100-710-052	235
100-505-001	211	100-700-025	232	100-710-053	235
100-505-002	211	100-700-026	232	100-712-001	234
100-505-003	211	100-700-030	233	100-712-002	234
100-505-100	211	100-700-050	233	100-712-003	234
100-505-101	211	100-700-051	233	100-712-004	234
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100-510-001	211	100-700-101	232	100-712-008	234
100-510-002	211	100-700-102	232	100-712-009	234
100-510-003	211	100-700-103	232	100-712-013	234
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100-510-101	211	100-700-200	233	100-715-002	236
100-510-102	211	100-700-210	233	100-715-003	236
100-510-103	211	100-700-501	237	100-715-004	236
100-512-000	224	100-700-502	237	100-715-005	236
100-518-090	243	100-700-503	237	100-715-006	236
100-601-075	243	100-700-504	237	100-715-007	236
100-604-000	244	100-700-511	237	100-715-008	236
100-604-030	244	100-700-512	237	100-718-090	243
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		100-700-514	237	100-720-001	247
		100-700-520	237	100-720-002	247

100-720-003	247	100-720-509	246	100-750-409	245
100-720-004	247	100-720-510	246	100-750-410	245
100-720-011	247	100-720-511	246	100-750-501	245
100-720-012	247	100-720-512	246	100-750-502	245
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100-720-014	247	100-720-601	246	100-750-504	245
100-720-021	247	100-720-602	246	100-750-505	245
100-720-022	247	100-720-603	246	100-750-506	245
100-720-023	247	100-720-604	246	100-750-507	245
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100-720-304	246	100-720-613	246	100-750-606	245
100-720-305	246	100-723-090	243	100-750-607	245
100-720-306	246	100-723-120	243	100-750-608	245
100-720-307	246	100-725-001	236	100-750-609	245
100-720-308	246	100-725-002	236	100-750-610	245
100-720-309	246	100-725-003	236	100-754-000	249
100-720-312	246	100-725-004	236	100-754-003	249
100-720-313	246	100-725-005	236	100-754-004	249
100-720-401	246	100-725-006	236	100-754-005	249
100-720-402	246	100-725-007	236	100-754-007	249
100-720-403	246	100-725-008	236	100-754-008	249
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100-720-408	246	100-750-305	245	100-754-018	249
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100-720-410	246	100-750-307	245	100-754-020	249
100-720-411	246	100-750-308	245	100-754-021	249
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100-720-413	246	100-750-310	245	100-754-026	249
100-720-501	246	100-750-401	245	100-754-027	249
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100-720-505	246	100-750-405	245	100-754-031	249
100-720-506	246	100-750-406	245	100-754-032	249
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100-856-380	248	120-094-120	108	121-111-145	185
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100-860-025	239	120-099-105	107	121-188-145	106
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