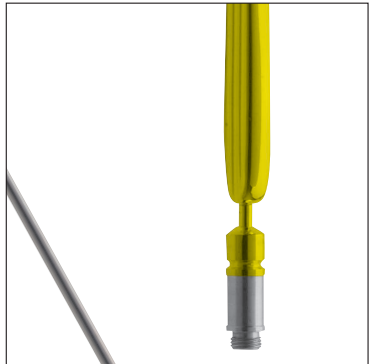
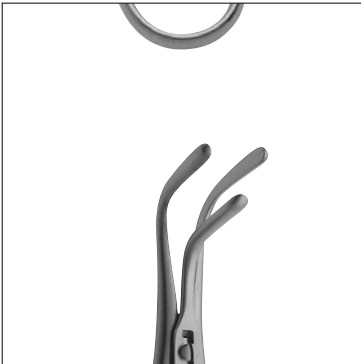


HNO/SINUSKOPIE
ENT/SINUSCOPY
ORL/SINUSCOPIA



REDA
INSTRUMENTE GMBH



Reda Instrumente GmbH
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<http://www.Reda-Instrumente.de>

Ausgabe Nr. 1
Datum: 12/2016



Charrière (Ch) French (F)	Durchmesser in mm	Inches
1	0,33	0,013
2	0,67	0,025
3	1,00	0,039
4	1,33	0,051
5	1,67	0,065
6	2,00	0,0787
7	2,33	0,092
8	2,67	0,105
9	3,00	0,1181
10	3,33	0,131
11	3,67	0,144
12	4,00	0,1575
13	4,33	0,170
14	4,67	0,184
15	5,00	0,1968
16	5,33	0,210
17	5,67	0,223
18	6,00	0,2362
19	6,33	0,249
20	6,67	0,263
21	7,00	0,2756
22	7,33	0,288
23	7,67	0,302
24	8,00	0,3150
25	8,33	0,328
26	8,67	0,341
27	9,00	0,3543
28	9,33	0,367
29	9,67	0,380
30	10,00	0,3973
31	10,33	0,407
32	10,67	0,420
34	11,33	0,446
36	12,00	0,4724
38	12,67	0,494
40	13,33	0,5199
45	15,00	0,5905

Gauge (G)	Durchmesser in mm	Inches
35	0,13	0,005
34	0,18	0,007
33	0,20	0,008
32	0,23	0,009
31	0,25	0,010
30	0,30	0,012
29	0,33	0,013
28	0,36	0,014
27	0,41	0,016
26	0,46	0,018
25	0,51	0,020
	0,53	0,021
24	0,56	0,022
23	0,64	0,025
22	0,71	0,028
21	0,81	0,032
20	0,89	0,035
	0,97	0,038
19	1,07	0,042
18	1,27	0,050
17	1,50	0,059
16	1,65	0,065
15	1,83	0,072
14	2,11	0,083
13	2,41	0,095
12	2,77	0,109
11	3,05	0,120
10	3,40	0,134
9	3,76	0,148
8	4,19	0,165
7	4,57	0,180
6	5,16	0,203

1 OZ	0,028 ml
5 OZ	0,140 ml
16 OZ	0,450 ml

35 OZ	1,0 l
128 OZ	3,7 l



GARANTIE / WARRANTY / GARANTIA

GARANTIE

Wir gewähren auf alle **Reda**-Instrumente 5 Jahre Garantie. Voraussetzung ist der sach- und fachgerechte Einsatz der Instrumente. Von der Garantie sind Verschleißerscheinungen ausgeschlossen.

WARRANTY

Our **Reda** products are free from manufacturing defects in material and workmanship. We therefore give on all instruments a guarantee of five years provided that the instruments are maintained and cleaned properly and used normally for their intended purpose.

GARANTIA

Estamos convencidos de nuestra calidad y concedemos a todos los instrumentos de **Reda** 5 años de garantía contra cualquier defecto de fabricación, siempre y cuando se usen adecuadamente. De la garantía excluimos la manifestación de desgaste.

Arbeitsanweisung

Aufbereitung (Reinigung) und Sterilisation von resterilisierbaren chirurgischen Instrumenten

DIN EN ISO 17664:2004 (D)

Hersteller:
REDA Instrumente GmbH, Gänsäcker 34
78532 Tuttlingen

Alle von Reda gelieferten wieder verwendbaren Instrumente wurden ausschließlich für den chirurgischen Gebrauch konstruiert und dürfen zu keinen anderen Zwecken benutzt werden. Unsachgemäße Handhabung und sorglose Pflege sowie zweckentfremdeter Gebrauch können zu vorzeitigem Verschleiß der Instrumente führen. Die Produkte sind bei der Auslieferung nicht sterilisiert.

Reinigungsvorbereitung

Fabrikneue Instrumente müssen vor der ersten Anwendung den gesamten Aufbereitungsprozess durchlaufen. Instrumente unmittelbar nach Anlieferung aus den Folienverpackungen entnehmen und in trockenen Räumen bei gleichbleibender Raumtemperatur luftoffen lagern, um Kondensationsbildung zu vermeiden. Die Instrumente keinen Sonnenlichteinstrahlungen oder Dämpfen durch Chemikalien (Säuren oder scharfe Reinigern) aussetzen. Vor der ersten Sterilisation alle Schutzkappen und Folien vollständig entfernen und anschließend reinigen.

Gebrauchte Instrumente unmittelbar nach Beendigung des Eingriffs von Blut, Gewebe und Arzneimittel reinigen. Instrumente in eine freigegebene Lösung eines kombinierten Reinigungs- und Desinfektionsmittels, das keine proteinfixierende Wirkung besitzt, einlegen. Dosierung des Herstellers beachten. Nicht in NaCl Lösung einlegen, ansonsten Gefahr für Loch- bzw. Spannungsriss-Korrosion

Überfüllung von Instrumentensieben und Wascht-Trays vermeiden.

Gelenkinstrumente vor dem Aufbereiten öffnen. Zerlegbare Instrumente gemäß Bedienungsanleitung (Piktogramm) zur Reinigung zerlegen. Reinigungsgerechtes Zubehör verwenden. Für die manuelle Reinigung nie Metallbürsten oder Metallschwämme verwenden.

Spülmaschinen und Ultraschallanlagen nicht überladen. Spül- oder Schallschatten vermeiden. Dosierung, Einwirkzeit und Einwirktemperatur bei der Desinfektion und Reinigung unbedingt einhalten. Nach der Reinigung sorgfältig spülen. Möglichst vollentsalztes (demineralisiertes) Wasser verwenden.

Nach dem Spülen ausreichend trocknen.

Abgenutzte, korrodierte, deformierte, poröse oder anderweitig beschädigte Instrumente aussortieren.

Aus hygienischen Gründen müssen Instrumente, die zur Reparatur eingesandt werden komplett aufbereitet werden.

Gelenkinstrumente nach jeder Aufbereitung mit einem Pflegemittel auf Basis von Paraffinöl behandeln (gilt nicht für flexible Endoskope und Zubehör).

Funktionsprüfung in zusammengebautem Zustand durchführen.

Instrumente mit Rastensperre vor der Sterilisation nur im ersten Zahn schließen.

Als Sterilisationsverfahren empfehlen wir die Dampfsterilisation (üblicherweise mit Sattedampf bei 134° C)

Sterilisation ist kein Ersatz für Sauberkeit!

Die Broschüre "Instrumenten-Aufbereitung richtig gemacht" des Arbeitskreis Instrumenten-Aufbereitung dient als Anhalt.

Reda Instrumente GmbH
78532 Tuttlingen

IMPORTANT INFORMATION CONCERNING PREPARING AND STERILIZING SURGICAL INSTRUMENTS

Dear Sirs,

please read the following instructions very carefully before using the instruments.

1. INITIAL USE

All instruments which are being used for the first time must be thoroughly cleaned, rinsed and then sterilized before using.

2. TREATING INSTRUMENTS AFTER USAGE

- a.) The instruments might be immediately thoroughly cleaned and disinfected. Please follow the manufacturer's instructions when using cleaning agents and disinfectants.
- b.) Instruments which may be dismantled must be cleaned and disinfected after being taken apart.
- c.) Cleaning may be carried out either manually or with a machine. Care should be taken that only cleaning agents and disinfectants are used, which are changed daily.
- d.) Following chemical disinfection and manual cleaning, all instruments must always be thoroughly rinsed under running water.
- e.) The temperature of water used in a machine for cleaning should not exceed 45°C.
- f.) Whether cleaning is carried out manually or by machine, we especially ask you to ensure that the correct dosage for cleaning solutions or the correct combination of disinfectant and cleaning solution, is employed. Similar importance should be applied to the length of time the agents require to perform properly and to the temperature set.
- g.) Hinged instruments should be opened before cleaning.
- h.) Please ensure that the perforated instrument trays, when loaded, do not exceed 10 kg in weight.
- i.) Please take care that when instruments are being cleaned they are arranged proper in a manne that fluids can circulate freely.
- j.) Deposits remaining after the cleaning process must be completely removed in the first rinse which now follows. The optimum temperature for final rinsing has proved to be between 70° and 90° C. Please use only purified water in this final cleaning stage.
- k.) The instruments must be carefully dried after cleaning and rinsing is completed.
- l.) Moving parts and the cutting edges of shears and scissors must be treated with preservatives which are both suitable and physiologically safe.

3. TESTING FOR CORRECT FUNCTIONING

- a.) Instruments must be carefully and thoroughly checked before every occasion that they are used.

- b.) After each time they are cleaned, the instruments must be macroscopically clean, i.e., visibly free from proteinbased residues and other soiling.
- c.) Care should be taken so that cracks, breakages and corrosion are noticed.
- d.) Instruments with flecks should be separated and taken out for special treatment.
- e.) All moving parts as well as working tips and blades should be checked with special care.
- f.) Checking should be carried out according to the extent to which the instruments will be used.
- g.) Instruments which are in any way defective or damaged should be immediately sorted out from the others.

4. STERILIZATION

- a.) All stainless steel surgical instruments supplied by us may be sterilized in an autoclave.
- b.) Please follow the manufacturer's operating instructions when using autoclave. All machines used must comply with all current quality and other standards.
- c.) Instruments are being sterilized/ autoclaved at a temperature of 134°C.
- d.) Sterilization packing material must comply with all current standards.
- e.) Instruments with ratchets or self-retaining mechanisms should be sterilized opened or in the first ratchet position.
- f.) Please ensure that perforated instrument trays, when loaded do not exceed 10 kg in weight.

5. IN GENERAL

- a.) All surgical instruments supplied by us have been thoroughly inspected before dispatch and leave our factory in perfect condition. Damage which can arise as a result of transporting, cleaning, preserving, sterilizing or storing, must be prevented.
- b.) Please handle surgical instruments always with the utmost care.
- c.) Instruments must be stored in a clean and dry place.
- d.) If you have any queries or problems please contact us at any time:

We should like to point out that, if the above-mentioned directions are not followed or the instruments supplied by us are not properly used, all guarantee claims become void and any consequences must be borne by yourselves.

SUGERENCIAS PARA LA LIMPIEZA, ESTERILIZACIÓN Y MANTENIMIENTO DE INSTRUMENTOS QUIRÚRGICOS

ENJUAGADO

Tras el uso enjuagar enseguida los instrumentos bajo un chorro de agua caliente (no hirviendo). El enjuagado debe servir para quitar los residuos de sangre, mucosas y tejidos.

LIMPIEZA

Si la limpieza no se efectúa inmediatamente después del enjuagado, los instrumentos tienen que sumergirse en una solución de agua y detergente con PH neutro (7)

Para los instrumentos muy delicados (algunos tipos de porta agujas o tijeras se aconseja una limpieza manual: ver punto "C".

a.- Limpieza en la pila de ultrasonido

Los instrumentos tienen que estar en la pila el tiempo necesario recomendado por el fabricante para efectuar el ciclo del lavado, generalmente de 5 a 10 minutos.

Los instrumentos con bisagras o juntas (articulaciones) tienen que sumergirse en la pileta en posición abierta.

Asegurarse de que las hojas afiladas de las tijeras, bisturíes para gingivectomía, curetas, etc. no estén en contacto con otros instrumentos.

Todos los instrumentos deben estar completamente sumergidos en la solución de lavado.

No poner instrumentos de diferentes metales (acero inoxidable, instrumentos cromados, latón, etc.) en el mismo ciclo de lavado.

Cambiar a menudo la solución para el lavado, como mínimo todas las veces que lo recomienda el fabricante de la pileta de ultrasonidos.

Enjuagar concienzudamente los instrumentos con agua corriente tras lavado con ultrasonidos para quitar los residuos de la solución de lavado.

b.- Limpieza con lavadora

Seguir las indicaciones del fabricante. Asegurarse de que los instrumentos hayan sido lubricados tras el último ciclo de lavado y antes del ciclo de esterilización.

c.- Limpieza manual

La mayor parte de los fabricantes de instrumentos indican el lavado con los ultrasonidos como el modo mejor y más eficaz para limpiar los instrumentos quirúrgicos, especialmente los que tienen bisagras, cierres y en general articulaciones. Si la limpieza con los ultrasonidos no es posible, se aconseja usar el método siguiente:

- Usar cepillos rígidos de plástico, nylon, etc.
- Cepillar concienzudamente los instrumentos más delicados y, si es posible, enjuagar, limpiar y esterilizar estos instrumentos separadamente.
- Verificar que toda la superficie de estos instrumentos esté limpia.
- Tras haber cepillado los instrumentos, enjuagarlos bajo el chorro de agua corriente.
- Durante el enjuagado abrir y cerrar las tijeras, las pinzas hemostáticas, los porta agujas y los demás instrumentos con bisagras o juntas y asegurarse de que las partes internas de las bisagras estén perfectamente enjuagadas como la superficie externa del instrumento.

SECADO, LUBRIFICACIÓN E INSPECCIÓN

Tras las operaciones de limpieza y de enjuagado, los instrumentos quirúrgicos tienen que ser secados perfectamente.

Todos los instrumentos con juntas o bisagras (acción "metal contra metal") como tijeras, pinzas hemostáticas, porta agujas, fórceps de extracción, etc., tienen que ser lubricados. Se aconsejan lubricantes específicos para el instrumental quirúrgico. No usar aceites o lubricantes industriales.

A este punto es buena norma inspeccionar el estado de cada instrumento y verificar el funcionamiento según el uso específico. Controlar y asegurarse de que:

- Las hojas de las tijeras estén lisas de arriba abajo y de que, una vez cerradas, no hagan juego. Probar las tijeras cortando gasa muy fina. Tres cuartas parte de la hoja tienen que cortar la gasa sin retenerla.

- Las puntas de las pinzas estén al mismo nivel.

- Las pinzas hemostáticas y los porta agujas no dejen pasar la luz entre las puntas cuando estén cerradas, se abran y cierren fácilmente y que las bisagras no estén demasiado flojas.

- Controlar el desgaste de la porta agujas sobre la superficie interna de las puntas.

- Las cánulas metálicas de aspiración estén bien limpias en su interior.

- Los instrumentos cortantes y los bisturíes tengan las hojas bien afiladas y no estropeadas.

ESTERILIZACIÓN EN AUTOCLAVE

Tras haber enjuagado, limpiado, secado, lubricado e inspeccionado los instrumentos, éstos pueden ser preparados para la esterilización separadamente o en serie.

Instrumentos individuales:

Las bolsas especiales monouso son el ideal para contener los instrumentos. Asegurarse de que las bolsas que contendrán los instrumentos con cierres y articulaciones (pinzas hemostáticas, porta agujas, etc.) sean lo bastante grandes como para contener los citados instrumentos en posición abierta.

Instrumentos en serie:

Poner los instrumentos en los especiales cestos o bandejas de acero inoxidable. Poner los instrumentos más pesados en la parte inferior cuando sean necesarias varias bandejas.

No cerrar nunca los instrumentos durante el ciclo en autoclave. Un instrumento cerrado no estará nunca bien esterilizado, ya que el vapor no puede penetrar en la parte de cierre a contacto "metal contra metal". En el instrumento podría además romperse en la parte de la bisagra a causa de la expansión del metal debida al calor durante el ciclo del autoclave.

No cargar demasiado la cámara del autoclave ya que algunos instrumentos podrían formar "zonas de sombra" sobre otros en los que el vapor no penetraría.

ATENCIÓN

Al final del ciclo de esterilización - antes del ciclo de secado- abrir ligeramente la portezuela del autoclave y preceder con el ciclo desecado según las instrucciones del fabricante. Si la portezuela del autoclave se abriese completamente antes del ciclo de secado, el aire frío de la habitación entraría en la cámara del autoclave causando la formación de condensación sobre los instrumentos y de consecuencia aparecerían las manchas de agua que vemos a menudo en los mismos.

ESTERILIZACIÓN EN FRÍO:

La mayor parte de las soluciones para la esterilización en frío esterilizan los instrumentos completamente tras 10 horas de inmersión. Esta acción química prolongada puede ser más perjudicial para los instrumentos que el ciclo normal de 20 minutos en autoclave.

Si los instrumentos tienen necesidad de ser simplemente "desinfectados", el proceso en frío es adecuado, ya que la desinfección tiene lugar en 10 minutos solamente.

Recuerde bien la diferencia entre:

ESTÉRIL - término absoluto (ningún organismo logra sobrevivir) y

DESINFECTADO - perfectamente limpio.

Usen siempre la técnica más adecuada de esterilización/limpieza de los instrumentos según el uso que se haga posteriormente de ellos.

Recuerden que la esterilización de los instrumentos no sustituye la limpieza de los mismos.

Recomendamos no volver a usar ni esterilizar los artículos de un solo uso.

Si se tratan en el modo correcto los instrumentos contruidos con las modernas aleaciones inoxidables pueden durar muchos años.

REINIGUNG, PFLEGE UND STERILISATION
CLEANING, CARE AND STERILIZATION
LIMPIEZA, MANTENIMIENTO Y ESTERILIZACION

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Reda Instrumente GmbH
Gänsäcker 34 - P.O. Box 131
D-78532 Tuttlingen



ENDOSKOPE

ENDOSCOPES

ENDOSCOPIOS



www.Reda-Instrumente.de

Indikationen und Kontraindikationen finden Sie in der entsprechenden Gebrauchsanweisung!

Indication and Contraindication please refer to our user`s manual!

Indicaciones y Contraindicaciones se encuentran en la instrucciones de uso correspondientes!

Ultra-slim Nasolaryngoskop
 Ultra-slim Nasolaryngoscope
 Nasolaringoscopio Ultra-slim



R805-130402-034

300 mm Nutzlänge / working length / largo útil

3,4 mm Durchmesser / diameter / diametro

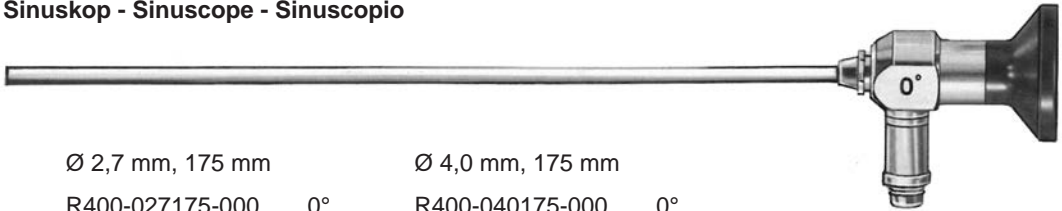
130°	aufwärts / abwärts up / down hacia arriba / hacia abajo	Schwenkbereich des distalen Endes Bending range of distal tip distal final girable
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0°	Blickwinkel / direction of view / direccion de vista
----	--

Endoskope / Optische Zange
Endoscopes / Optical Forceps
Endoscopios / Pinza optica

autoklavierbar / autoclavable / autoclavable
max. 134°C, 2,3 bar

Sinuskop - Sinuscope - Sinuscopio

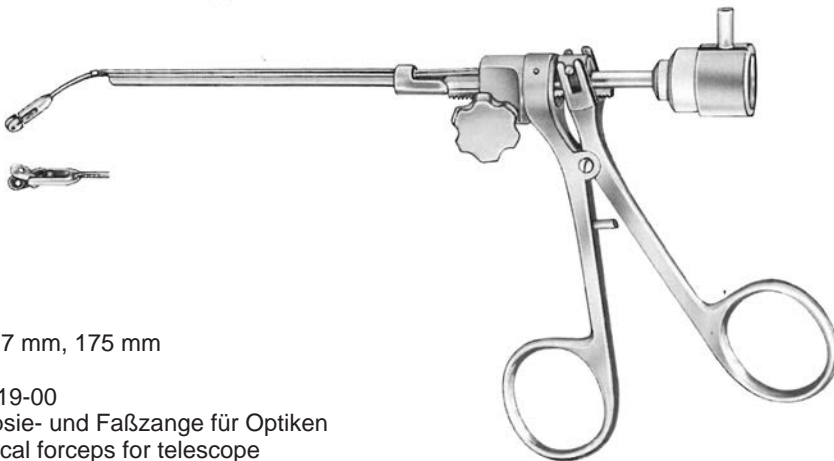


Ø 2,7 mm, 175 mm

R400-027175-000 0°
R400-027175-030 30°
R400-027175-070 70°

Ø 4,0 mm, 175 mm

R400-040175-000 0°
R400-040175-030 30°
R400-040175-045 45°
R400-040175-070 70°



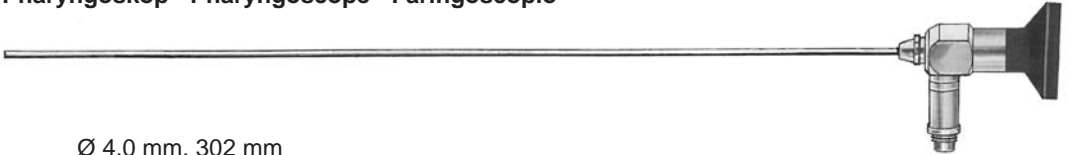
Ø 2,7 mm, 175 mm

47319-00
Biopsie- und Faßzange für Optiken
Optical forceps for telescope
Pinza optica de biopsia y agarre

Endoskope
Endoscopes
Endoscopios

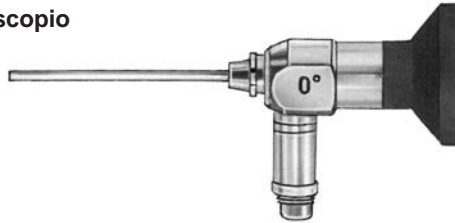
autoklavierbar / autoclavable / autoclavable
max. 134°C, 2,3 bar

Pharyngoskop - Pharyngoscope - Faringoscopio



Ø 4,0 mm, 302 mm

R300-040302-000	0°
R300-040302-030	30°
R300-040302-070	70°

autoklavierbar / autoclavable / autoclavable
max. 134°C, 2,3 bar**Otoskop - Otoscope - Otoscopio**

Ø 2,7 mm, 41 mm

R501-027041-000 0°

R501-027041-030 30°

Ø 4,0 mm, 50 mm

R501-040050-000 0°

R501-040050-030 30°

Laryngoskop - Laryngoscope - Laringoscopio

Ø 10 mm, 147,5 mm

R503-100148-070 70°

Ø 11 mm, 145 mm

R503-110145-090 90°

Ø 10 mm, 173 mm

R503-100173-070 70° mit Lichtleiter / integrated light cable / con portador de luz

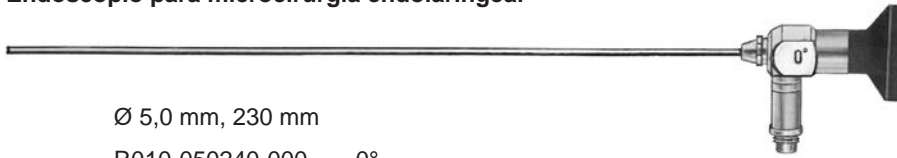
Ø 11 mm, 173 mm

R503-110173-090 90° mit Lichtleiter / integrated light cable / con portador de luz

Endoskope
Endoscopes
Endoscopios

autoklavierbar / autoclavable / autoclavable
max. 134°C, 2,3 bar

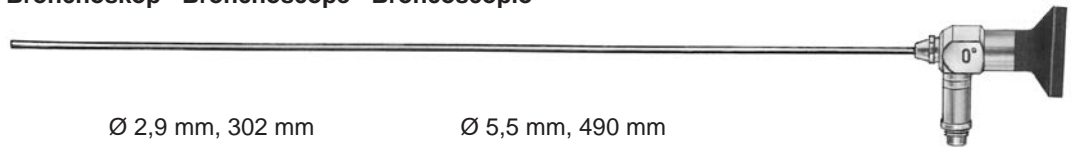
Endoskop zur endolaryngealen Mikrochirurgie
Endoscope for endolaryngeal microsurgery
Endoscopio para microcirurgia endolaringeal



Ø 5,0 mm, 230 mm

R010-050240-000	0°
R010-050240-030	30°
R010-050240-070	70°

Bronchoskop - Bronchoscope - Broncoscopio



Ø 2,9 mm, 302 mm

R010-030302-000	0°
R010-030302-030	30°

Ø 5,5 mm, 490 mm

R010-055490-000	0°
R010-055490-030	30°

Fiberglas-Lichtkabel ohne Adapter
Light Guide Cables without Adapters
Cable de fibra optica sin adaptadores



verklebt für Halogen Licht bonded for Halogen Light para luz halogena	Ø	cm	verschmolzen für Xenon Licht fused for Xenon Light para luz Xenon
R900-035180-00	3,5	180	R901-035180-00
R900-035230-00	3,5	230	R901-035230-00
R900-035300-00	3,5	300	R901-035300-00
R900-035350-00	3,5	350	R901-035350-00
R900-048180-00	4,8	180	R901-048180-00
R900-048230-00	4,8	230	R901-048230-00
R900-048250-00	4,8	250	R901-048250-00
R900-048300-00	4,8	300	R901-048300-00
R900-048350-00	4,8	350	R901-048350-00

Adapter
Adapters
Adaptadores

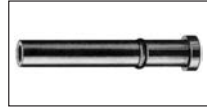


Adapter zu Lichtquelle
Adapters to light source
Adaptador a la fuente de luz

INNEN - IN - INTERIOR



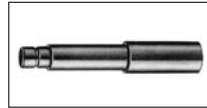
R900-000000-01
Storz / Aesculap



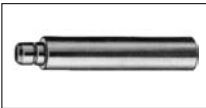
R900-000000-11
Fuji



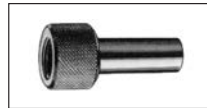
R900-000000-03
Wolf / Henke Sass /
Dyonics / Medicon /
Comeg



R900-000000-13
Heine-Optotechnik



R900-000000-05
ACM / British /
Codman



R900-000000-15
Winter+IBE



R900-000000-07
Olympus



R900-000000-21
MLW



R900-000000-09
Pentax



R900-000000-31
Volpi / Schöilly /
RFO



Adapter zu Endoskope
Adapter to Endoscope-side
Adaptador al endoscopio

AUSSEN - OUT - EXTERIOR



R900-000000-02
Storz / Winter+IBE /
Aesculap / Olympus



R900-000000-06
ACM / British /
Codman



R900-000000-04
Wolf

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STIRNLAMPEN

HEAD LIGHTS

LÁMPARAS FRONTALES



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Indikationen und Kontraindikationen finden Sie in der entsprechenden Gebrauchsanweisung!

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Nystagmusbrille
Nystagmus Spectacles
Anteojos para nistagmo



FRENZEL

03167-03

Beleuchtete Nystagmusbrille
mit querliegendem Batterie-
handgriff und festen Gläsern

03167-03

Nystagmus Spectacles for
observation of the eyes during
examination of the vestibular
apparatus, with battery handle
and fixed glasses. Illuminated
on inside of lenses.

03167-03

Anteojos para nistagmo, con
iluminación, con mango para
pilas en forma horizontal,
vidrios fijos,

Energiequelle:

2 Stück 4-Volt-Lämpchen
2 Stück Baby-Zellen 1.5 V

Source of energy:

2 bulbs 4-volt
2 baby-battery cells 1.5 V

Alimentación:

2 unidades de bombillas de
4 voltios
2 unidades de pilas de
1.5 voltios



03165-07

Ersatzlampe
Spare bulb
Bombilla de repuesto

Stirnspiegel
Head Mirror
Espejos frontales



03180-93
ø 90 mm



ZIEGLER
03180-90
compl.



03180-92

03180-90
Ziegler-Stirnspiegel,
komplett, mit schwarzem
Stirnreifen,
mit Kugelgelenk,
90 mm ø

03180-90
Ziegler Head Mirror,
complete with black head
band, with ball socket,
90 mm ø

03180-90
Ziegler espejo frontal,
completo con cinta negra,
con articulación,
90 mm ø

03180-92
Stirnreifen, allein

03180-92
head band, only

03180-92
cinta, suelta

03180-93
Spiegel, allein
90 mm ø

03180-93
Mirror, only
90 mm ø

03180-93
Espejo, suelto
90 mm ø

HNO Stirnleuchte
Miniature Headlight
Lampara frontal mini



03192-00

Fiberoptische Miniaturstirnleuchte für den OP-Bereich. Miniatur-Hochleistungs-Optik, Faserbündel- \varnothing 3,5 mm, heller / homogener Lichtfleck, ledergepolstertes Stirnband mit seitlichen Kopfstützen und Stellrad. Lieferung ohne Adapter für Lichtquelle.

03192-00

Fibre Optic miniature headlight for operation theatre. Perfect view by very small optic. The fibre bundle diameter of 3.5 mm and the double lens system effects a small and homogenous light spot with lateral head supports. Easily adjustable by hand wheel. Supplied without adapter for light source.

03192-00

Frontal de luz fría para profunda e intensiva iluminación. El cable de fibra optica de 3,5 mm de diametro y su sistema de doble lente ofrece una iluminacion clara y homogénea haz de luz con soportes laterales. Facilmente ajustable con el sistema de rueda. Suministrado sin adaptador para fuente de luz.



03192-01

wie 03192-00, aber Projektorseite 90°
same as 03192-00, but projector side 90° angled
como 03192-00, pero terminal para proyector angulado en 90°



03193-20

Adapter
Adapter
Adaptador

HNO Stirnleuchte, Kaltlicht
Headlight Microfocus, Fibre Optic
Lampara frontal mini, luz fria



03193-00

Stirnlampe mit stufenlos variablem Mikrofokus zur blendfreien Tiefenausleuchtung. Durch kleinen Lichtaustritt und verstellbarer Kleinoptik optimales Sichtfeld. Komplett mit 2,2 m F/O-Kabel (Faserbündel- \varnothing 3,5 mm) und ledergepolstertem Kopfbügel-Stirnreif. Ohne Adapter für Lichtquelle.

03193-00

Headlight with stepless variable micro focus for intensive depth illumination. Very small focus. 2.2 m F/O cable (fibre bundle \varnothing 3.5 mm). Ergonomic and leather padded headband with crossband. Supplied without adapter for light source.

03193-00

Frontal de luz con focus variable y progresion continua con cable de 2,2 m largo y 3,5 mm de diámetro. Cabezal recubierto de piel e ergonómico. Se suministra sin adaptador para fuente de luz.



03193-01

wie 03193-00, aber Projektorseite 90°
same as 03193-00, but projector side 90° angled
como 03193-00, pero terminal para proyector angulado en 90°



03193-20

Adapter
Adapter
Adaptador

Stirnlampe
Head Light
Lámpara frontal



CLAR
03195-00

komplett mit Stirnstreifen und Kabel
complete with head band and cable
completo con cinta frontal y cable



03195-01
ø 55 mm



03195-06
6 Volt

Spiegel aus Glas ohne Fassung
Glass Mirror without frame
Reflector de cristal, sin montura



03195-07 Kleintransformator
220 Volt = 0 - 10 Volt / 3 Watt
Mini-Transformer Unit
Transformador eléctrico pequeño

03195-08 Kleintransformator
110 Volt = 0 - 10 Volt / 3 Watt
Mini-Transformer Unit
Transformador eléctrico pequeño

Stirnlampe
Head Light
Lámpara frontal

03194-00

Xenon Stirnlampe mit Batteriebox
Xenon headlight with battery box
Lámpara frontal Xenon con caja para batería



03194-01

Ersatzlampe mit Reflektor
Spare lamp with reflector
Lámpara de repuesto con reflector

03196-00

Kabellose OP-LED-Stirnleuchte,
schwarz, mit Kopfbügel und Akku

Wireless OT-LED-Headlight,
black, with headband

Lámpara frontal LED, inalám-
brica, negra con cinta y batería



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BOHRER

BURRS

BROCAS



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Bohrer 70 mm, Schaft 2,35 mm
 Burrs, 70 mm, Shaft 2.35 mm
 Brocas, 70 mm, vástago 2,35 mm



Edelstahl
Stainless steel
Inoxidable



Diamant
Diamond
Diamante

Ø 0,60 mm	50236-06	
Ø 0,70 mm		50242-07
Ø 0,80 mm	50236-08	50242-08
Ø 1,00 mm	50236-10	50242-10
Ø 1,40 mm	50236-14	
Ø 1,50 mm		50242-15
Ø 1,80 mm	50236-18	50242-18
Ø 2,00 mm		50242-20
Ø 2,30 mm	50236-23	50242-23
Ø 2,50 mm		50242-25
Ø 2,70 mm		50242-27
Ø 3,00 mm		50242-30
Ø 3,10 mm	50236-31	
Ø 3,50 mm	50236-35	50242-35
Ø 4,00 mm	50236-40	50242-40
Ø 4,50 mm	50236-45	50242-45
Ø 5,00 mm	50236-50	50242-50
Ø 6,00 mm	50236-60	50242-60
Ø 7,00 mm	50236-70	50242-70

Bohrer 70 mm, Schaft 2,35 mm
 Burrs, 70 mm, Shaft 2.35 mm
 Brocas, 70 mm, vástago 2,35 mm



Hartmetall
Tungsten Carbide
Tungsteno

Hartmetall grob
Tungsten Carbide coarse
Tungsteno grueso

Ø 0,60 mm	50237-06	
Ø 0,70 mm		
Ø 0,80 mm	50237-08	
Ø 1,00 mm	50237-10	
Ø 1,40 mm	50237-14	
Ø 1,50 mm		
Ø 1,80 mm	50237-18	
Ø 2,00 mm		
Ø 2,30 mm	50237-23	
Ø 2,50 mm	50237-25	
Ø 2,70 mm	50237-27	
Ø 3,00 mm	50237-30	
Ø 3,10 mm		
Ø 3,50 mm	50237-35	50238-35
Ø 4,00 mm	50237-40	50238-40
Ø 4,50 mm	50237-45	50238-45
Ø 5,00 mm	50237-50	50238-50
Ø 6,00 mm	50237-60	
Ø 7,00 mm	50237-70	



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**HOCHFREQUENZ-
CHIRURGIE**

**HIGH FREQUENCY
SURGERY**

**CIRUGIA DE ALTA
FRECUENCIA**



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Hochfrequenz-Chirurgie
High Frequency Surgery
Electrocirugía

Mindestbestellmenge 10
Minimum order quantity 10
Cantidad minima 10



91010-01
Fig. 1



91010-02
Fig. 2 45°



91010-03
Fig. 3 120°



91010-11
Fig. 11
Ø 3 mm



91010-12
Fig. 12
Ø 5 mm



91010-13
Fig. 13
Ø 8 mm



91010-14
Fig. 14



91010-15
Fig. 15 45°
7,0x1,5 mm



91010-16
Fig. 16 45°
7 mm



91010-17
Fig. 17
6,0x1,3 mm



91010-18
Fig. 18 30°
7,0x1,7 mm



91010-21
Fig. 21
7,0x1,7 mm



91010-31
Fig. 31 45°
Ø 0,6 mm



91010-33
Fig. 33 45°
Ø 1,7 mm



91010-34
Fig. 34 45°
Ø 3,0 mm



91010-35
Fig. 35



91010-36
Fig. 36 90°

Schaft
shaft
vástago
Ø 2,4 mm

Mindestbestellmenge 10
 Minimum order quantity 10
 Cantidad minima 10

Hochfrequenz-Chirurgie
 High Frequency Surgery
 Electrocirugía



91011-51
 Fig. 51 45°
 Ø 3 mm



91011-52
 Fig. 52 45°
 7,0x1,7 mm



91011-53
 Fig. 53 45°



91011-54
 Fig. 54



91011-55
 Fig. 55



91011-56
 Fig. 56 45°
 Ø 5 mm



91011-61
 Fig. 61 45°



91011-62
 Fig. 62 90°

Schaft
 shaft
 vástago
 Ø 2,4 mm

Serie STANDARD



91020-01



91020-02

Schaft
 shaft
 vástago
 Ø 4 mm



91020-03



91020-04



Ø mm
 5 91022-05
 10 91022-10
 20 91022-20



Ø mm
 10 91024-10
 15 91024-15
 20 91024-20



Ø mm
 2 91030-02
 4 91030-04
 6 91030-06

Schaft
 shaft
 vástago
 Ø 4 mm

Bipolare Koagulation
 Bipolar Coagulation
 Coagulación bipolar



91102-11
 11 cm, 4 3/8"



91104-11
 11 cm, 4 3/8"



91109-11
 11 cm, 4 3/8"
 45°
 0.5 mm



91113-11
 11 cm, 4 3/8"
 45°
 0.5 mm



91115-11
 11 cm, 4 3/8"
 45°
 0.5 mm



91122-16
 16,5 cm, 6 1/2"
 0.5 mm



91123-16
 16,5 cm, 6 1/2"
 0.5 mm



91124-16
 16,5 cm, 6 1/2"
 1 mm



91125-16
 16,5 cm, 6 1/2"
 0.5 mm



91127-16
 16,5 cm, 6 1/2"
 1 mm

Bipolare Koagulation
Bipolar Coagulation
Coagulación bipolar



91142-16
16,5 cm, 6 1/2"
1 mm



91144-16
16,5 cm, 6 1/2"
0.5 mm



91146-16
16,5 cm, 6 1/2"
1 mm



91152-19
19,5 cm, 7 3/4"
0.3 mm



91154-19
19,5 cm, 7 3/4"
1 mm



91157-19
19,5 cm, 7 3/4"
1 mm



91159-19
19,5 cm, 7 3/4"
2 mm

Bipolare Koagulation
 Bipolar Coagulation
 Coagulación bipolar



91162-19
 19,5 cm, 7 3/4"
 0.3 mm



91164-19
 19,5 cm, 7 3/4"
 1 mm



91166-19
 19,5 cm, 7 3/4"
 2 mm



91167-19
 19,5 cm, 7 3/4"
 1 mm



91169-19
 19,5 cm, 7 3/4"
 1 mm



91172-03 - 91172-12
 22,5 cm, 8.9"



91172-03
 0,3 mm









91172-07
 0,7 mm



91172-12
 1,2 mm

Unit side

Instrument side

	Cable length Meter	Flat plug europe	
			
Erbe / Storz 12,5 mm Ø 	3	R065-040125-003	R065-040125-103
	5	R065-040125-005	R065-040125-105
Martin / Berchtold 8 mm Ø AESCULAP Wolf 	3	R065-020080-003	R065-020080-103
	5	R065-020080-005	R065-020080-105
Valleylab / Lamidey / EMC 	3	R065-040285-003	R065-040285-103
	5	R065-040285-005	R065-040285-105
2-Pin U.S. Standard Eschmann 	3	R065-040000-003	R065-040000-103
	5	R065-040000-005	R065-040000-105

Bipolare Koagulation
Bipolar Coagulation
Coagulación bipolar

NON STICK

gerade
straight
recta



	0,3 mm	0,5 mm	1,0 mm	2,0 mm
11,0 cm, 4 3/8"	91110-03N	91110-05N	91110-10N	
16,0 cm, 6 1/4"	91160-03N	91160-05N	91160-10N	91160-20N
18,0 cm, 7"		91180-05N	91180-10N	91180-20N
19,5 cm, 7 3/4"		91200-05N	91200-10N	91200-20N
22,0 cm, 8 3/4"			91220-10N	91220-20N
24,0 cm, 9 1/2"			91240-10N	
30,0 cm, 12"			91300-10N	91300-20N

abgewinkelt 45°
angled 45°
angulada 45°



	0,3 mm	0,5 mm	1,0 mm	2,0 mm
11,0 cm, 4 3/8"	91112-03N	91112-05N	91112-10N	
16,0 cm, 6 1/4"		91162-05N	91162-10N	
18,0 cm, 7"			91182-10N	91182-20N
19,5 cm, 7 3/4"		91202-05N	91202-10N	91202-20N
22,0 cm, 8 3/4"			91222-10N	91222-20N
24,0 cm, 9 1/2"			91242-10N	

NON STICK

Bipolare Koagulation
Bipolar Coagulation
Coagulación bipolar

bayonett gerade
bayonet straight
bayoneta recta



	0,3 mm	0,5 mm	1,0 mm	2,0 mm
16,0 cm, 6 ¼"	91166-03N	91166-05N	91166-10N	91166-20N
19,5 cm, 7 ¾"		91206-05N	91206-10N	91206-20N
22,0 cm, 8 ¾"		91226-05N	91226-10N	91226-20N
24,0 cm, 9 ½"		91246-05N	91246-10N	91246-20N

bayonett nach oben
bayonet upwards
bayoneta hacia arriba



	1,0 mm
19,5 cm, 7 ¾"	91207-10N
22,0 cm, 8 ¾"	91227-10N

bayonett nach unten
bayonet downwards
bayoneta hacia abajo



	0,5 mm	1,0 mm
16,0 cm, 6 ¼"	91168-05N	91168-10N
19,5 cm, 7 ¾"		91208-10N
22,0 cm, 8 ¾"		91228-10N

Bipolare Saugpinzetten
Bipolar Suction Forceps
Pinza de succión bipolar

Saugpinzetten zum Absaugen von Blut und Sekret vor der Koagulation bzw. zum Absaugen von Rauch während der Koagulation.

Europäischer Flachstecker zum Anschluß von bipolaren Kabeln für praktisch alle gebräuchlichen HF-Generatoren.

Der Saugkanal mit Unterbrecherloch ist in einem Schenkel der Pinzette integriert.

An der Schlaucholive können verschiedene Schlauchdurchmesser angeschlossen werden.

Suction forceps for extraction of blood and debris by suction right before coagulation or extraction of smoke while coagulating.

European flat socket connector for bipolar cables for nearly all common high frequency generators.

Suction channel integrated inside the forceps.

Suction connector matches different suction tube diameters.



91201-20S



Pinza de succión para sangre y líquidos antes de efectuar la coagulación como también para la eliminación de humo durante la coagulación.

Enchufe plano europeo para conectar cables bipolares de equipos de alta frecuencia en uso corrientemente.

El canal de succión con su agujero de interrupción está incorporado en un lado de la pinza.

El diseño de la oliva de conexión permite la adaptación de tubos de varios diámetros.

Monopolar Saugkoagulator
Monopolar Suction Coagulator
Coagulador de succión monopolar antiadherente

NON STICK

gerade, biegsam
straight, malleable
recta, maleable



91179-18N
18 cm, 7"

Bipolare Stichkoagulationselektrode
Bipolar Stitch Coagulation Electrodes
Electrodos de coagulación de puncion, bipolar



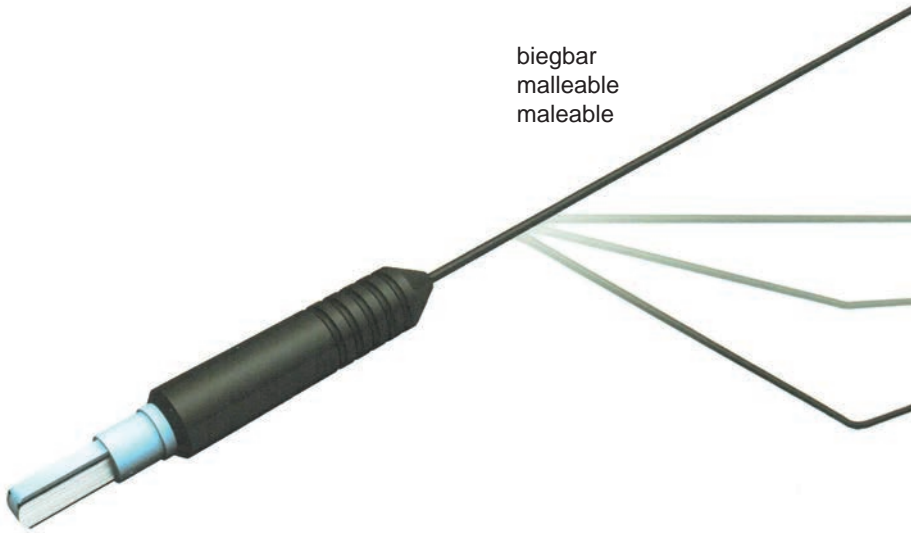
91176-19
19 cm, 7 1/2"
20°



91177-20
19,5 cm, 7 3/4"
55°



Bipolare Koagulationselektrode MICRODOME
Bipolar Coagulation Elektrode MICRODOME
Electrodo de coagulación bipolar MICRODOME



biegbar
malleable
maleable

91178-14
14 cm, 5 ½"

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OTOLOGIE

OTOLOGY

OTOLOGÍA



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Diagnostik-Bestecke mit Standardbeleuchtung
Diagnostic Sets with Standard Illumination
Estuches de diagnóstico con iluminación standard

UNI I



Nr. 03161-00

Weltbekanntes und preiswertes Otoskop mit Standardbeleuchtung 2,5 V. Besonders geeignet für Studenten und Ärzte.
Set bestehend: Aus **Otoskopkopf** verchromt, mit Steckverschluß. **Verchromter Batteriegriff 28 mm ø** für 2 Batterien Typ C. Mit abnehmbarem Abdeckglas in Kunststoff-Fassung mit Plastikconnector für den pneumatischen Test. Die verchromte Schwenklinse ist abnehmbar und vergrößert 4,0-fach. Die Lichtstärke kann anhand des Rheostates reguliert werden. Mit 3 wiederverwendbaren Ohrtrichtern 2, 3 und 4 mm ø. Komplett in silberfarbener Kunststofftasche.

No. 03161-00

World famous otoscope set at a budget price for physicians and students. 2,5 V standard illumination for use with 2 batteries type C.

Set includes: **Otoscope head** with pin contact fitting. Chrome-plated. Fixed protective lens in plastic mount may be removed for introduction of instruments. Plastic connector for pneumatic otoscopy. Removable swivel-mounted 4 x magnifier. 2, 3 and 4 mm reusable specula included. **Battery handle 28 mm ø** for 2 C-cell batteries. Chrome-plated. With thumb wheel for securing pin contact heads. With rheostat for adjustment of illumination. Complete in silver-colored plastic pouch.

No. 03161-00

Otoscopio muy popular y económico con iluminación standard 2,5 V apropiado para estudiantes y médicos, de fama mundial.

Cabeza otoscopio cromada, con cierre de tornillo. **Mango a pilas cromado 28 mm ø** para dos pilas tipo C. Con cristal de cubierto desmontable en armadura plástica. Con conector plástico para el test neumático. La lente giratoria es desmontable y amplifica 4,0 veces mas. La intensidad de la luz es regulable con el reostato. Con tres espejos reutilizables 2, 3 y 4 mm ø. Completo en bolsa de plástico de color gris plata.

Diagnostik-Bestecke mit Standardbeleuchtung
Diagnostic Sets with Standard Illumination
Estuches de diagnóstico con iluminación standard

UNI II



Nr. 03161-01

Weltbekanntes und preisgünstiges **May-Ophthalmoskop**: mit Standardbeleuchtung 2,5 V. Besonders für Studenten und Ärzte geeignet. Ophthalmoskop mit Steckverschluß. Anhand des Linsenrades können Korrekturlinsen von 0 bis +20 und 0 bis -20 Dioptrien gewählt werden. Mit einer Blende: großer Kreis. Mit verchromtem **Batteriegriff**: 28 mm ø für 2 Batterien Typ C. Die Lichtstärke kann anhand des Rheostates reguliert werden. Komplett in silbergrauer Kunststofftasche.

No. 03161-01

World-famous ophthalmoscope set at a budget price for physicians and students. 2,5 V standard illumination for use with 2 batteries Type C. Set includes: **May ophthalmoscope head**: Pin contact fitting. Lens selection wheel permits choice of corrective lenses from 0 to +20 and 0 to -20 diopters. Single large circle aperture. **Battery handle**: 28 mm ø for 2 C-cell batteries. Chrome-plated. With thumb wheel for securing pin-contact heads. Rheostat for adjustment of illumination. Complete in silver-gray plastic pouch.

No. 03161-01

Oftalmoscopio May: muy popular y económico con iluminación standard 2,5 V, apropiado para estudiantes y médicos de fama mundial. Oftalmoscopio con cierre de tornillo. Con ayuda de la rueda de lentes se puede elegir lentes de corrección de 0 a +20 y 0 a -20 dioptrías. Y con una apertura: gran círculo. Con **mango a pilas**: cromado 28 mm ø para dos pilas tipo C. La intensidad de la luz es regulable con el reostato. Completo en bolsa de plástico de color gris plata.

Diagnostik-Bestecke mit Standardbeleuchtung
Diagnostic Sets with Standard Illumination
Estuches de diagnóstico con iluminación standard

UNI III



Nr. 03161-02

Weltbekanntes diagnostisches Besteck mit Standardbeleuchtung 2,5 V. Äußerst beliebt und sehr preiswert. Besonders geeignet für Studenten und Ärzte. Das Set besteht aus folgenden Teilen: **Otoskopkopf** verchromt, mit Steckverschluß. Abnehmbares Abdeckglas in Kunststofffassung, mit Plastikconnector für pneumatischen Test. Abnehmbarer Schwenklinse (Vergrößerung 4,0-fach). 3 wiederverwendbaren Ohrtrichtern 2, 3 und 4 mm ø. **May-Ophthalmoskop** mit Steckverschluß. Anhand des Linsenrades können Korrekturlinsen von 0 bis +20 und 0 bis -20 Dioptrien gewählt werden. Mit einer Blende: großer Kreis. **Batteriegriff** verchromt, 28 mm ø für 2 Batterien Typ C. Die Lichtstärke kann anhand des Rheostates am Batteriegriff reguliert werden. Alle Teile komplett in silbergrauer Kunststofftasche.

No. 03161-02

World-famous otoscope/ophthalmoscope diagnostic set at a budget price for physicians and students. 2,5 V Standard illumination for use with 2 batteries type C. Set includes: **Otoscope head** - Pin contact fitting. Chrome-plated. Fixed protective lens in plastic mount may be removed for introduction of instruments. Plastic connector for pneumatic otoscopy. Removable swivel-mounted 4 x magnifier. 2, 3 and 4 mm reusable specula included. **May ophthalmoscope head**. Pin contact fitting. Lens selection wheel permits choice of corrective lenses from 0 to +20 and 0 to -20 diopters. Single large circle aperture. **Battery handle**. 28 mm ø for 2 C-cell batteries. Chrome-plated. With thumb wheel for securing pin-contact heads. Rheostat for adjustment of illumination.

No. 03161-02

Este estuche de diagnóstico con iluminación standard 2,5 V es muy popular y muy económico, apropiado para estudiantes y médicos. Juego, compuesto de: **Cabeza otoscopio** cromado, con cierre de tornillo. Con cristal de cubierto en armadura plástica, con conector plástico para el test neumático. Con lente giratorio desmontable (amplificación: 4 veces más). **Cabeza oftalmoscopio May** con cierre de tornillo. Con ayuda de la rueda de lentes se puede elegir lentes de corrección de 0 a +20 y 0 a -20 dioptrías. Con una apertura: gran círculo. **Mango a pilas** cromado, 28 mm ø para dos pilas tipo C. La intensidad de la luz es regulable con el reostato al tope del mango. Todos los partes se presentan en una bolsa plástica de color gris plata.

Diagnostik-Bestecke mit Standardbeleuchtung
Diagnostic Sets with Standard Illumination
Estuches de diagnóstico con iluminación standard



ECO "T" 03161-03T

- a) Otoskop, mit Schraubverschluss und 3 Ohrtrichtern, 2-3-4 mm
Otoscope with screw fitting and 3 ear speculas with, 2-3-4 mm
Otoscopio, con cierre a tornillo y con 3 espéculos auriculares de 2-3-4 mms
- b) Ophthalmoskop, 0 bis +20 und 0 bis -20 Dioptrien, mit Schraubverschluss
Ophthalmoscope from 0 to +20 and 0 to -20 dioptres with screw fitting
Ofthalmoscopio, 0 a + 20 y 0 a - 20 dioptrías, con cierre a tornillo
- c) Nasenspekulum
Nasal Speculum
Espéculo nasal
- d) Lampenträger mit Schraubverschluss
Bent arm illuminator with screw fitting
Porta-lámpara, con cierre a tornillo
- e) 2 Kehlkopfspiegel No. 3 und 4
2 laryngeal mirrors no. 3 and 4
Espejos laringeos Nos. 3 y 4
- f) Mundspatelhalter
Tongue blade holder
Abaja-lenguas
- g) Batteriegriff für 2 Batterien mit Schraubverschluss (ohne Batterien)
Battery handle for 2 batteries
Mango para 2 pilas, con cierre a tornillo (sin pilas)
- h) Ersatzlämpchen 2.5 V
Spare lamp 2.5 V
Bombillo de repuesto 2.5 V

ECO "C" 03161-03C

Inhalt gleich wie oben, mit drehbarem Schnellverschluss.
Contens same as above, but with quick plug-in connector.
Mismo contenido como arriba pero con CIERRE RAPIDO GIRATORIO.

Diagnostik-Bestecke mit Xenonbeleuchtung
Diagnostic Sets with Xenon Illumination
Estuches de diagnóstico con iluminación Xenon



RI-MINI

Kleine, sehr moderne Qualitätsinstrumente aus Kunststoff, grau, mit Xenonbeleuchtung XL 2,5 V. Sehr preiswert und aufgrund der Größe besonders gut für die Arzttasche geeignet. Schraubverschluss. **Otoskop:** Fiber-Optik. Anschluß für pneumatischen Test. Lupe vergrößert 2,5-fach. Batteriegriff für 2 Batterien Typ AA. **Ophthalmoskop:** Korrekturlinsen: 0 bis +20 und 0 bis -20 Dioptrien. Blenden: Kreis groß + klein, Halbkreis, Fixierstern und Grünfilter. Griff für 2 Batterien Typ AA. Das Otoskop- und das Otoskop/Ophthalmoskop-Besteck werden jeweils mit einem Metallkonnector für pneumatischen Test und Plastikröhrchen mit jeweils 5 wiederverwendbaren Ohrtrichtern 2,5 und 4,0 mm geliefert. Komplett in modernem schwarzen Kunststoffetui.

Nr. 03171-00 - Otoskop mit Griff AA.

Nr. 03171-01 - Ophthalmoskop mit Griff AA.

Nr. 03171-02 - Otoskop/Ophthalmoskop jeweils mit Griff AA.

Economically priced state-of-the-art quality instrument made of plastics, gray color, with Xenon illumination XL 2,5 V. Due to its small size it is most suitable for each practitioner's bag. **Otoscope:** Fiber optic. Screw type fitting. 2,5 x magnifying glass. Battery handle for 2 AA-cell batteries. **Ophthalmoscope:** Corrective lenses ranging from 0 to +20 and 0 to -20 diopters. Apertures: large and small circle, semi-circle, fixation star and green filter. Otoloscope and otoscope/ophthalmoscope set each contain a metal connector for pneumatic otoscopy as well as plastic tube with 5 each reusable ear specula 2,5 and 4,0 mm. All sets come in modern black plastic case.

No. 03171-00 - Otoloscope with AA-handle.

No. 03171-01 - Ophthalmoscope with AA-handle.

No. 03171-02 - Otoloscope/ophthalmoscope with 1 each AA-handle.

Instrumentos de calidad, muy moderno y pequeño de plástico resistente, gris, con iluminación Xenon XL 2,5 V. Muy económico y gracias al tamaño apropiado para el bolsillo del médico. Cierre roscado. **Otoscopio:** fibra óptica. Conexión para test neumático. Lupa aumenta 2,5 veces más. Mango a pilas para 2 pilas, tipo AA. **Oftalmoscopio:** Lentes de corrección: 0 hasta +20 y 0 hasta -20 dioptrías. Aberturas: círculo grande y pequeño, semicírculo, estrella fijadora y filtro verde. Con mango para 2 pilas, tipo AA. Juego de otoscopio y de otoscopio/oftalmoscopio con conector metálico para el test neumático y con 5 espéculos reutilizables de 2,5 y 4,0 mm en tubo de plástico. Todos los juegos se presentan en estuche de plástico negro moderno.

No. 03171-00 - Otoscopio con mango AA.

No. 03171-01 - Oftalmoscopio con mango AA.

No. 03171-02 - Oto/oftalmoscopio con mangos AA.

Ohrspekula
Ear Specula
Espéculos auriculares



POLITZER
45009-00
Set = 3

- Innen Ø
- = 2,0 mm
45009-02
 - = 3,0 mm
45009-03
 - = 4,0 mm
45009-04



HARTMANN
45010-00
Set = 4,5 - 7,5 mm

- Innen Ø
- = 2,0 mm
45010-20
 - = 3,0 mm
45010-30
 - = 4,5 mm
45010-45
 - = 5,5 mm
45010-55
 - = 6,5 mm
45010-65
 - = 7,5 mm
45010-75



HARTMANN
45011-00
Set 3-7 mm

- schwarz
black
negro
- Innen Ø
- = 2,0 mm
45011-03
 - = 3,5 mm
45011-04
 - = 5,0 mm
45011-05
 - = 6,5 mm
45011-07
 - = 7,5 mm
45011-08



TOYNBEE
45012-00
Set = 5,5 - 7,5 mm

- Innen Ø
- = 4,0 mm
45012-40
 - = 5,5 mm
45012-55
 - = 6,5 mm
45012-65
 - = 7,5 mm
45012-75



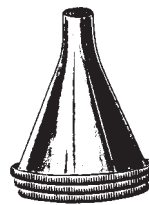
GRUBER, rund
45014-00
Set = 4

- Innen Ø
- = 4,5 mm
45014-45
 - = 5,5 mm
45014-55
 - = 6,5 mm
45014-65
 - = 7,5 mm
45014-75



GRUBER, oval
45015-00
Set = 3

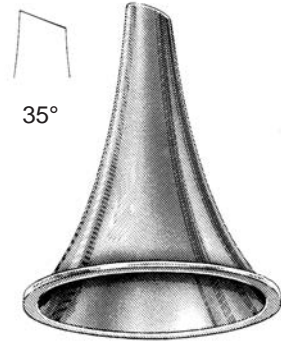
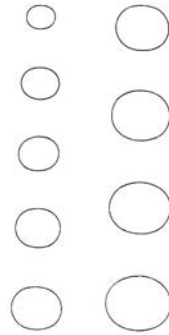
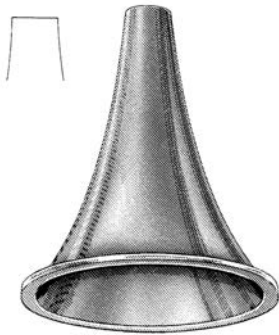
- Innen Ø
- = 4,5 mm
45015-45
 - = 5,5 mm
45015-55
 - = 6,5 mm
45015-65



BOUCHERON
45018-00
Set = 4

- Innen Ø
- = 5,0 mm
45018-50
 - = 6,0 mm
45018-60
 - = 7,0 mm
45018-70
 - = 8,0 mm
45018-80

Ohrspekula
Ear Specula
Espéculos auriculares



FARRIOR

45019-30	3,0 x 4,0 mm
45019-40	4,0 x 5,0 mm
45019-45	4,5 x 5,5 mm
45019-50	5,0 x 6,0 mm
45019-55	5,5 x 6,5 mm
45019-60	6,0 x 7,0 mm
45019-65	6,5 x 7,5 mm
45019-70	7,0 x 8,0 mm
45019-75	7,5 x 8,5 mm

FARRIOR

45020-30	3,0 x 4,0 mm
45020-40	4,0 x 5,0 mm
45020-45	4,5 x 5,5 mm
45020-50	5,0 x 6,0 mm
45020-55	5,5 x 6,5 mm
45020-60	6,0 x 7,0 mm
45020-65	6,5 x 7,5 mm
45020-70	7,0 x 8,0 mm
45020-75	7,5 x 8,5 mm

Ohrspekula
Ear Specula
Espéculos auriculares

6,5 mm



45030-06

7,5 mm



45030-07

8,2 mm

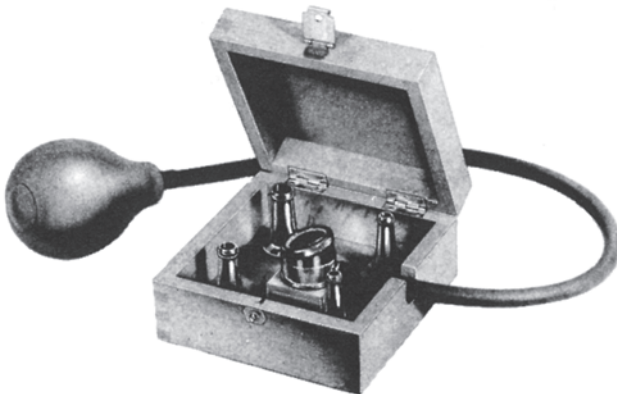


45030-08

10 mm



45030-10



BRUENINGS
45030-04

45030-04

Komplett bestehend aus:
4 Spekula, Saugkammer mit
Gebläse, Holzetui

Complete consisting of:
4 specula, suction head and rubber
tube with bulb, wooden case

Compuesto de:
4 espéculos, cámara de aspiración,
insuflador de goma, en estuche de
madera

Ersatzteile / spare parts / repuestos

45036-09

Lupe / Magnification glass / lupa

45036-10

Saugpumpe / rubber ball / pera de
goma

Ohrspekula
Ear Specula
Espéculos auriculares



7,5 mm Ø



45036-06



8,5 mm Ø



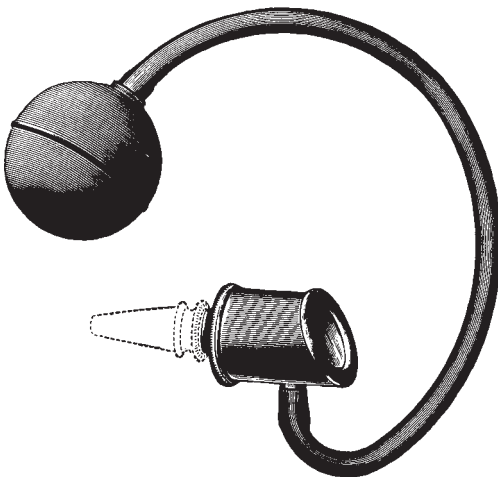
45036-07



9,5 mm Ø



45036-08



SIEGLE
45036-03

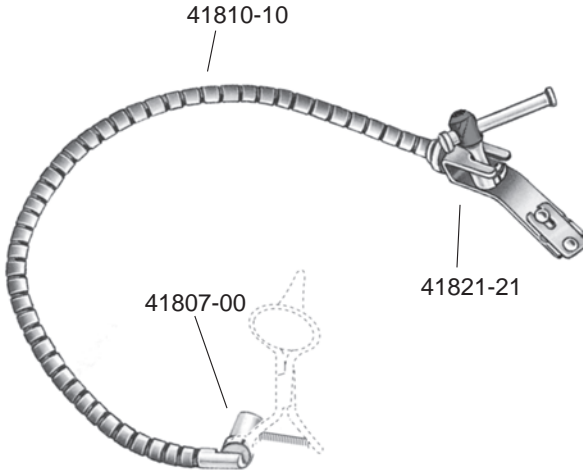
45036-03

Komplett bestehend aus:
Ohrspekulum, 3 Spekula, 1 Gebläse

Complete consisting of:
Ear Specula, 1 rubber tube with bulb

Completo, compuesto de:
Otoscopio con 3 espéculos, insuflador y tubo

Ohrspekulahalter
Ear Specula Holder
Soporte para espejos auriculares



YASARGIL

41803-01 Ohrspekulahalter, komplett, bestehend aus:
ear specula holder, complete, consisting of:
soporte para espejos auriculares completo, compuesto de:

41810-10 flexibler Spannarm
flexible arm, only
brazo flexible, suelto

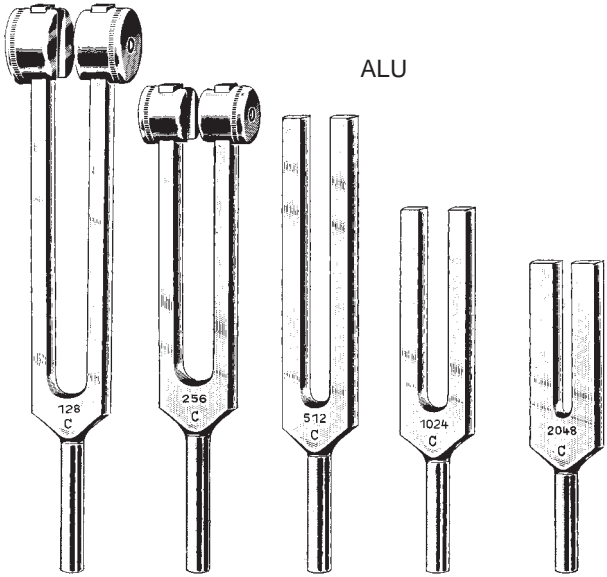
41821-21 Fixiervorrichtung zum Befestigen an Rohrteilen bis \varnothing 16 mm
clamp for fixation on bars up to \varnothing 16 mm
dispositivo de fijacion para tubos hasta \varnothing 16 mm



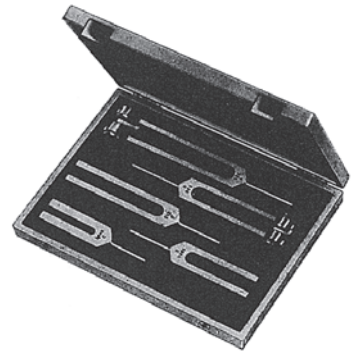
41807-00
Ohrspekulahalter alleine
Ear specula holder only
Soporte para espejos auriculares, suelto

Stimmgabeln
Tuning Forks
Diapasones

ALU

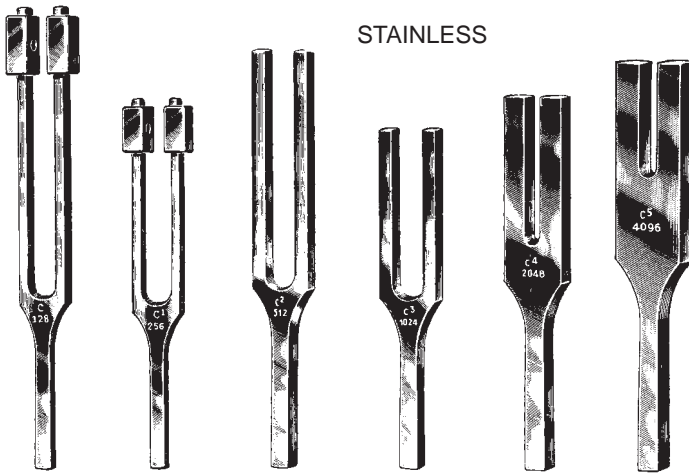


45060-01 C 128
45060-02 C¹ 256
45060-03 C² 512
45060-04 C³ 1024
45060-05 C⁴ 2048



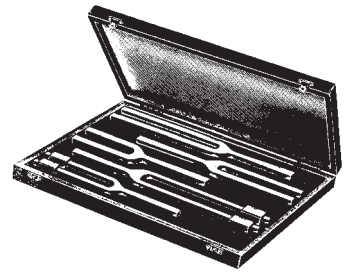
45061-00
compl.

STAINLESS



45070-01 C 128
45070-02 C¹ 256
45070-03 C² 512
45070-04 C³ 1024
45070-05 C⁴ 2048
45070-06 C⁵ 4096

HARTMANN



HARTMANN
45071-00
compl.

Stimmgabeln
Tuning Forks
Diapasones



45072-01
a¹ 440

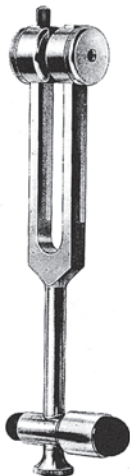


LUCAE

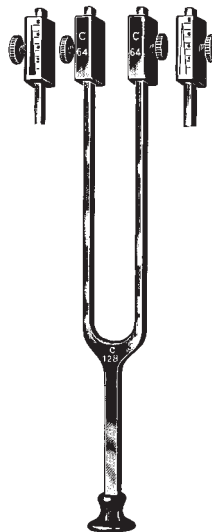
- 45073-01 C 128
- 45073-02 C¹ 256
- 45073-03 C² 512
- 45073-04 C³ 1024
- 45073-05 C⁴ 2048
- 45073-06 C⁵ 4096



LUCAE
45074-01
C 128



45075-00

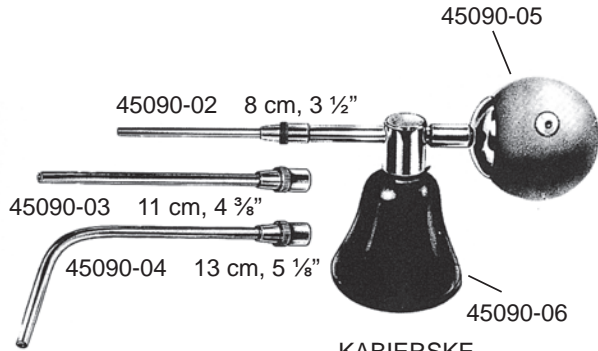


RYDEL-SEIFFERT
45076-01 C 128 / C 64

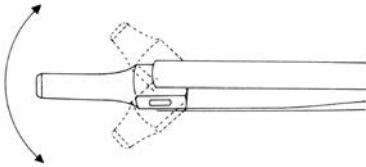
Lärntrommel, Pulverbläser
 Noise Apparatus, Powder Blowers
 Ensordecedor, Lanzapolvo



BARANY
 45080-00



KABIERSKE
 45090-00 30 ccm
 komplett mit 3 Kanülen und Gummiball
 complete with 3 cannulas and rubber bulb
 completo con 3 cánulas y pera de goma



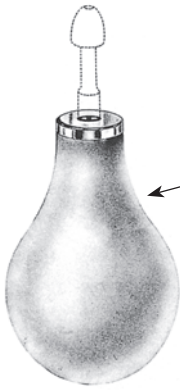
UNIVERSAL
 45090-08

komplett mit beweglicher Düse,
 Schraubflasche 30 ccm und Halbgebläse

complete with movable tube, screw bottle
 30 ccm and rubber bulb

completo con tubo móvil, botella con rosca de
 30 ccm y pera de goma

Luftdusche, Ohrspritze
Air Bag, Ear Syringe
Insuflador de aire, Jeringa auricular



45091-02
Gummibirne alleine
Rubber bulb only
Pera de goma, sola



45091-03



45091-04
4 mm Ø



45091-15
15 mm Ø



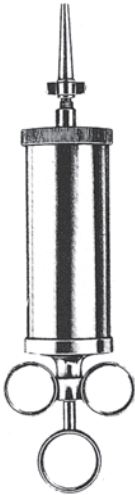
45091-17
17 mm Ø



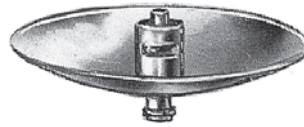
45091-22
22 mm Ø

POLITZER
45091-00 Set
incl.
45091-03
45091-15
45091-17
45091-22

POLITZER
45091-01 Set
incl.
45091-03
45091-04
45091-15
45091-17
45091-22



ml REINER, compl.
50 45096-50
75 45096-75
100 45097-10
150 45097-15



45097-01

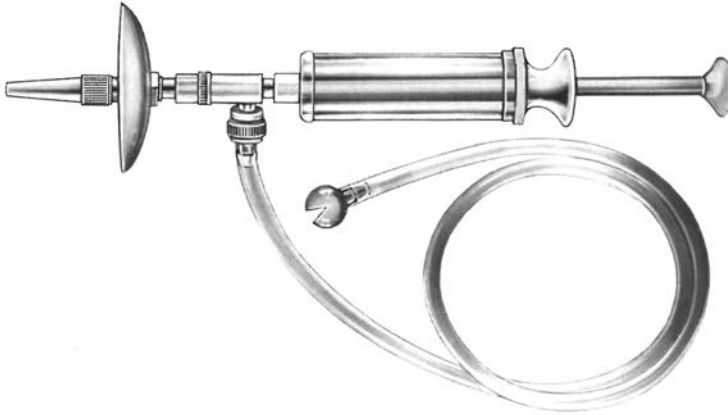


45097-02



45097-03

Ohrspritze
Ear Syringe
Jeringa auricular



45096-00

Ohrspritze komplett, 10 ml selbstfüllend mit Luer-Lock Ansatz
Ear syringe, 10 ml one hand filling and emptying, Luer-Lock attachment
Jeringa auricular, 10 ml, con conexión Luer-Lock

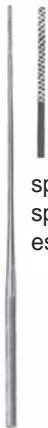
Ohrsonden, Watteträger
 Ear Probe, Cotton Applicators
 Sondas auriculares, Porta-algodones

ø 1 mm
 Silber



STACKE
 21115-10
 10,5 cm 4.1"

ø 1,2 mm



spiralförmig
 spiral threads
 estrías espirales

FARRELL

4 ¾"	21270-12	12,0 cm
5 ½"	21270-14	14,0 cm
6 ½"	21270-16	16,5 cm

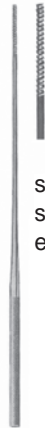
ø 1,2 mm



FARRELL

21272-12	12,0 cm
21272-14	14,0 cm
21272-16	16,5 cm

ø 1 mm



spiralförmig
 spiral threads
 estrías espirales

FROHN

4 ¾"	21277-12	12,0 cm
5 ½"	21277-14	14,0 cm
6 ¼"	21277-16	16,0 cm

Watteträger
Cotton Applicators
Porta-algodones



spiralförmig
spiral threads
estrias espirales

REDA

21290-12 12,0 cm, 4 ¾"
21290-14 14,0 cm, 5 ½"
21290-16 16,0 cm, 6 ¼"



REDA

21292-12 12,0 cm, 4 ¾"
21292-14 14,0 cm, 5 ½"
21292-16 16,0 cm, 6 ¼"

ø 1,3 mm



UCKERMANN
21310-15 15 cm, 6"

ø 3 mm



JOBSON-HORNE
21320-12 12 cm, 4 ¾"
21320-18 18 cm, 7"

Löffel, Schlingen, Hebel
Ear Spoons, Loops, Elevator
Cucharas, Asas, Elevador



GROSS
45171-12
12 cm, 4 $\frac{3}{4}$ "



GROSS
45173-12
12 cm, 4 $\frac{3}{4}$ "



BILLEAU
16 cm, 6 $\frac{1}{4}$ "



LANGENBECK
45181-13
13 cm, 5 $\frac{1}{8}$ "

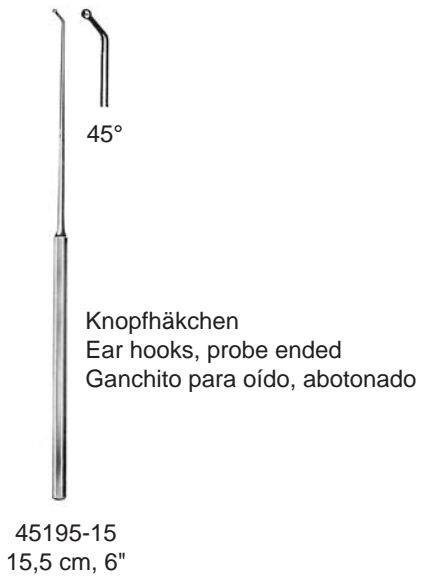
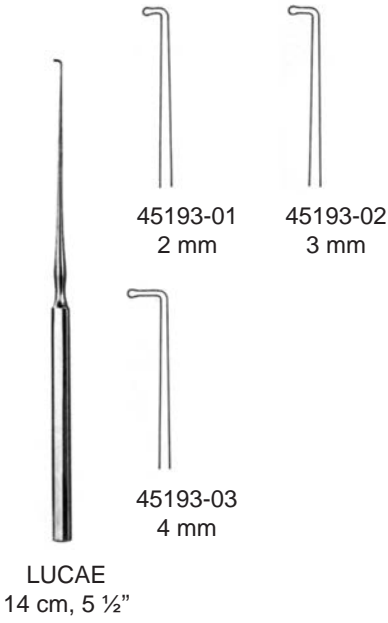
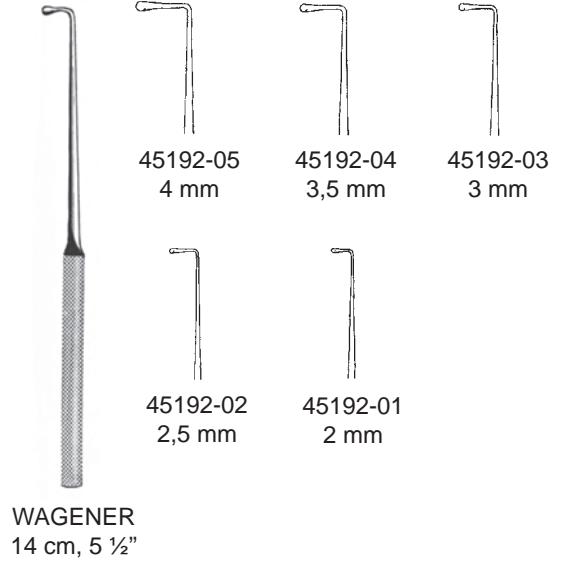
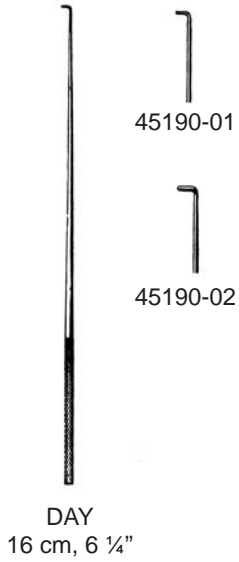


ZAUFAL
45184-16
16 cm, 6 $\frac{1}{4}$ "



ZAUFAL-JANSEN
45185-15
15 cm, 6"

Häkchen
Ear Hooks
Ganchitos



Ohrschlingen
Ear Loops
Lazos auriculares



45194-01



45194-02



45194-03



45194-04



SHAPLEIGH
13 cm, 5 1/8"



45195-00



45195-01











45195-02



WEBER-LOCH
16 cm, 6 1/4"








Ohrküretten
 Ear Currettes
 Curetas auriculares

	Innen Ø Inner Ø interior Ø	1.5 mm	1.9 mm	2.5 mm	2.7 mm
Küretten Currettes Curetas					
		Fig. 00	0	1	2
stumpf blunt romas		45109-00	45110-00	45110-01	45110-02
scharf sharp cortantes		45111-00	45112-00	45112-01	45112-02
stumpf blunt romas		45114-00	45115-00	45115-01	45115-02
scharf sharp cortantes		45116-00	45117-00	45117-01	45117-02



BUCK
 14,5 cm, 5 3/4"

Ohrküretten
Ear Currettes
Curetas auriculares

	Innen Ø Inner Ø interior Ø	3.4 mm	4.0 mm	4.5 mm
Küretten Currettes Curetas				
		3	4	5
stumpf blunt romas		45110-03	45110-04	45110-05
scharf sharp cortantes		45112-03	45112-04	45112-05
stumpf blunt romas		45115-03	45115-04	45115-05
scharf sharp cortantes		45117-03	45117-04	45117-05

BUCK
14,5 cm, 5 3/4"

Ohrkatheter, Trommelfellnadel
 Catheters, Tympanum Knives
 Cateteres, agujas para timpano

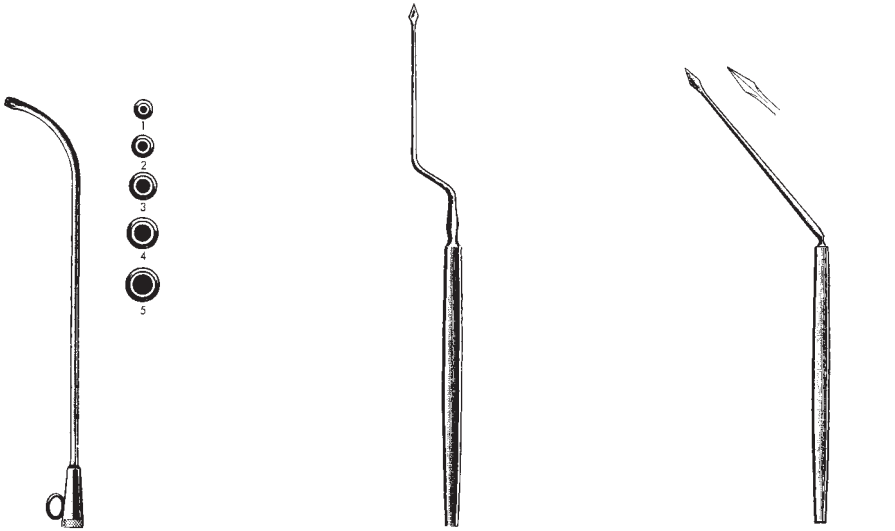


Fig. HARTMANN
 1 45133-01 2,5 mm
 2 45133-02 3,0 mm
 3 45133-03 3,5 mm
 4 45133-04 4,0 mm
 5 45133-05 5,0 mm

POLITZER
 45150-18
 18 cm, 7"

POLITZER
 45151-16
 16,5 cm, 6 ½"



für Kinder
 for children
 para niños

LUCAE
 45152-01
 18 cm, 7"

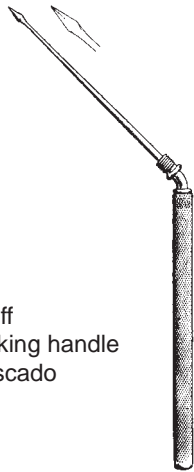


für Erwachsene
 for adults
 para adultos

LUCAE
 45152-02
 18 cm, 7"

Trommelfellnadel
Tympanum Knives
Cuchillos para timpano

mit Schraubgriff
with screw-locking handle
con mango roscado



POLITZER
45153-16
16 cm, 6 1/4"



POLITZER
45160-15
15 cm, 6"



SEXTON
45162-18
18 cm, 7"



SEXTON
45164-17
17 cm, 6 3/4"

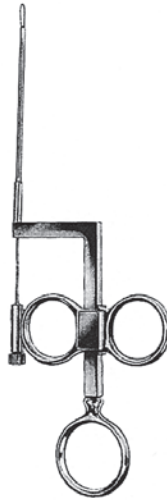


SEXTON
45165-17
17 cm, 6 3/4"

Ohrpolypenschnürer
Ear Polypus Snares
Polipotomos auriculares



KRAUSE
45220-16
16 cm, 6 1/4"



WILDE
45222-17
17 cm, 6 3/4"

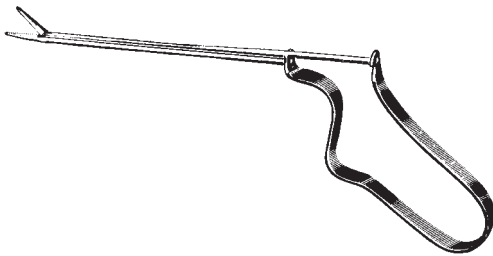


45225-02
doz./doc./dozz.
0,2 mm

Fremdkörperheber
Foreign Body Levers
Elevadores para cuerpos extraños

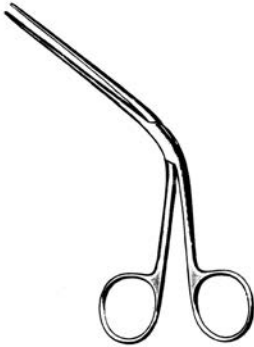


QUIRE
45251-10
10 cm, 4"



BUCK
45253-11
11 cm, 4 ³/₈"

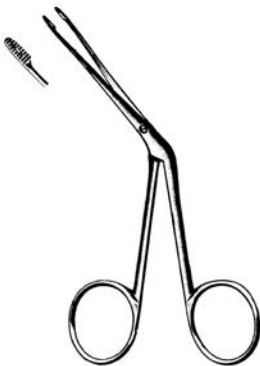
Ohrzängchen
Ear Forceps
Pinzas auriculares



TILLEY
45243-14
14 cm, 5 1/2"



LITTAUER
45245-12
12 cm, 4 3/4"

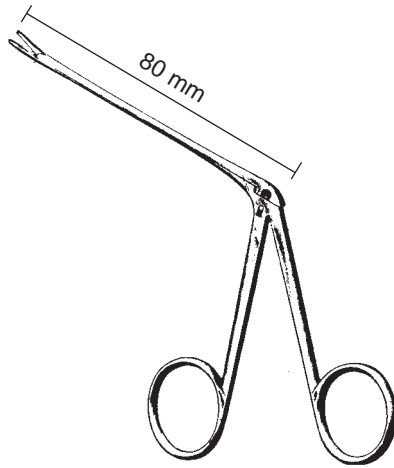


HARTMANN
45246-12
12 cm, 4 3/4"



HARTMANN
45246-14
14 cm, 5 1/2"

Mikro Ohrzängchen
 Micro Ear Forceps
 Micro pinzas auriculares



HARTMANN-WULLSTEIN
 45255-08
 8,5 cm, 3.4"

o 1 mm Ø



HARTMANN-WULLSTEIN
 45257-08
 8,5 cm, 3.4"



HARTMANN
 45261-08 8,5 cm, 3.4"
 45261-14 14,0 cm, 5 1/2"
 45261-16 16,0 cm, 6 1/4"



HARTMANN
 45263-08 8,5 cm, 3.4"
 45263-14 14,0 cm, 5 1/2"

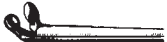


HARTMANN
 45265-08
 8,5 cm, 3.4"



Ø mm **HARTMANN**
 2,0 45267-20 8,5 cm, 3.4"
 2,5 45267-25 8,5 cm, 3.4"
 3,0 45267-30 8,5 cm, 3.4"

3 mm Ø



HARTMANN
 45269-30
 8,5 cm, 3.4"



STRUEMPEL
 45271-08 8,5 cm, 3.4"
 2,5x5 mm



HARTMANN
 45273-08
 8,5 cm, 3.4"

o 2 mm Ø



HARTMANN-WEINGÄRTNER
 45274-08
 8,5 cm, 3.4"

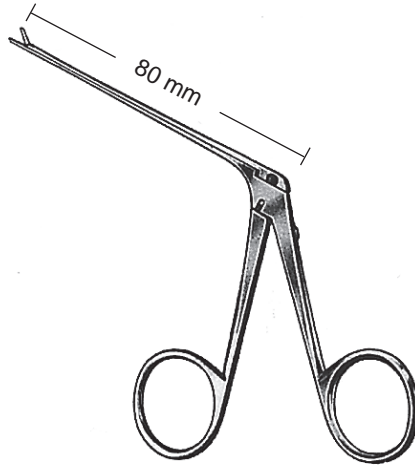


HARTMANN-HOFFMANN
 45275-08
 8,5 cm, 3.4"



45276-08 Entenschnabel
 14 cm, 5 1/2" Duckbill
 Pico de pato

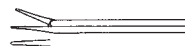
Mikro Ohrzängchen
 Micro Ear Forceps
 Micro pinzas auriculares



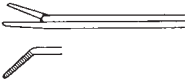
A
 45350-40
 0,9 x 4 mm



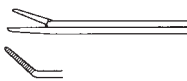
A
 45350-70
 0,9 x 7 mm



A
 45352-40
 0,9 x 4 mm



C
 45353-60
 0,9 x 6 mm



B
 45355-60
 0,9 x 6 mm



D
 45357-40
 0,9 x 4 mm



E
 45359-40
 0,9 x 4 mm

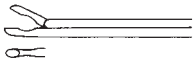
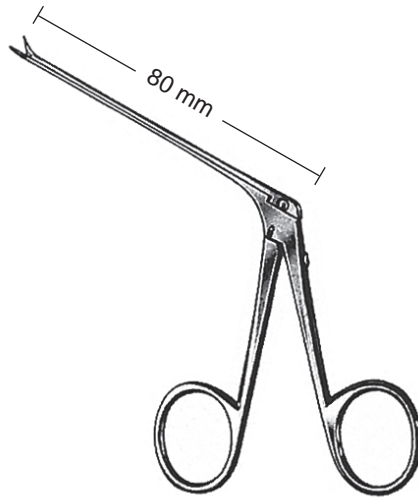


A
 45360-35
 0,6 x 3 mm

extra zart
 very delicate
 muy fina

- A:** gerade / straight / recta
- B:** rechts / right / derecha
- C:** links / left / izquierda
- D:** aufgebogen / curved up / curva hacia arriba
- E:** nach unten gebogen / curved down / curva hacia abajo

Mikro Ohrzängchen
Micro Ear Forceps
Micro pinzas auriculares



A

45361-01
0,6 x 4,5 mm

45362-45
0,9 x 4,5 mm



C

45361-02
0,6 x 4,5 mm

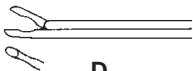
45363-45
0,9 x 4,5 mm



B

45361-03
0,6 x 4,5 mm

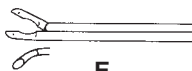
45365-45
0,9 x 4,5 mm



D

45361-04
0,6 x 5,0 mm

45367-50
0,9 x 5,0 mm



E

45361-05
0,6 x 5,0 mm

45369-50
0,9 x 5,0 mm

A: gerade / straight / recta

B: rechts / right / derecha

C: links / left / izquierda

D: aufgebogen / curved up / curva hacia arriba

E: nach unten gebogen / curved down / curva hacia abajo

Mikro Ohrzängchen
Micro Ear Forceps
Micro pinzas auriculares



A
45390-35
0,8 x 3,5 mm



A
45390-50
1 x 5 mm



F
45391-35
0,8 x 3,5 mm



E
45392-35
0,8 x 3,5 mm



C
45393-50
1 x 5 mm



B
45394-50
1 x 5 mm

A: gerade / straight / recta

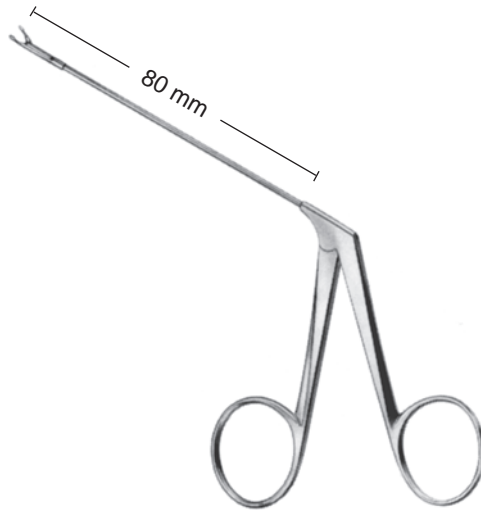
B: rechts / right / derecha

C: links / left / izquierda

E: nach unten gebogen / curved down / curva hacia abajo

F: nach oben gebogen / curved upwards / curva hacia arriba

Mikro Ohrzängchen
Micro Ear Forceps
Micro pinzas auriculares



WULLSTEIN



A
45400-01
0,9 x 1 mm



A
45400-02
0,8 x 1,3 mm



A
45400-03
1 mm



A
45401-25
1,7 x 2,5 mm



D
45402-10
0,9 x 1 mm



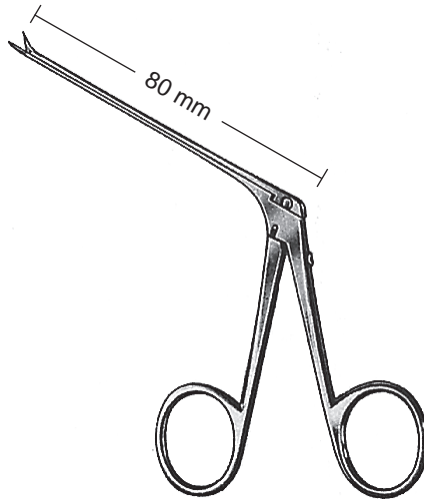
C
45403-13
0,8 x 1,3 mm



B
45404-13
0,8 x 1,3 mm

A: gerade / straight / recta
B: rechts / right / derecha
C: links / left / izquierda
D: aufgebogen / curved up / curva hacia arriba

Mikro Ohrscheren
 Micro Ear Scissors
 Micro tijeras auriculares



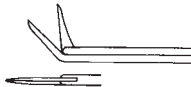
A
 BELLUCCI
 45300-30
 3 mm
 extra zart
 very delicate
 muy fina



A
 BELLUCCI
 45310-40
 4 mm
 micro mini



A
 BELLUCCI
 45312-55
 5,5 mm
 micro standard



D
 BELLUCCI
 45313-55
 5,5 mm
 micro standard



B
 BELLUCCI
 45315-55
 5,5 mm
 micro standard



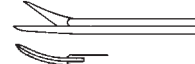
C
 BELLUCCI
 45317-55
 5,5 mm
 micro standard



A
 SHEA
 45320-70
 7,0 mm



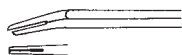
C
 SHEA
 45321-70
 7,0 mm



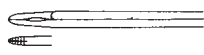
B
 SHEA
 45322-70
 7,0 mm

- A:** gerade / straight / recta
- B:** rechts / right / derecha
- C:** links / left / izquierda
- D:** aufgebogen / curved up / curva hacia arriba
- E:** nach unten gebogen / curved down / curva hacia abajo

Drahtbiegezängchen, Faßzängchen
Wire Bending Forceps, Grasping Forceps
Pinzas plegadoreas del alambre, Pinza prensora



McGEE
45371-40
0,8 x 4,0 mm



GREVEN
45370-50
0,8 x 5,0 mm



SCHUKNECHT
45372-60
0,8 x 6,0 mm

Mikro Ohrscheren
Micro Ear Scissors
Micro tijeras auriculares



FISCH



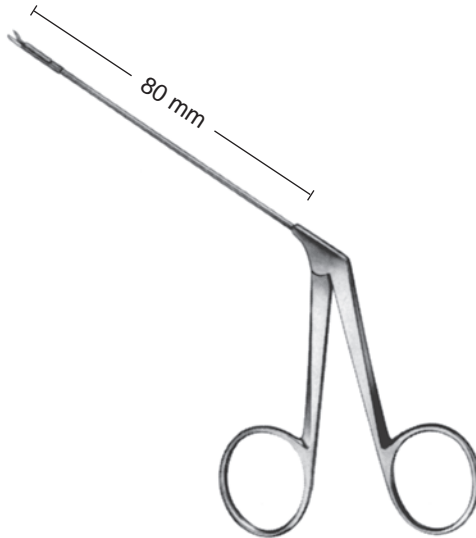
B
FISCH
45324-03
3,0 mm



C
FISCH
45325-03
3,0 mm

B: rechts / right / derecha
C: links / left / izquierda

Mikro Ohrscheren
Micro Ear Scissors
Micro tijeras auriculares



WULLSTEIN



A
45410-01



F
45411-01



C
45412-01



B
45413-01



G
45414-01

A: gerade / straight / recta

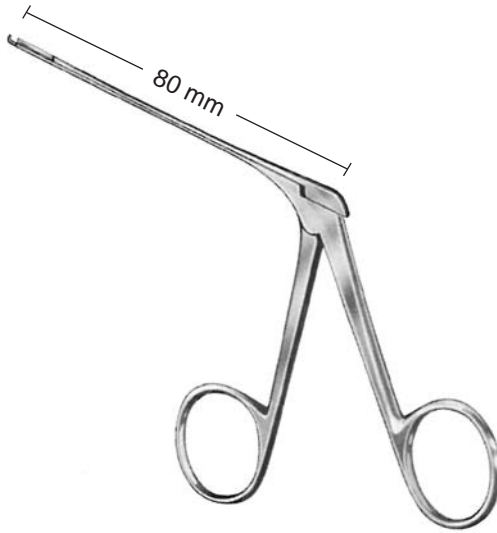
B: rechts / right / derecha

C: links / left / izquierda

F: nach oben gebogen / curved upwards / curva hacia arriba

G: horizontal schneidend / horizontal cutting / corte horizontal

Hammerkopfstanze
Malleus Punch
Pinza para cabeza del martillo



DIETER

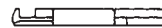
micro ø 1,3 mm



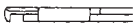
45385-01

aufwärts
upward
arriba

mini ø 1,8 mm



45387-01



45385-02

abwärts
downward
abajo



45387-02

Biegegerät, Quetschzange
Bending Device, Pressure Forceps
Dispositivo para modelar, Pinza para aplastar



SCHUKNECHT
45430-00

16 x 12 mm



HOUSE-GELFOAM
45440-19
19 cm, 7 1/2"

Elevatoren, Raspatorien
Elevators, Raspatories
Elevadores, Periostótomos



SEBILEAU
33707-17
17,5 cm, 7"



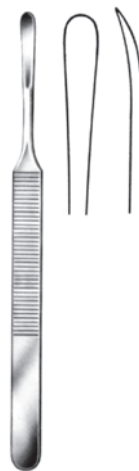
QUERVAIN
33708-19
19,5 cm, 7 3/4"

16 mm



LANGENBECK
33710-19
19 cm, 7 1/2"

5 mm



KÖNIG
33714-15
15,5 cm, 6"

Raspatorien
Raspatories
Periostótomos

4 mm



WILLIGER
33711-16
16 cm, 6 ¼"

6,5 mm



WILLIGER
33712-16
16 cm, 6 ¼"

5 mm



WILLIGER
33713-16
16 cm, 6 ¼"

5,5 mm



WILLIGER
33713-17
17 cm, 6 ¾"

Raspatorien, Elevatoren
Raspatories, Elevators
Periostótomos, Elevadores



JOSEPH
33718-16
16 cm, 6 ¼"



LEMPERT
16 cm, 6 ¼"



LEMPERT
45806-16
16 cm, 6 ¼"

Raspatorien
Raspatories
Periostótomos

mit Ferrozellgriff
with Ferrozell-Handle
con mango de Ferrozell

6 mm



33740-19
19 cm, 7 1/2"

3 mm



33741-18
18,5 cm, 7 1/4"

6 mm



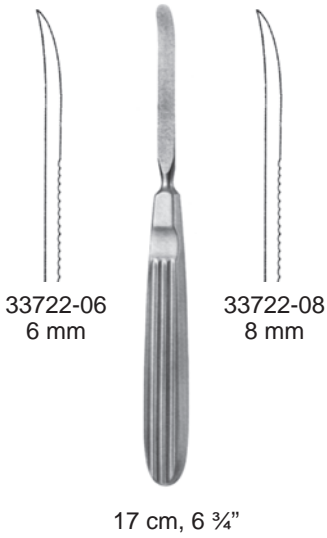
33742-18
18,5 cm, 7 1/4"

6 mm



33743-18
18,5 cm, 7 1/4"

Raspatorien
Raspatories
Periostótomos

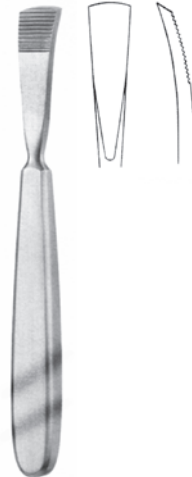


6 mm



LEMPERT
45807-20
20,5 cm, 8"

15 mm



JANSEN
33701-16
16,5 cm, 6 1/2"

4,5 mm



FREER
47415-18
18 cm, 7"

Elevatoren, Raspatorien
 Elevators, Raspatories
 Elevadores, Periostótomos



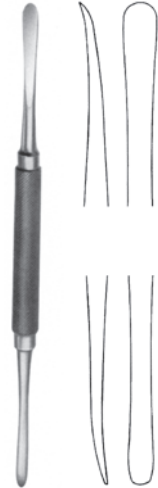
47410-04
4 mm



47410-05
5 mm



McKENTY
15 cm, 6"



MOLT
33716-18
18 cm, 7"



MILLER
17 cm, 6 3/4"



33724-02
2 mm

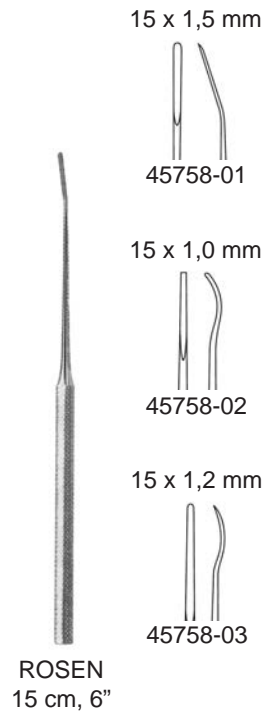
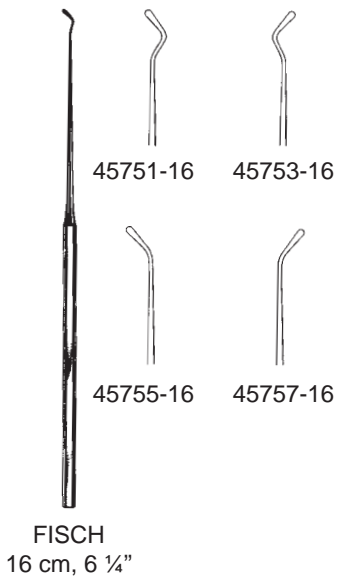
33724-03
3 mm

33724-04
4 mm

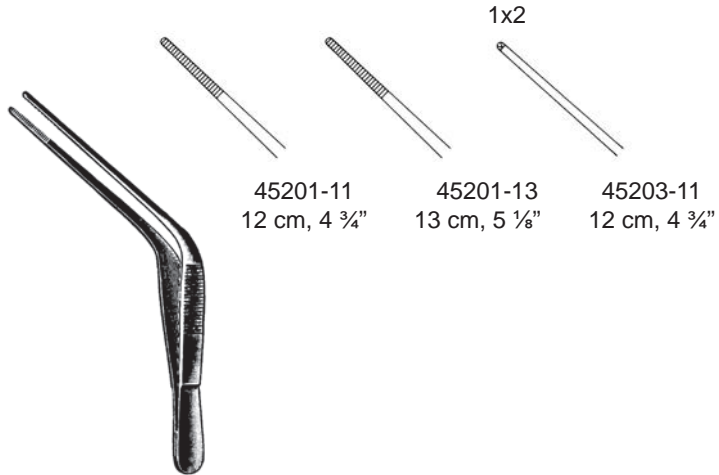


WULLSTEIN
45806-17
17 cm, 6 3/4"

Dissektor, Raspatorien
Excavator, Raspatories
Disector, Periostótomos



Ohrpinzetten
Ear Forceps
Pinzas auriculares

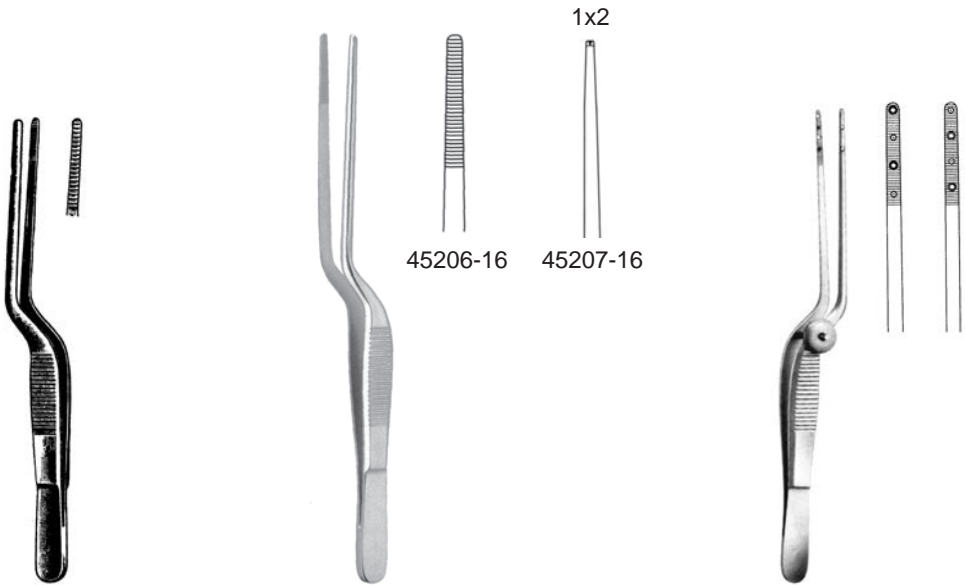


45201-11
12 cm, 4 ¾"

45201-13
13 cm, 5 ⅙"

45203-11
12 cm, 4 ¾"

WILDE (TROELTSCH)



LUCAE
45206-14
14 cm, 5 ½"

LUCAE
16 cm, 6 ¼"

COTTLE
45208-14
14 cm, 5 ½"

Anatomische und chirurgische Pinzetten
Dressing and Tissue Forceps
Pinzas de disección, sin/con dientes



STANDARD
11120-11
11,5 cm 4 ½"



GRAEFE
11190-10
10,5 cm, 4.1"



SEMKEN
11260-12 12,5 cm, 5"
11260-15 15,5 cm, 6"



SEMKEN
11270-12 12,5 cm, 5"
11270-15 15,5 cm, 6"

Uhrmacherpinzetten
Jeweler Type Forceps
Pinzas de relojero

Fig. 1



11401-01
12 cm, 4 3/4"

Fig. 3



11403-03
12 cm, 4 3/4"

Fig. 3c



11403-04
11 cm, 4 3/8"

Fig. 4



11404-04
11 cm, 4 3/8"

Fig. 5



11405-05
11 cm, 4 3/8"

Fig. 7



11407-07
12 cm, 4 3/4"

Ohrpinzetten
Ear Forceps
Pinzas auriculares



ADSON

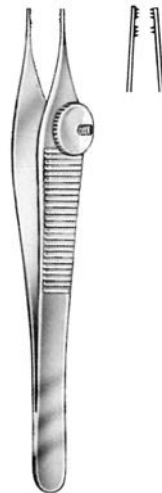
11170-12 12,0 cm, 4 $\frac{3}{4}$ "
11170-15 15,0 cm, 6"



1x2

ADSON


11180-12 12,0 cm, 4 $\frac{3}{4}$ "
11180-15 15,0 cm, 6"



DERLACKI

45209-12
12 cm, 4 $\frac{3}{4}$ "

Flachmeißel, Hohlmeißel, Stößel
 Chisels, Gouges, Tamper
 Cinceles, Gubias, Hemostático



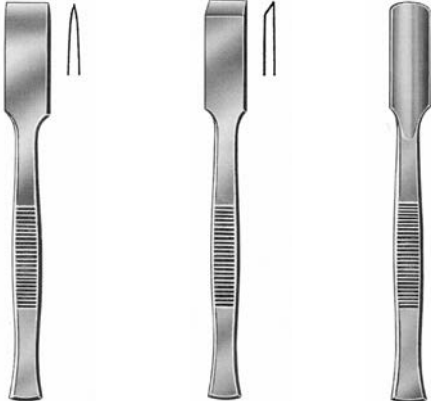
33600-02
2 mm

33600-03
3 mm

33600-04
4 mm


33600-05
5 mm

16 cm, 6 1/4"




13,5 cm, 5 1/4" 13,5 cm, 5 1/4" 13,5 cm, 5 1/4"

4 mm	33602-04	33604-04	33605-04
6 mm	33602-06	33604-06	33605-06
8 mm	33602-08	33604-08	33605-08
10 mm	33602-10	33604-10	33605-10
12 mm	33602-12	33604-12	33605-12
14 mm	33602-14	33604-14	33605-14
16 mm	33602-16	33604-16	33605-16




33626-25
2,5 mm




33626-35
3,5 mm

PASSOW
12 cm, 4 3/4"



33628-03
3 mm



33628-05
5 mm

BRÜNING-S-LUCAS
16 cm, 6 1/4"

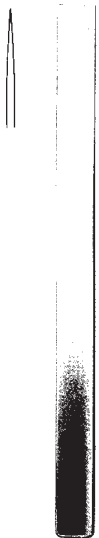
Flachmeißel, Hohlmeißel, Osteotome
 Chisels, Gouges, Osteotome
 Cinceles, Gubias, Osteótomo



PARTSCH
 13,5 cm, 5 ¼"
 33620-02 2 mm
 33620-03 3 mm
 33620-04 4 mm
 33620-05 5 mm
 33620-06 6 mm



PARTSCH
 13,5 cm, 5 ¼"
 33623-02 2 mm
 33623-03 3 mm
 33623-04 4 mm
 33623-05 5 mm
 33623-06 6 mm



2 mm 3 mm 4 mm

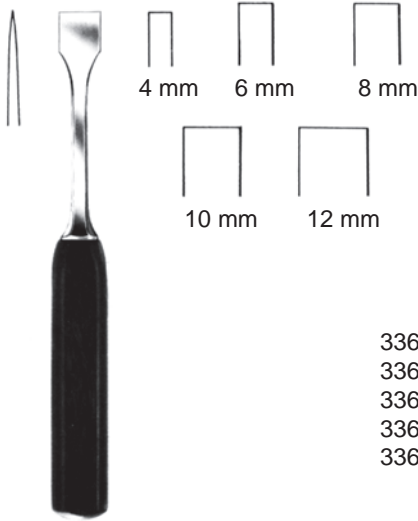
6 mm 8 mm 10 mm

12 mm 15 mm

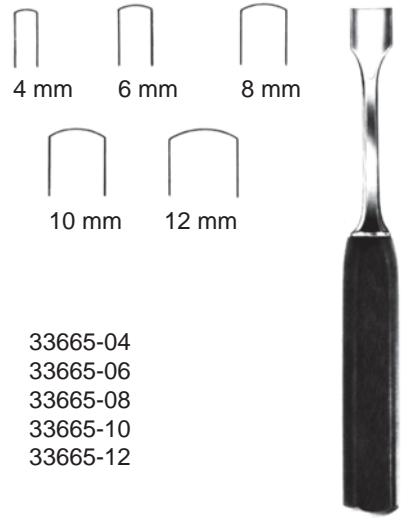
12,5 cm, 5"	mm	17 cm, 6 ¾"
33654-02	2	33652-02
33654-03	3	33652-03
33654-04	4	33652-04
33654-06	6	33652-06
33654-08	8	33652-08
33654-10	10	33652-10
33654-12	12	33652-12
33654-15	15	33652-15

MINI-LAMBOTTE

Flachmeißel und Hohlmeißel mit Ferrozellgriff, Osteotome
 Chisels and Gouges with Ferrozell-Handle, Osteotome
 Cinceles, Gubias con mango de Ferrozell, Osteótomo



LEXER MINI
18 cm, 7"



LEXER MINI
18 cm, 7"

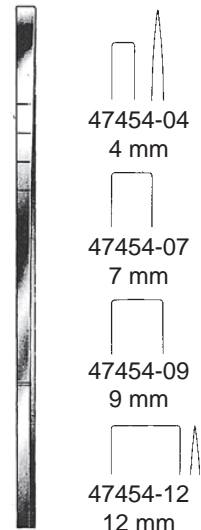
33664-04	4 mm	33665-04
33664-06	6 mm	33665-06
33664-08	8 mm	33665-08
33664-10	10 mm	33665-10
33664-12	12 mm	33665-12



FREER
47450-04
15 cm, 6"

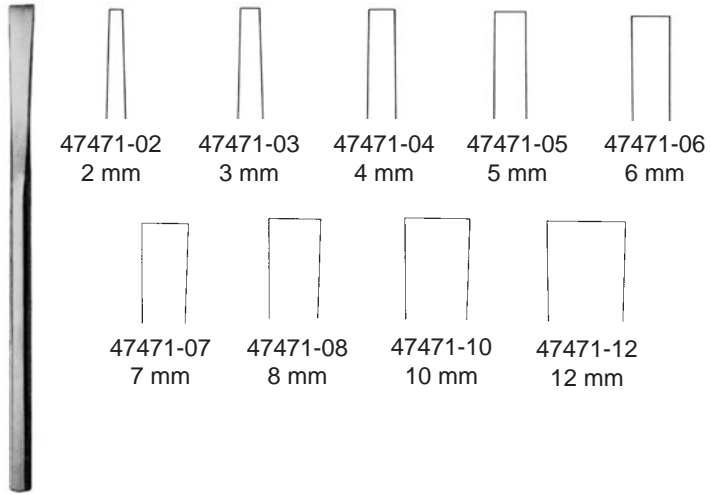


FREER
47451-04
15 cm, 6"



COTTLE
18 cm, 7"

Septum Osteotom
Rhinoplastic Osteotome
Osteotomo para rinoplastia



SHEEHAN
16 cm, 6 ¼"

Hämmer
Mallets
Martillos

massiv, mit auswechselbaren Ferrozellbacken
solid, with interchangeable Ferrozell jaws
macizo, con tapas intercambiables de Ferrozell

Ø 20 mm



MEAD
17 cm, 6 3/4"
33693-32 320 g

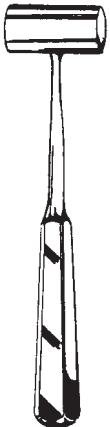
Ø 25 mm



135 g

33694-01 18,5 cm, 7 1/4"
33694-03 Ersatzbacken
Nylon Caps
Tapas de repuesto

Ø 22 mm



PARTSCH
33698-98
18 cm, 7"
199 g

Ø 30 mm



COTTLE
18 cm, 7" 240 g
33700-05

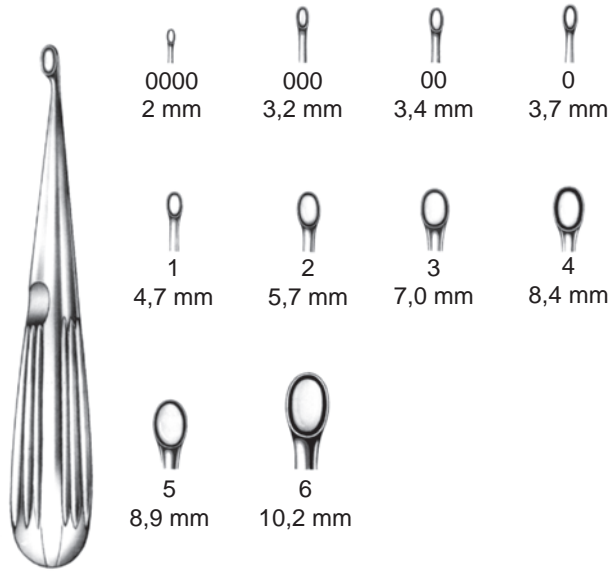
Ø 27 mm



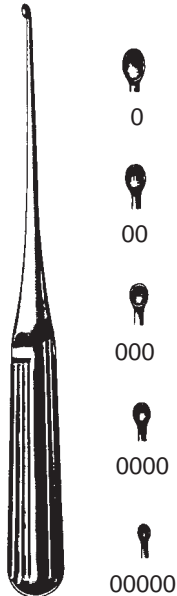
HAJEK
21 cm, 8 1/4" 140 g
33700-08

Scharfe Löffel
Bone Curettes
Cucharillas cortantes

Fig.	SPRATT
0000	33474-96
000	33474-97
00	33474-98
0	33475-00
1	33475-01
2	33475-02
3	33475-03
4	33475-04
5	33475-05
6	33475-06



SPRATT
17 cm, 6 3/4"



LEMPERT
17,5 cm, 7"

Fig.	0	33490-10	3,3 mm
	00	33490-20	3,0 mm
	000	33490-30	2,7 mm
	0000	33490-40	2,4 mm
	00000	33490-50	2,0 mm



JANSEN
33495-16 16 cm, 6 1/4"

Scharfe Löffel
Bone Curettes
Cucharillas cortantes



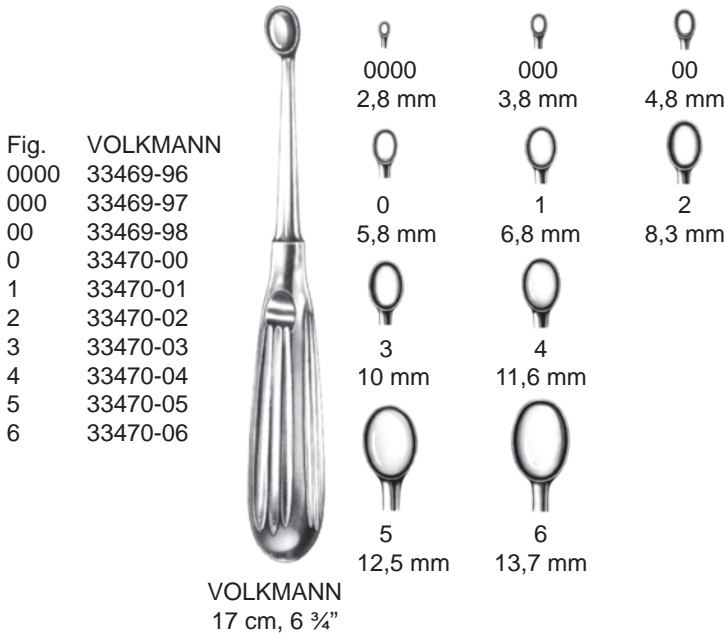
BARTH
33393-18, 18 cm, 7"



HALLE
21 cm, 8 1/4"

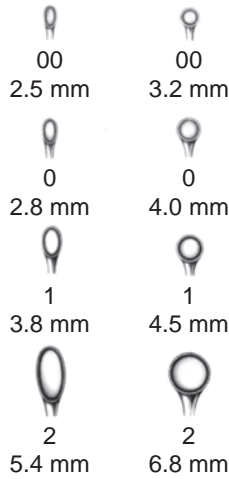
Fig.
1 33476-01 4,8 mm
2 33476-02 5,8 mm
3 33476-03 6,8 mm

biegsam
malleable
maleable

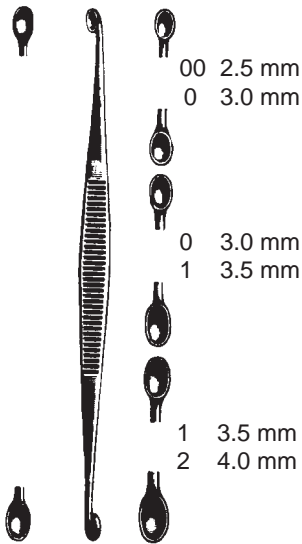


VOLKMANN
17 cm, 6 3/4"

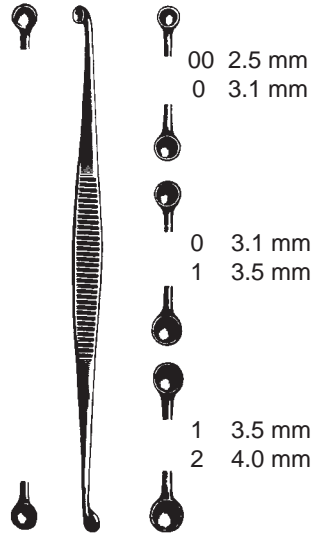
Scharfe Löffel
Bone Currettes
Cucharillas cortantes



WILLIGER 17,5 cm, 7"	Fig. 00	33485-99	33486-99
	0	33486-00	33487-00
	1	33486-01	33487-01
	2	33486-02	33487-02

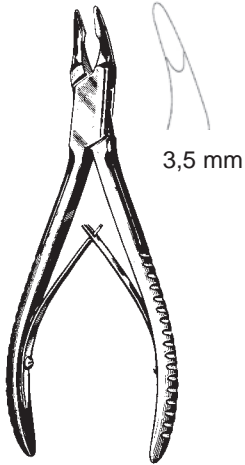


WILLIGER 13,5 cm, 5 1/4"	Fig. 00/0	33496-00
	0/1	33496-01
	1/2	33496-12

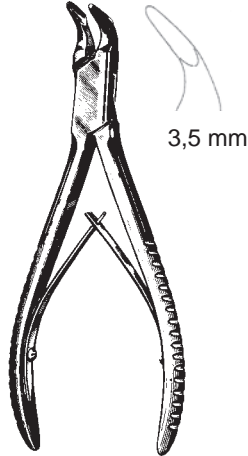


MARTINI 13,5 cm, 5 1/4"	Fig. 00/0	33498-00
	0/1	33498-01
	1/2	33498-12

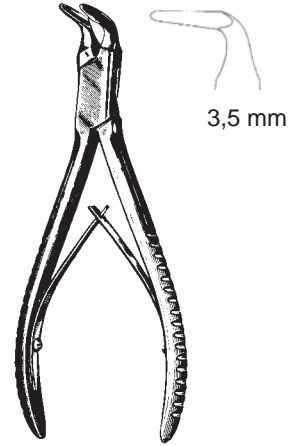
Hohlmeißelzangen
Bone Rongeurs
Pinzas-gubias



BLUMENTHAL
33115-15
15,5 cm, 6"



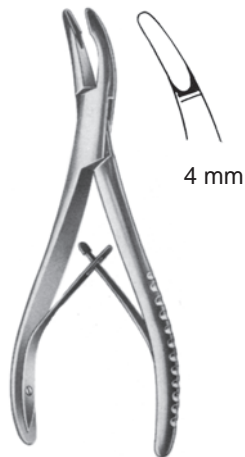
BLUMENTHAL
33117-15
15,5 cm, 6"



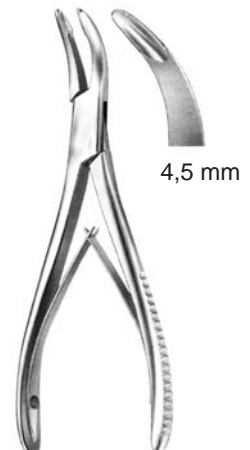
BLUMENTHAL
33119-15
15,5 cm, 6"



LUER
33131-15
15 cm, 5.9"



LUER
33133-15
15 cm, 5.9"



BANE-HARTMANN
33148-18
17,5 cm, 7"

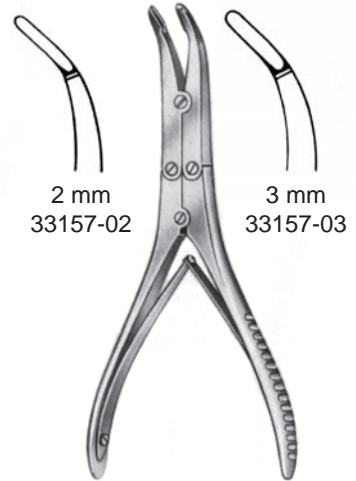
Hohlmeißelzangen
 Bone Rongeurs
 Pinzas-gubias



— LEMPERT —
 33150-16 33151-16
 16 cm, 6 ¼"



BEYER
 33156-18
 18 cm, 7"



KLEINERT-KUTZ
 15 cm, 6"



BEYER
 33201-18
 18 cm, 7"



ZAUFAL-JANSEN
 33205-18
 18 cm, 7"



— BÖHLER —
 33211-15 33213-15
 15 cm, 6"

Knochensplitterzangen
Bone Cutting Forceps
Pinzas cortantes para huesos



— BÖHLER —
33280-15 33281-15
15 cm, 6"



COTTLE-KAZANJIAN
33282-19
19 cm, 7 ½"



MC INDOE
33283-17
17 cm, 6 ¾"

Knochenstanzen
Bone Punches
Pinzas sacabocado



KERRISON

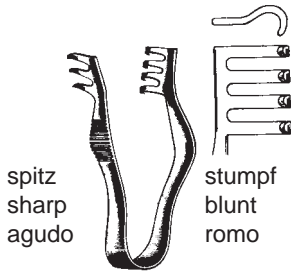
3x3 mm 47303-03
4x4 mm 47303-04
5x5 mm 47303-05
6x6 mm 47303-06
17 cm, 6 $\frac{3}{4}$ "



CITELLI

47311-10 1,0 mm
47311-25 2,5 mm
47311-30 3,0 mm

Wundsperrer
Retractors
Separadores

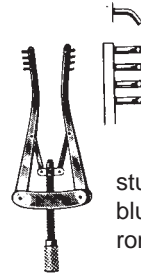


spitz
sharp
agudo

stumpf
blunt
romo

FINSEN

19610-07 7 cm, 2 3/4" 19611-07

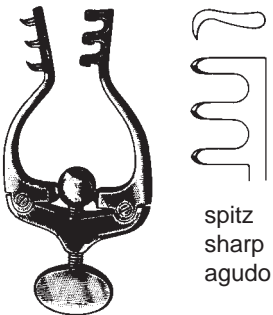


spitz
sharp
agudo

stumpf
blunt
romo

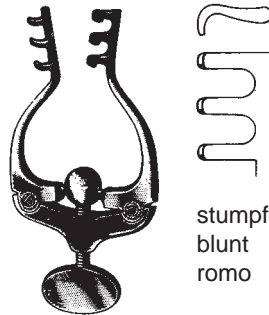
ALM

19620-07 7 cm, 2 3/4" 19621-07
19620-10 10 cm, 4" 19621-10



spitz
sharp
agudo

JANSEN
19630-10
10 cm, 4"



stumpf
blunt
romo

JANSEN
19631-10
10 cm, 4"

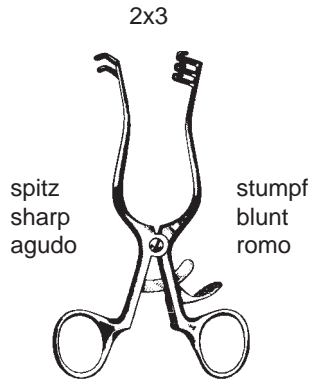


spitz
sharp
agudo

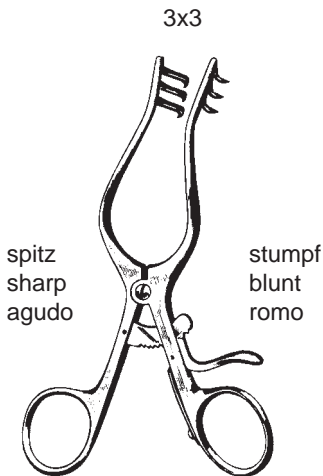
stumpf
blunt
romo

HOLZHEIMER
19634-10 19635-10
10 cm, 4"

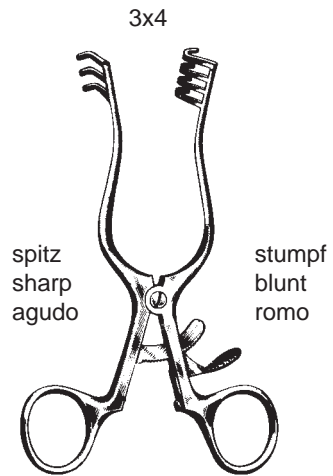
Wundsperrer
Retractors
Separadores



WEITLANER
19650-10 19651-10
11,5 cm, 4 1/2"

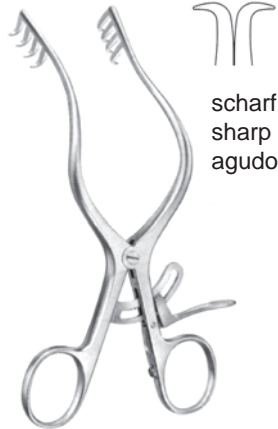


WEITLANER-WULLSTEIN
19654-13 19655-13
13 cm, 5 1/8"



WEITLANER
19670-14 14,0 cm, 5 1/2" 19671-14
19670-16 16,5 cm, 6 1/2" 19671-16

Wundsperrer
Retractors
Separadores



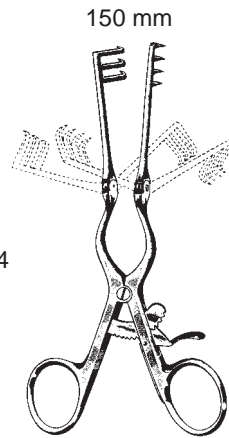
scharf
sharp
agudo

MOLLISON
19674-15
15 cm, 6"



stumpf
blunt
romo

FISCH
19683-17
17 cm, 6 3/4"



150 mm

19684-14

spitz
sharp
agudo

19685-14

stumpf
blunt
romo

ADSON
14 cm, 5 1/2"

Wundsperrer
Retractors
Separadores



stumpf
blunt
romo

PLESTER
19672-11
11 cm, 4 3/8"



stumpf
blunt
romo

PLESTER
19673-11
11 cm, 4 3/8"



stumpf
blunt
romo

WULLSTEIN
19675-13
13 cm, 5 1/8"



scharf
sharp
agudo

PLESTER
19677-10 10 cm, 4"
19677-13 13 cm, 5 1/8"

Wundhaken
Retractors
Separadores



19283-01

gerade
straight
recto

WILLIGER
12 cm, 4 3/4"



19283-02

links gebogen
left curved
curvado hacia la izquierda



19283-03

rechts gebogen
right curved
curvado hacia la derecha

Präparierscheren
Dissecting Scissors
Tijeras de disección



METZENBAUM
09280-15 09284-15 TC
15 cm 6"



METZENBAUM
09281-15 09285-15 TC
15 cm 6"



METZENBAUM FINO
09282-15 09286-15 TC
15 cm 6"



METZENBAUM FINO
09283-15 09287-15 TC
15 cm 6"

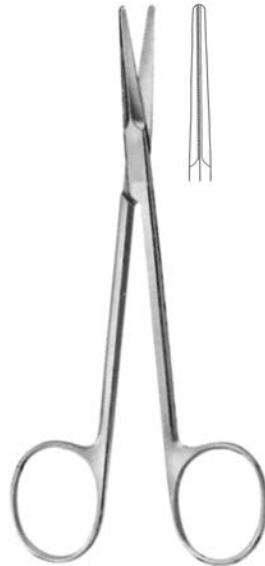
Präparierscheren
Dissecting Scissors
Tijeras de disección



— JOSEPH —
09304-14 14 cm 09305-14
5 1/2"



— STRABISMUS —
09370-11 09371-11
09374-11 TC 09375-11 TC
11 cm, 4 3/8"



GORNEY
10050-12
12,5 cm, 5"

Chirurgische Scheren
Operating Scissors
Tijeras para cirugía



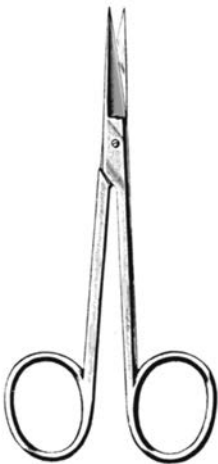
STANDARD

- 09110-11 11,5 cm, 4 ½"
- 09110-13 13,0 cm, 5"
- 09110-14 14,5 cm, 5 ¾"



STANDARD

- 09111-11 11,5 cm, 4 ½"
- 09111-13 13,0 cm, 5"
- 09111-14 14,5 cm, 5 ¾"



IRIS
11 cm, 4 ¾"



09340-11
09344-11 TC

gerade
straight
rectas



09341-11
09345-11 TC

gebogen
curved
curvas

Draht-, Blehschere
Wire and Plate Scissors
Tijeras para alambre y láminas



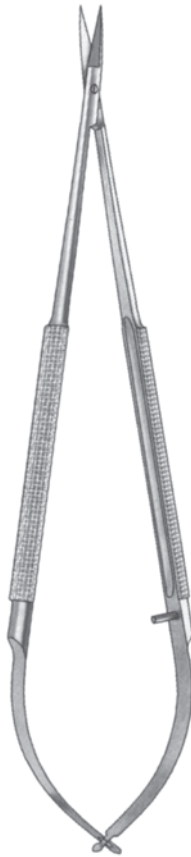
UNIVERSAL

09831-12 12 cm, 4 ¾"

09835-12 TC 12 cm, 4 ¾"

Mikro Scheren
Micro Scissors
Micro-Tijeras

10 mm

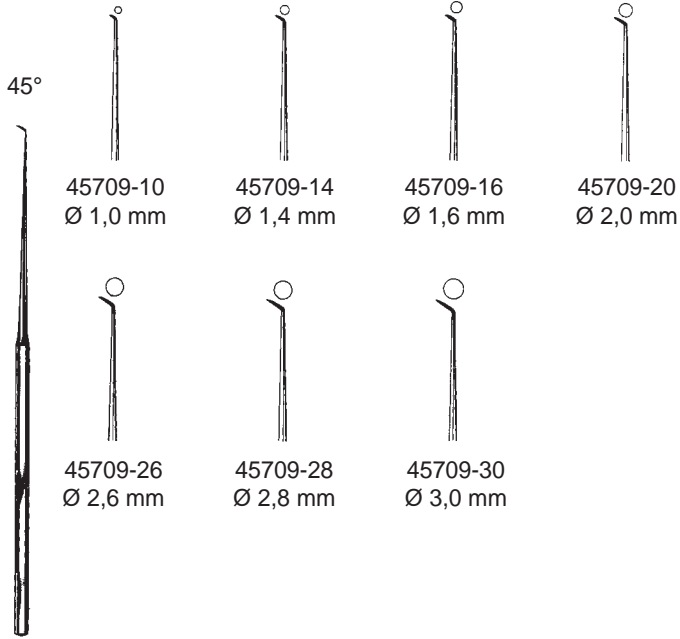


10202-14

14,5 cm, 5 $\frac{3}{4}$ "

10203-14

Messer
Knives
Cuchillos

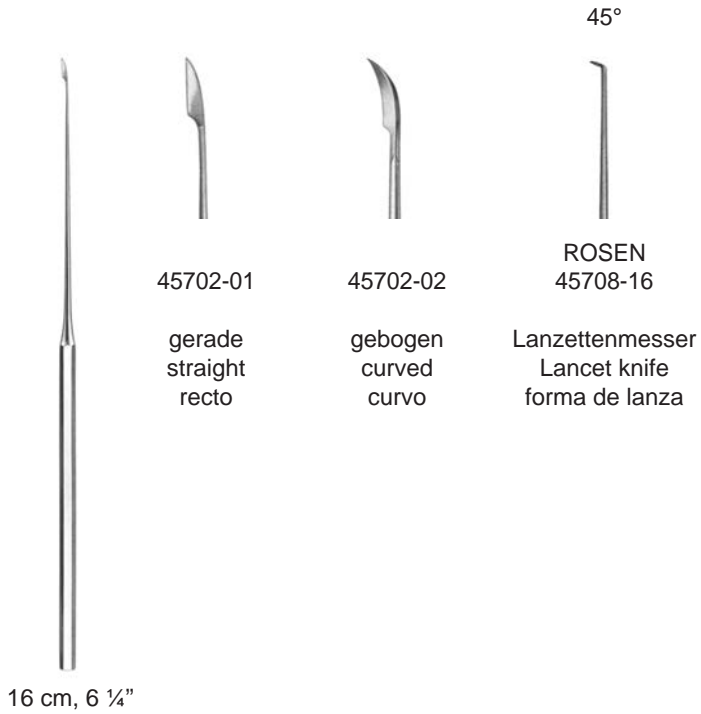


ROSEN
16 cm, 6 ¼"

90°



ROSEN
16 cm, 6 ¼"



Messer
Knives
Cuchillos



SCHUKNECHT
45701-01
16 cm, 6 ¼"



SCHUKNECHT
45701-02
16 cm, 6 ¼"



SCHUKNECHT
45703-15
15,5 cm, 6"



WULLSTEIN
45704-15
15,5 cm, 6"



TABB
45705-15
15,5 cm, 6"



PLESTER
45706-35
15,5 cm, 6"

Mikro Nadelhalter
Micro Needle Holders
Micro-porta-agujas

ohne Sperre
without lock
sin cremallera

mit Sperre
with lock
con cremallera



BARRAQUER

11,5 cm, 4 1/2"
13,0 cm, 5 1/8"
14,0 cm, 5 1/2"
18,0 cm, 7"



25660-12
25660-13
25660-14
25700-18



25661-12
25661-13
25661-14
25701-18



25720-12
25720-13
25720-14
25730-18



25731-12
25731-13
25731-14
25731-18

mit diamantiertem Maul
with diamond jaw
con boca de diamante

11,5 cm, 4 1/2"
13,0 cm, 5 1/8"
14,0 cm, 5 1/2"
18,0 cm, 7"

25720-12D
25720-13D
25720-14D
25730-18D

25671-12D
25671-13D
25671-14D
25731-18D

T= Titan, titanium, titanio



93250-15T
93250-18T



93251-15T
93251-18T



93260-15T
93260-18T



93261-15T
93261-18T

15,0 cm, 6"
18,0 cm, 7"

Mikro Nadelhalter mit Sperre
 Micro Needle Holders, with Lock
 Micro-porta-agujas con cremallera



14,0 cm, 5 ½"
 18,0 cm, 7"



25670-14
 25670-18



25671-14
 25671-18



25672-14
 25672-18



25673-14
 25673-18

mit TC 1,4 mm
 with TC jaw 1,4 mm
 con TC 1,4 mm

14,0 cm, 5 ½"
 18,0 cm, 7"

25674-14	25675-14	25676-14	25677-14
25674-18	25675-18	25668-18	25691-18

mit diamantiertem Maul 0,8 mm
 with diamond jaw 0,8 mm
 con boca de diamante 0,8 mm

14,0 cm, 5 ½"
 18,0 cm, 7"

25672-14D	25673-14D
25672-18D	25673-18D

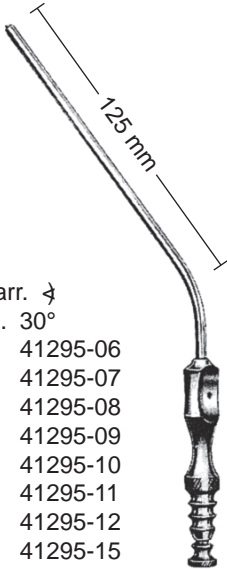
T= Titan, titanium, titanio
 Maul / jaw / boca 0,4mm

14,0 cm, 5 ½"
 18,0 cm, 7"

25672-14T	25673-14T
25672-18T	25673-18T

CASTROVIEJO

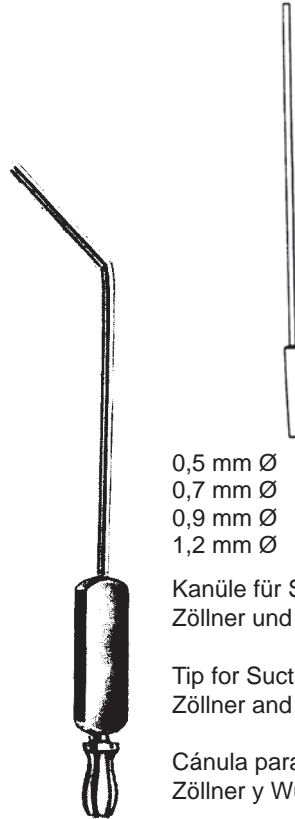
Saugrohre
Suction Tubes
Tubos de aspiración



Charr. ↴
F.G. 30°

- 6 41295-06
- 7 41295-07
- 8 41295-08
- 9 41295-09
- 10 41295-10
- 11 41295-11
- 12 41295-12
- 15 41295-15

FRAZIER/FERGUSSON
19 cm, 7 1/2"



- 0,5 mm Ø 41306-05
- 0,7 mm Ø 41306-07
- 0,9 mm Ø 41306-09
- 1,2 mm Ø 41306-12

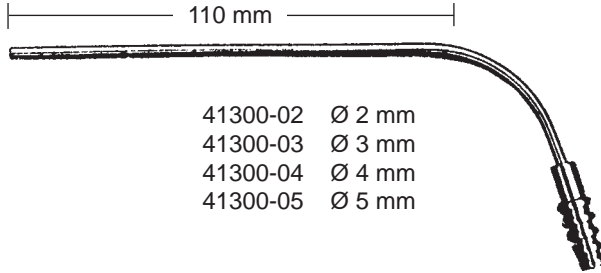
Kanüle für Sauggriff
Zöllner und Wullstein

Tip for Suction Handle
Zöllner and Wullstein

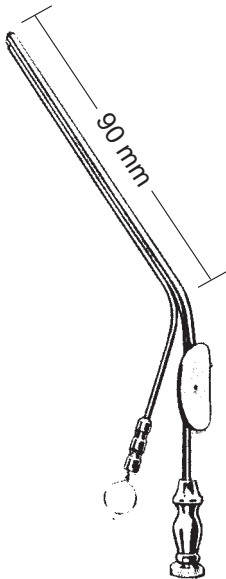
Cánula para mango
Zöllner y Wullstein

ZÖLLNER
41302-02

Saugrohre
Suction Tubes
Tubos de aspiración



41300-02 Ø 2 mm
41300-03 Ø 3 mm
41300-04 Ø 4 mm
41300-05 Ø 5 mm



HOUSE

9 cm, 3 1/2"

41303-09 Ø 0,9 x 0,7 mm
41303-12 Ø 1,2 x 0,9 mm
41303-15 Ø 1,5 x 1,2 mm
41303-18 Ø 1,8 x 1,8 mm
41303-25 Ø 2,5 x 2,0 mm
41303-30 Ø 3,0 x 2,0 mm
41303-45 Ø 4,5 x 2,0 mm

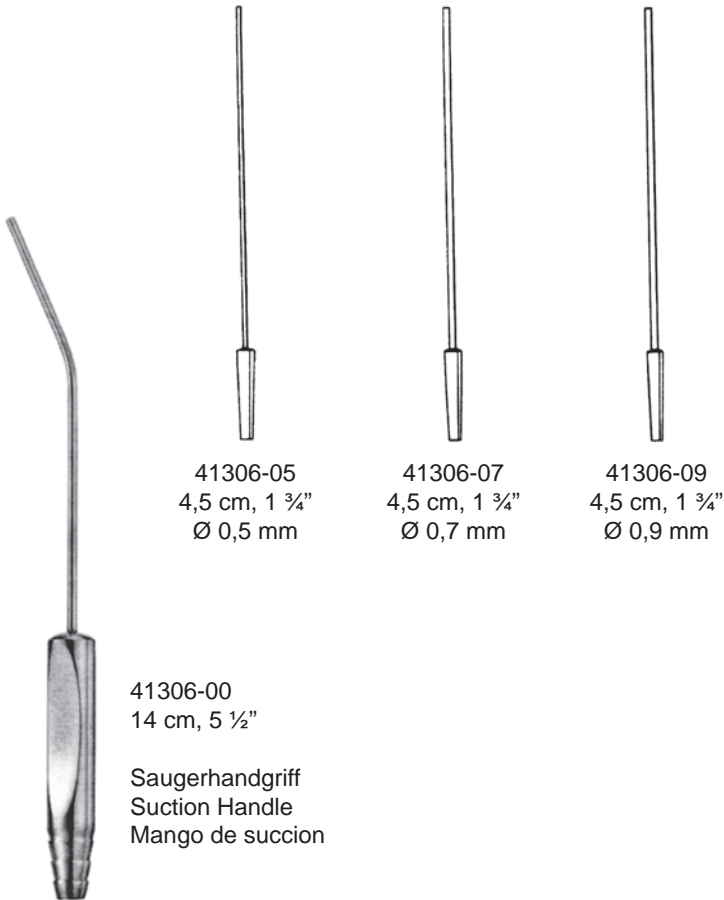


PLESTER 30°

Charr. 6 41304-06
Charr. 8 41304-08
Charr. 10 41304-10

Saugrohre
Suction Tubes
Tubos de aspiración

Mikro-Saugkanüle
Micro suction cannula
Micro tubo de aspiración



41306-05
4,5 cm, 1 3/4"
Ø 0,5 mm

41306-07
4,5 cm, 1 3/4"
Ø 0,7 mm

41306-09
4,5 cm, 1 3/4"
Ø 0,9 mm

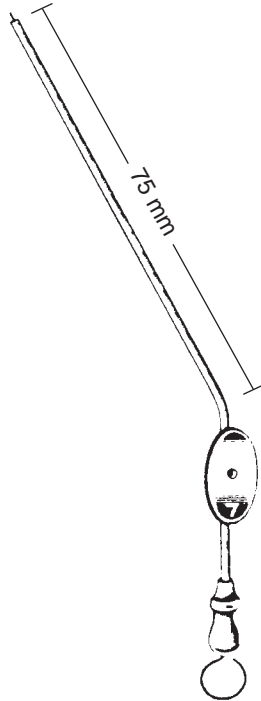
41306-00
14 cm, 5 1/2"

Saugerhandgriff
Suction Handle
Mango de succion

WULLSTEIN
41308-00

komplett, mit Griff und drei Aufsätzen
complete, with handle and 3 tips
completo, con mango y 3 puntas

Saugrohre
Suction Tubes
Tubos de aspiración



BARON

16 cm, 6 ¼"

41299-03	3FR	1,0 mm
41299-05	5FR	1,6 mm
41299-07	7FR	2,3 mm

Saug- und Spülinstrumente
Aspirating and Irrigation Instruments
Instrumentos de aspiracion y irrigacion

LUER



Sauggriff
Suction Handle
Mango de succion

WULLSTEIN
41307-00

Saugadapter
mit Saugunterbrecher

Suction adapter
with finger cut-off

Adaptador para
aspiración con interrupto

LUER



HOUSE
41300-00
5,5 cm, 2 1/4"

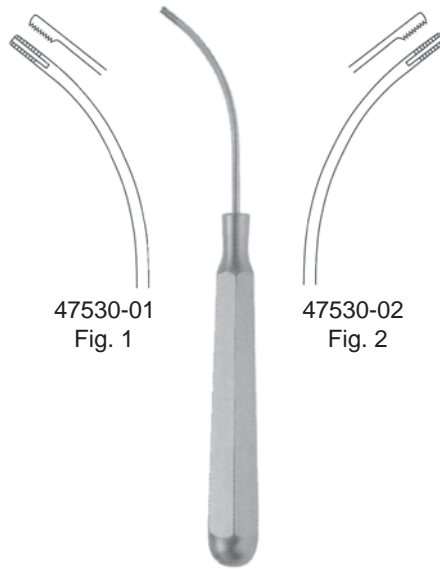


Kanüle für Sauggriff
Tip for Suction Handle
Cánula para mango de succion

ROSEN
10 cm, 4"

0,5 mm Ø 41305-05	1,2 mm Ø 41305-12
0,6 mm Ø 41305-06	1,5 mm Ø 41305-15
0,7 mm Ø 41305-07	1,8 mm Ø 41305-18
0,8 mm Ø 41305-08	2,0 mm Ø 41305-20
0,9 mm Ø 41305-09	2,5 mm Ø 41305-25
1,0 mm Ø 41305-10	3,0 mm Ø 41305-30

Knorpelfeile
Cartilage Files
Limas para el cartilago

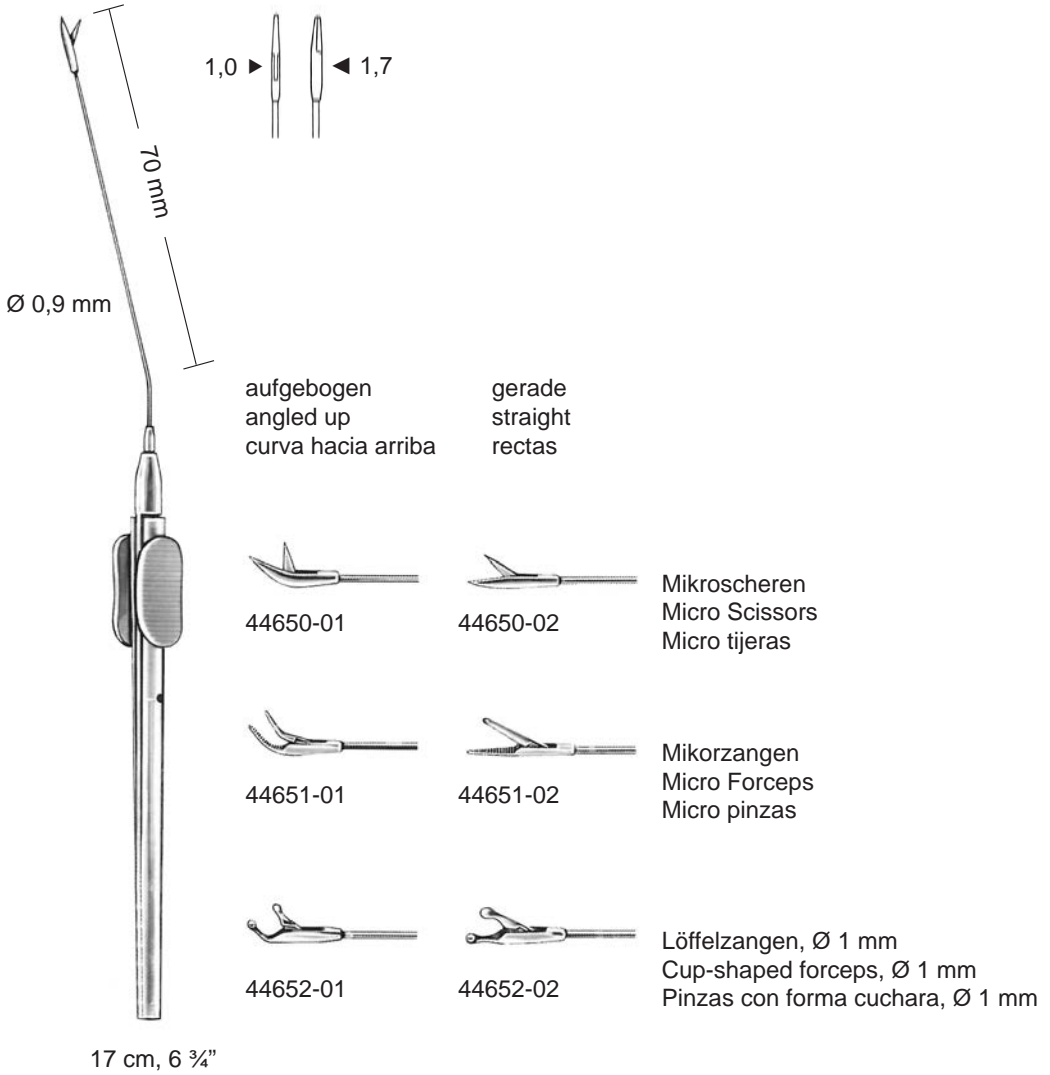


47530-01
Fig. 1

47530-02
Fig. 2

DINGMAN Set
47530-00 15 cm, 6"

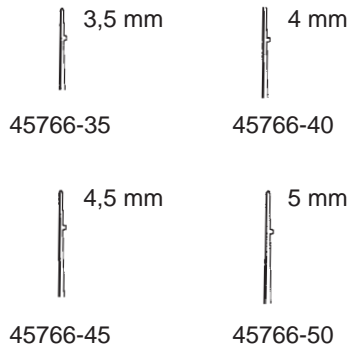
Mikro Scheren und Mikro Zangen
 Micro Scissors and Forceps
 Micro tijeras y pinzas



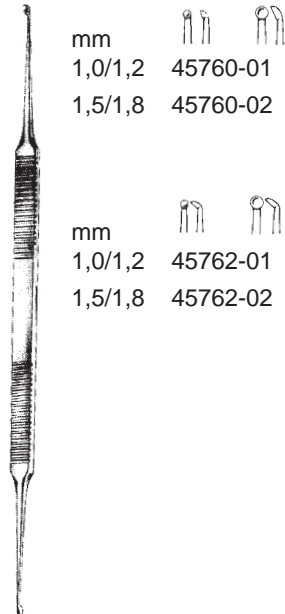
Mikro Meßsonde
Micro Measuring Rod
Sonda para mesurar



HOUSE
16 cm, 6 ¼"



Mikro Küretten
Micro Curettes
Micro curetas



mm
1,0/1,2 45760-01
1,5/1,8 45760-02

mm
1,0/1,2 45762-01
1,5/1,8 45762-02

HOUSE
15 cm, 6"

Scharfer Löffel
Sharp Spoon
Cucharilla cortante

1,5 x 2,5 mm



SHEA
45770-01
16 cm, 6 ¼"

Nadeln und Häkchen
Needles and Hooks
Agujas y Ganchos



16 cm, 6 1/4"



BARBARA /
ROSEN
45710-15



BARBARA /
ROSEN
45711-15

stumpf
blunt
roma



BARBARA /
ROSEN
45713-15



BARBARA /
ROSEN
45715-17



25°
SHAMBAUGH



45°
SHAMBAUGH



90°
SHAMBAUGH



BARBARA
45725-05 0,5 mm
45725-10 1,0 mm

mm
0,3
0,6
1,0
1,2
1,5
2,0
2,5

45720-03
45720-06
45720-10





45722-03
45722-04
45722-06
45722-08
45722-10
45722-12
45722-15
45722-20
45722-25

45724-03
45724-04
45724-06
45724-08
45724-10
45724-12
45724-15
45724-20
45724-25





Nadeln und Hakchen
 Needles and Hooks
 Agujas y Ganchos



15,5 cm, 6"

					
mm	90°	90°	mm	McGEE	McGEE
0,3	45730-03	45732-03	0,5	45733-05	45735-05
0,6	45730-06	45732-06	1,0	45733-10	45735-10
1,0	45730-10	45732-10			

		
BARBARA	ROSEN	
45736-15	45737-15	

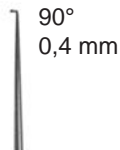
				
mm	25°	25°	45°	45°
0,3	45741-03	45743-03	45745-03	45747-03
0,6	45741-06	45743-06	45745-06	45747-06
1,0	45741-10	45743-10	45745-10	45747-10



45746-20
abgewinkelt
angled
angulado



45748-16
retrograd schneidend
reverse cutting
ganchito, corte retrogrado



45749-16
abgewinkelt, oval
angled, oval-blunt
angulado, ovalado



45750-16
abgewinkelt, zylindrisch
angled, cylindric
angulado, cilíndrico



45770-16
abgewinkelt, zylindrisch
angled, cylindric
angulado, cilíndrico



45771-16
Führungsgabel
Guide fork
Horquilla de guía



16 cm, 6 1/4"

Elevatorium, Raspatorium, Löffel
Elevators, Raspatories, Spoon
Elevadores, Periostótomos, Cucharilla

1,0 mm



45756-10
Elevatorium
Elevators
Elevador



45756-20
1,0 mm
45756-30
1,2 mm
Raspatorien
Raspatories
Periostótomos

1,8 mm



45756-50
Raspatorium stark gebogen
Raspatories strongly curved
Periostótomos fuertemente curvado



45756-40
Löffel leicht gebogen
Spoon slightly bent
Cucharilla ligeramente curvada



16,5 cm, 6 1/2"



Reda Instrumente GmbH
Gänsäcker 34 - P.O. Box 131
D-78532 Tuttlingen

**RHINOLOGIE
SINUSKOPIE**

**RHINOLOGY
SINUSCOPY**

**RINOLOGÍA
SINUSCOPIA**



www.Reda-Instrumente.de

Indikationen und Kontraindikationen finden Sie in der entsprechenden Gebrauchsanweisung!

Indication and Contraindication please refer to our user's manual!

Indicaciones y Contraindicaciones se encuentran en la instrucciones de uso correspondientes!

Nasenspekula
Nasal Specula
Espéculos nasales

selbsthaltend
self-retaining
autoestático



THUDICHUM
6,5 cm, 2 1/2"



47050-01
Fig. 1



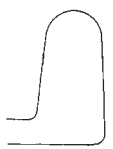
47050-02
Fig. 2



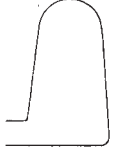
47050-03
Fig. 3



47050-04
Fig. 4



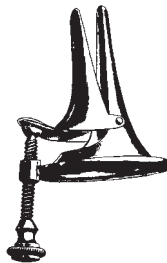
47050-05
Fig. 5



47050-06
Fig. 6



47050-07
Fig. 7



VOLTOLINI



47060-01



47060-02

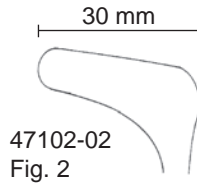


47060-03

Nasenspekula
Nasal Specula
Espéculos nasales



HARTMANN-HALLE
15 cm, 6"

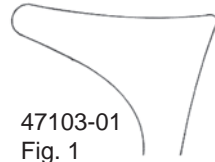


Nasenspekula
Nasal Specula
Espéculos nasales



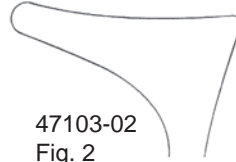
HARTMANN
16 cm, 6 ¼"

30 mm



47103-01
Fig. 1

33 mm



47103-02
Fig. 2

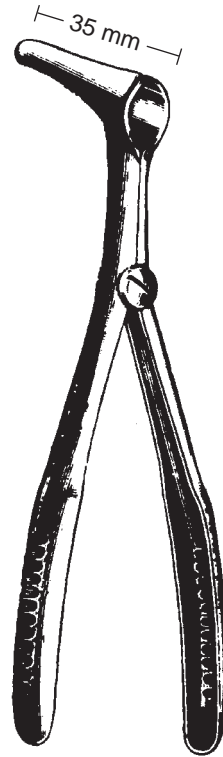
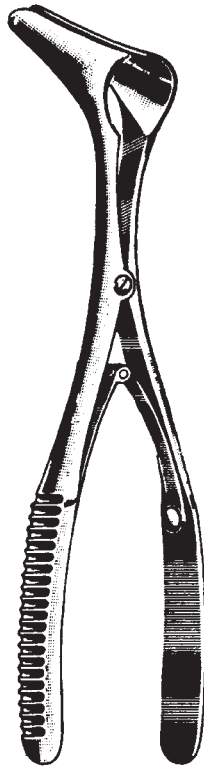
35 mm



47103-03
Fig. 3

Nasenspekula
Nasal Specula
Espéculos nasales

leichtes Modell
lightweight
modelo ligero

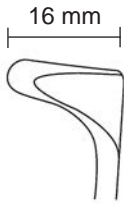


Mod. WIEN
14 cm, 5 ½"

Mod. WIEN
14 cm, 5 ½"

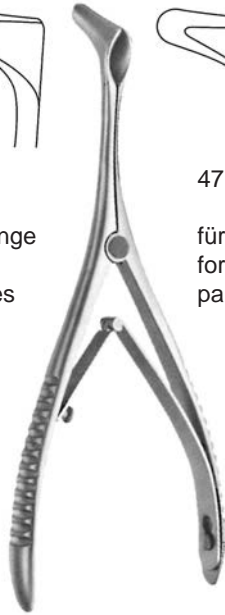
Baby, bebé	47112-01	25 mm
Kind, child, niño	47112-02	30 mm
Erwachs., adult, adulto	47112-03	35 mm

Nasenspekula
 Nasal Specula
 Espéculos nasales



47116-13

für Säuglinge
 for babies
 para bebés



TIECK-HALLE
 13,5 cm, 5 3/4"



47116-14

für Kleinkinder
 for infants
 para niños



REDA
 47118-13
 12,5 cm, 5"

47120-35
 35 mm

47120-50
 50 mm

47120-75
 75 mm

47120-90
 90 mm



KILLIAN
 13 cm, 5 1/8"



Nasenspekula
Nasal Specula
Espéculos nasales



KILLIAN
13 cm, 5 1/8"

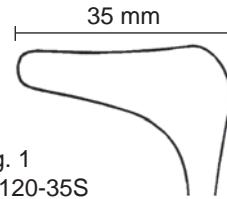


Fig. 1
47120-35S

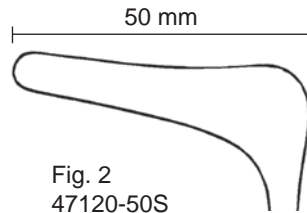


Fig. 2
47120-50S

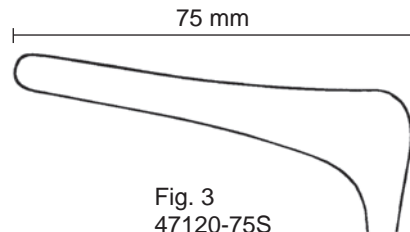


Fig. 3
47120-75S

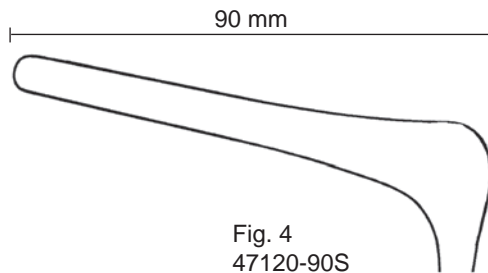


Fig. 4
47120-90S

Nasenspekula
Nasal Specula
Espéculos nasales



COTTLE
14 cm, 5 ½"

35 mm

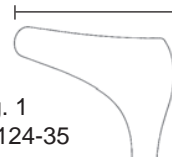


Fig. 1
47124-35

50 mm

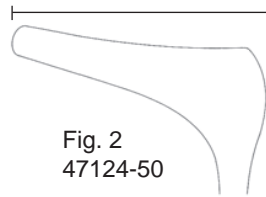


Fig. 2
47124-50

75 mm

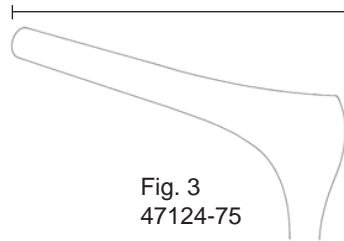


Fig. 3
47124-75

90 mm

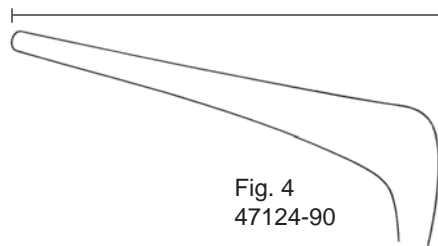


Fig. 4
47124-90

Nasenspekula
Nasal Specula
Espéculos nasales

35 mm

Fig. 1
47124-35S

50 mm

Fig. 2
47124-50S

75 mm

Fig. 3
47124-75S

90 mm

Fig. 4
47124-90S



COTTLE
14 cm, 5 ½"

LEYLA Retraktor System
LEYLA Retractor System
Separador de sistema LEYLA



41843-50

Kugelgelenkkloben zum Befestigen an der OP-Tischschiene und zur Aufnahme des Haltearms 41850-41

ball and socket joint for fixation of holding rod 41850-41 at the operating table

articulacion esferica, para sujetar el brazo de soporte rigido sobre la mesa de operaciones 9 x 32 mm

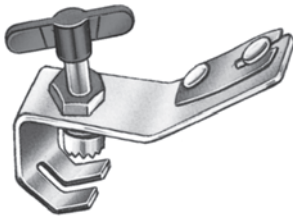


41850-41

starrer Haltearm, auseinandernehmbar, zur Fixation im Kugelgelenkkloben 41843-50 und zur wahlweisen Aufnahme des Kupplungskopf

holding rod, detachable, for fixation in ball and socket joint 41843-50 and to hold a desired coupling head

brazo de soporte rigido, desmontable, para fijacion a la articulacion esferica 41843-50 y opcionalmente a las cabezas



41821-21

Fixiervorrichtung zum Befestigen an Rohrteilen bis \varnothing 16 mm

clamp for fixation on bars up to \varnothing 16 mm

dispositivo de fijacion para tubos hasta \varnothing 16 mm



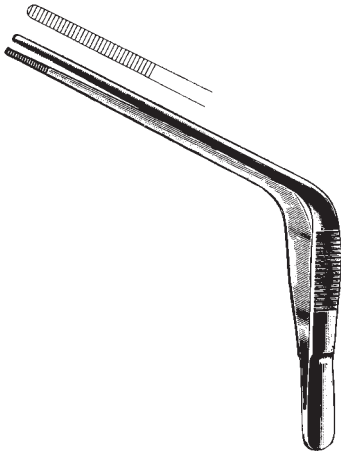
41842-44

Kupplungskopf, drehbar, zur Aufnahme von 1 flexiblenSpannarm 41810-10

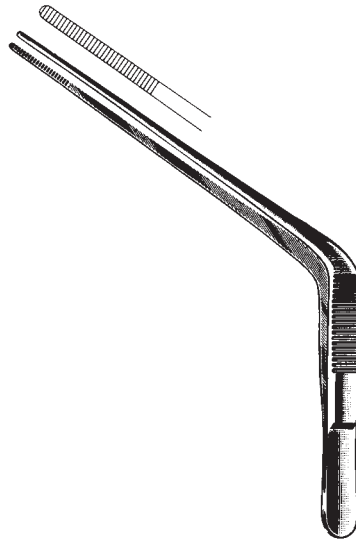
coupling head, turnable, to hold 1 flexible arm 41810-10

acoplamiento, para fijacion de un brazo flexible 41810-10

Nasenpinzetten
Nasal Forceps
Pinzas nasales



TROELTSCH
47151-15
15 cm, 6"



TROELTSCH
47151-18
18 cm, 7"

Nasenpinzetten
Nasal Forceps
Pinzas nasales



JANSEN-GRUENWALD
47154-20
20 cm, 8"

1x2



JANSEN
47155-20
20 cm, 8"

Nasenpinzetten
Nasal Forceps
Pinzas nasales



GRAEFE
11190-10 10,5 cm, 4.1"



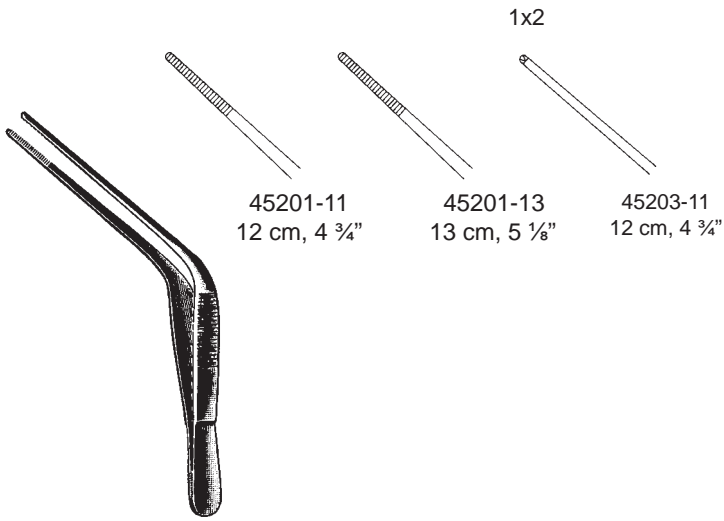
McINDOE
11258-15 15,0 cm, 6"
11259-15 TC 15,0 cm, 6"



1x2

GILLIES
11272-15 15,5 cm, 6"
11273-15 TC 15,5 cm, 6"

Nasenpinzetten
 Nasal Forceps
 Pinzas nasales



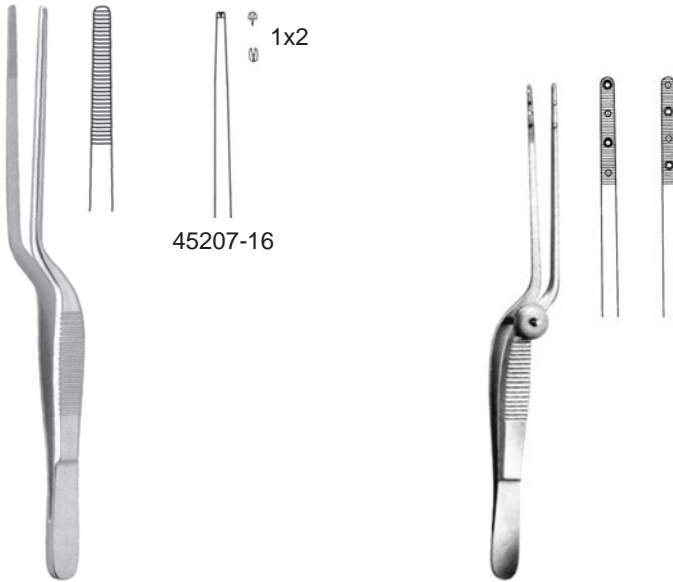
45201-11
 12 cm, 4 3/4"

45201-13
 13 cm, 5 1/8"

45203-11
 12 cm, 4 3/4"

1x2

WILDE (TROELTSCH)



45207-16

1x2

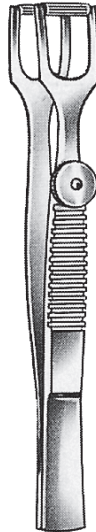
LUCAE

45206-14 14 cm, 5 1/2"
 45206-16 16 cm, 6 1/4"

COTTLE

45208-14
 14 cm, 5 1/2"

Columella-Pinzette
Columella Forceps
Pinzas para columnela



COTTLE
47565-10
10 cm, 4"

Nasentamponzangen
Nasal Dressing Forceps
Pinzas nasales para taponamiento



WESTMACOTT
47158-20 20 cm, 8"



LUBET-BARBON
47159-20 20 cm, 8"



HARTMANN
47161-16 16 cm, 6 1/4"

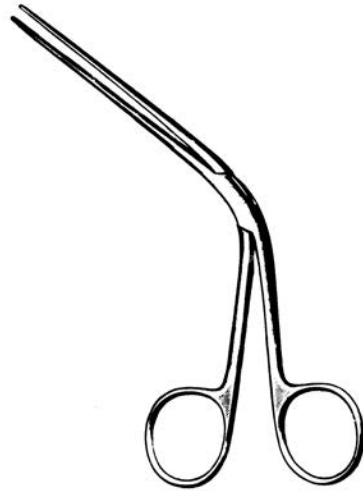


HARTMANN
47161-20 20 cm, 8"

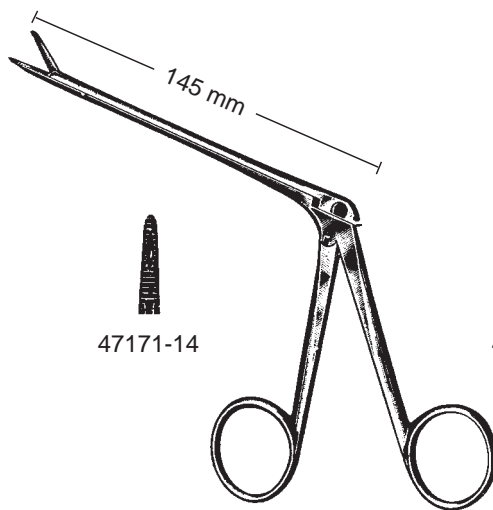
Nasentamponzangen
Nasal Dressing Forceps
Pinzas nasales para taponamiento



LISTER (Sinus)
17210-13 13 cm, 5 1/8"
17210-16 16 cm, 6 1/4"
17210-18 18 cm, 7"

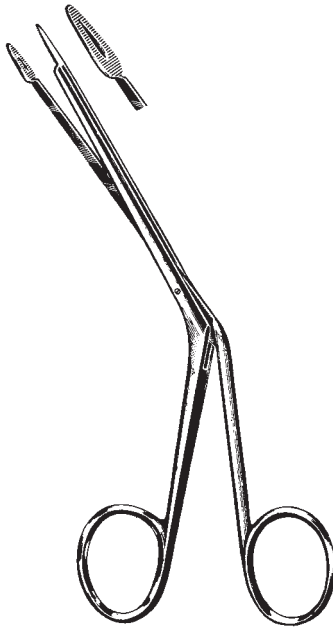


TILLEY
45243-14
14 cm, 5 1/2"

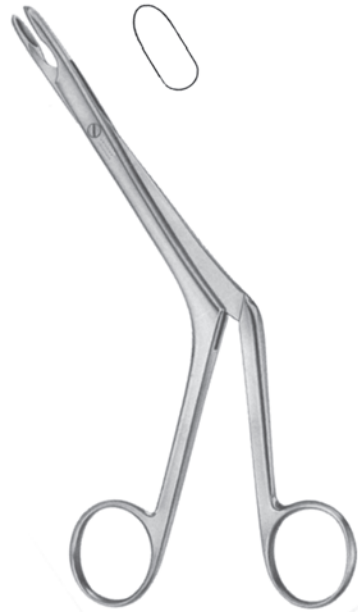


NOYES
14,5 cm, 5 3/4"

Polypenzangen
Nasal Polypus Forceps
Pinzas para pólipos

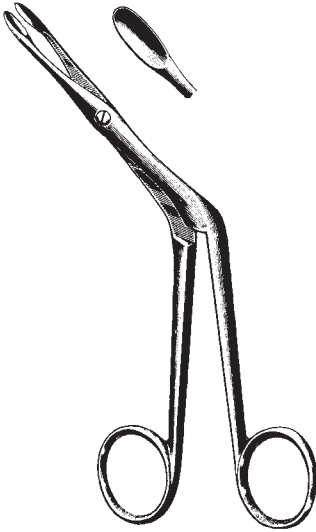


LITTAUER
47167-18
18 cm, 7"



HEYMANN-KNIGHT
47169-18
18 cm, 7"

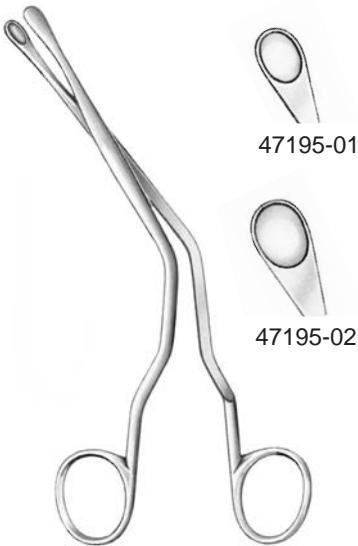
Nasen Septumzangen
Nasal Septum Forceps
Pinzas para el tabique nasal



HEYMANN
47181-18
18 cm, 7"



KNIGHT
47185-18
18 cm, 7"

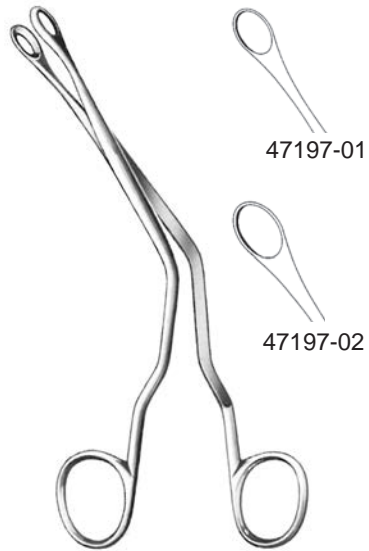


47195-01



47195-02

LUC
19 cm, 7 1/2"



47197-01



47197-02

LUC
19 cm, 7 1/2"

Nasen Septumzangen
Nasal Septum Forceps
Pinzas para el tabique nasal

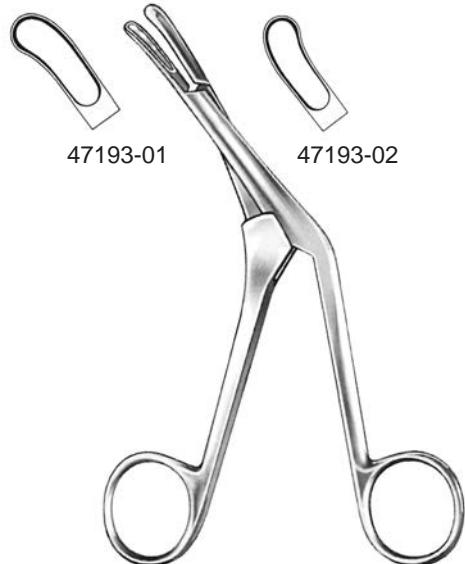


BRUENINGS
19 cm, 7 1/2"

Vomerzange
Vomer Forceps
Pinza para el vómer



CRAIG
47192-18
18 cm, 7"



CRAIG-DOMNICK
17 cm, 6 3/4"

Nasen Septumzangen
Nasal Septum Forceps
Pinzas para el tabique nasal



MIDDLETON-JANSEN
47323-19
19 cm, 7 ½"



MIDDLETON-JANSEN
47325-19
19 cm, 7 ½"

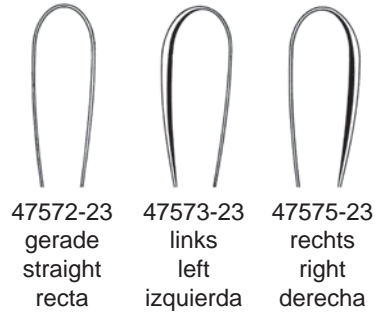
Septumrichtzangen
Septum Straightening Forceps
Pinza para enderezar el tabique nasal



ASCH
47571-23
23 cm, 9"



WALSHAM
47572-23
23 cm, 9"



Quetschzange
Morselizer Forceps
Pinza para aplastar



RUBIN
47251-21
21 cm, 8 ¼"

Polypenschnürer
Nasal Polypus Snares
Polipótomos

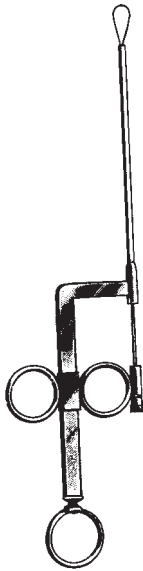


KRAUSE-VOSS
47350-26
26 cm, 10 ¼"



KRAUSE
47351-26
26 cm, 10 ¼"

Polypenschnürer
Nasal Polypus Snares
Polipótomos



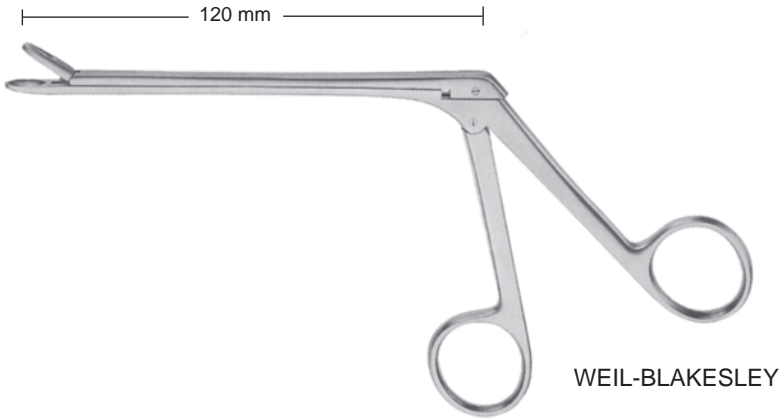
WILDE
47352-24
24 cm, 9 1/2"












Bündel mit 12 Stück
Bundle of 12 pieces
paquete de 12 piezas

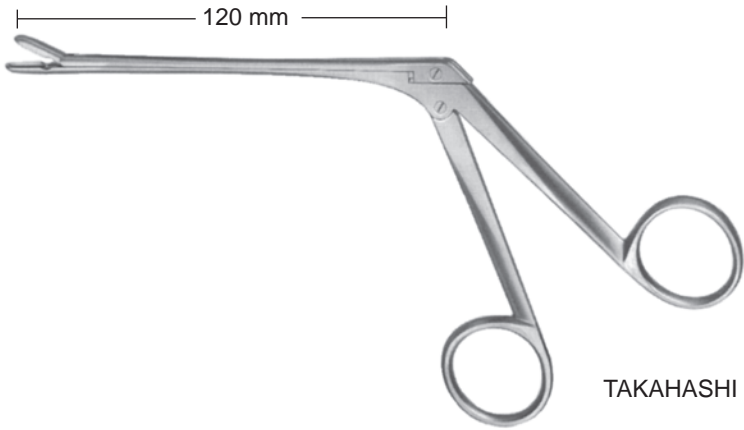
47355-03 0,3 mm

Siebbeinzangen
Ethmoid Forceps
Pinzas para etmoides



						
	Fig. 0	Fig.1	Fig. 2	Fig.3	Fig.4	Fig. 5
	47223-00 2,5 mm	47223-01 3,0 mm	47223-02 3,6 mm	47223-03 4,2 mm	47223-04 4,8 mm	47223-05 5,8 mm
	47224-00 2,5 mm	47224-01 3,0 mm	47224-02 3,6 mm	47224-03 4,2 mm	47224-04 4,8 mm	47224-05 5,8 mm
		47225-01 3,0 mm	47225-02 3,6 mm	47225-03 4,2 mm	47225-04 4,8 mm	

Siebbeinzangen
Ethmoid Forceps
Pinzas para etmoides



2,5 mm



47241-00

4 mm



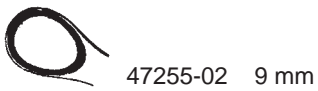
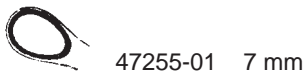
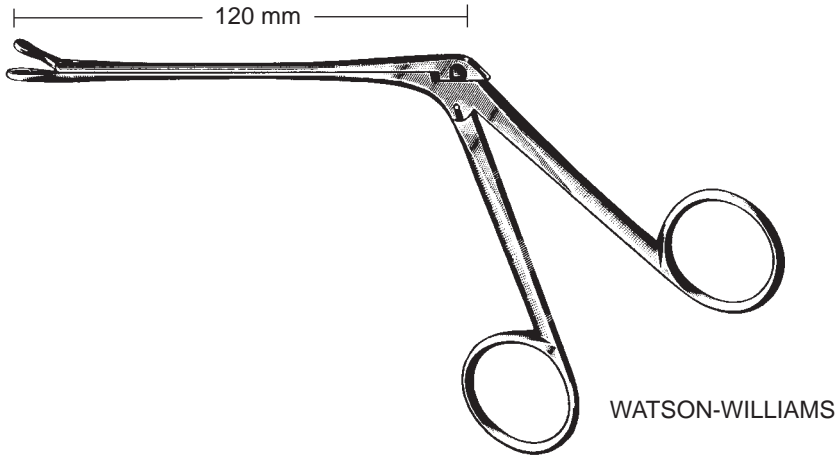
47242-00

4 mm

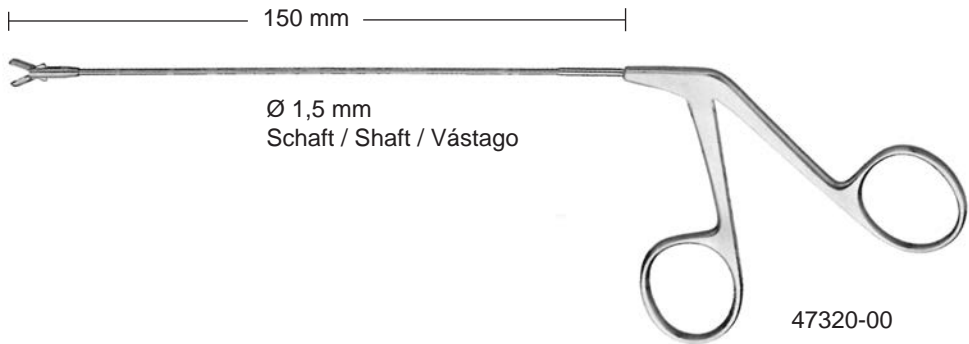


47242-01

Siebbeinzangen
Ethmoid Forceps
Pinzas para etmoides



Nasenzange
Nasal Forcep
Pinza nasal

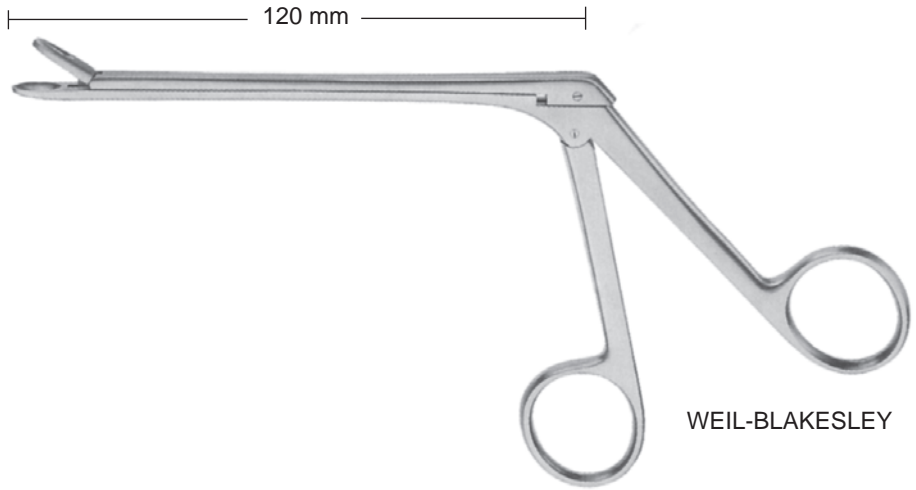


3 x 5 mm



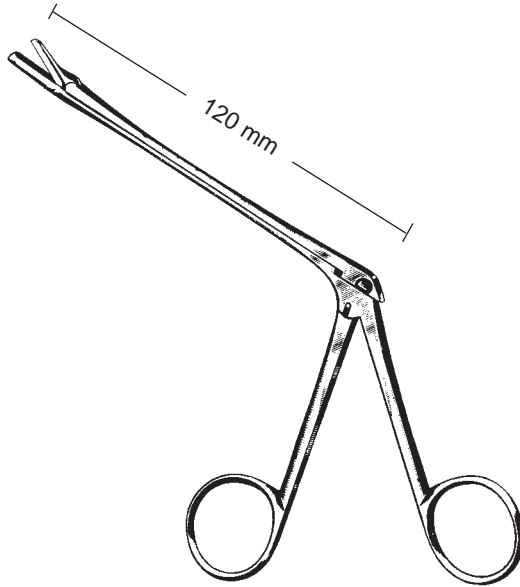
Biopsiezange mit Löffelmaul
Biopsy Forceps with cup jaw
Pinza para biopsia con boca en forma de cucharilla

Nasenzangen, durchschneidend
Nasal Cutting Forceps
Pinzas nasales cortantes





	47226-01 2,0 mm	47226-02 2,5 mm	47226-03 3,0 mm
	47227-01 2,0 mm	47227-02 2,5 mm	47227-03 3,0 mm


Nasenzangen, durchschneidend
Nasal Cutting Forceps
Pinzas nasales cortantes




STRUYCKEN
47240-19

 47235-05
5 mm

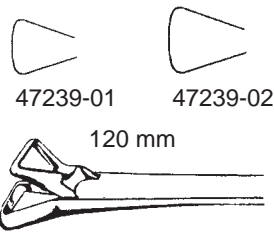
 47235-07
7 mm

 47235-09
9 mm

 47235-11
11 mm

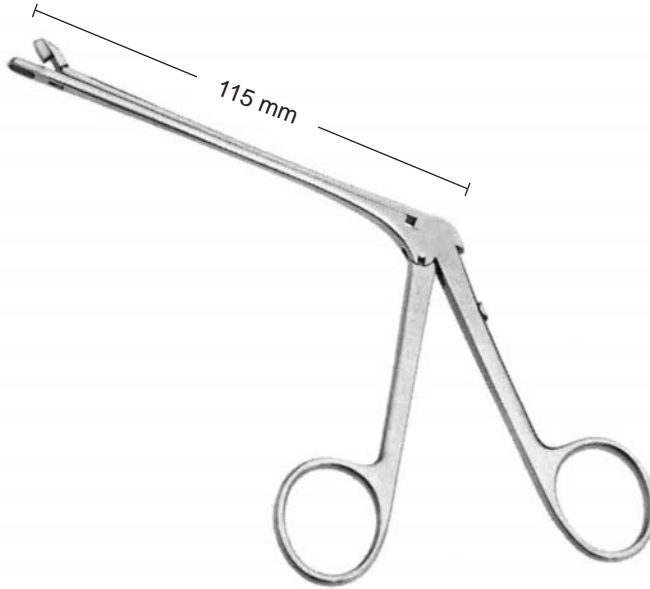


HARTMANN



SCHMEDEN

Scharfe Nasenzangen, durchschneidend
 Nasal Cutting Forceps
 Pinzas nasales cortantes



gerade
 straight
 recta



47230-00
 2,7 x 6,8 mm



47230-01
 3 x 7,7 mm

aufgewinkelt
 angled up
 angulada hacia arriba



47230-02
 2,2 x 6,5 mm



47230-03
 2,6 x 6,5 mm



47230-04
 3 x 6,5 mm

fein, gerade
 delicate, straight
 fina, recta



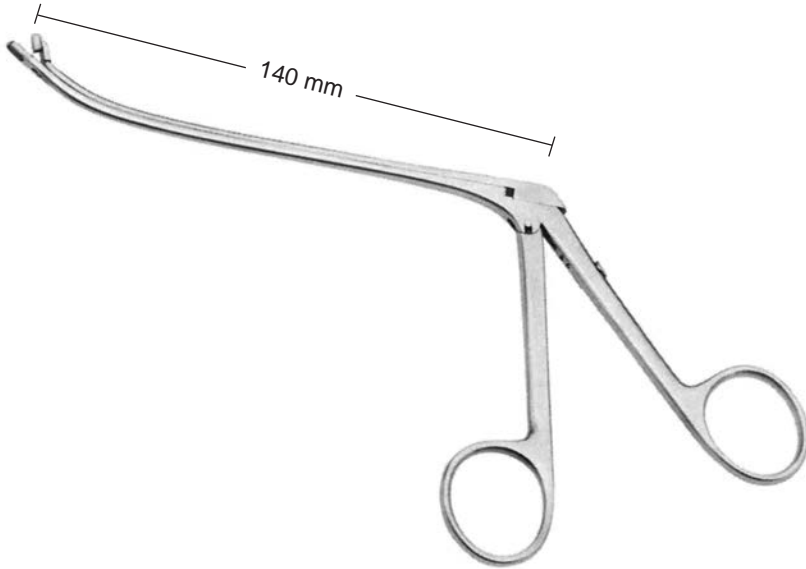
47230-05
 1,4 x 5 mm

fein, aufgewinkelt
 delicate, angled up
 fina, angulada hacia arriba



47230-06
 1,4 x 4 mm

Scharfe Nasenzangen
Nasal Cutting Forceps
Pinzas nasales cortantes



47231-00
3 x 7,4 mm

aufgebogen
curved up
curvada hacia arriba



47231-01
1,4 x 5 mm

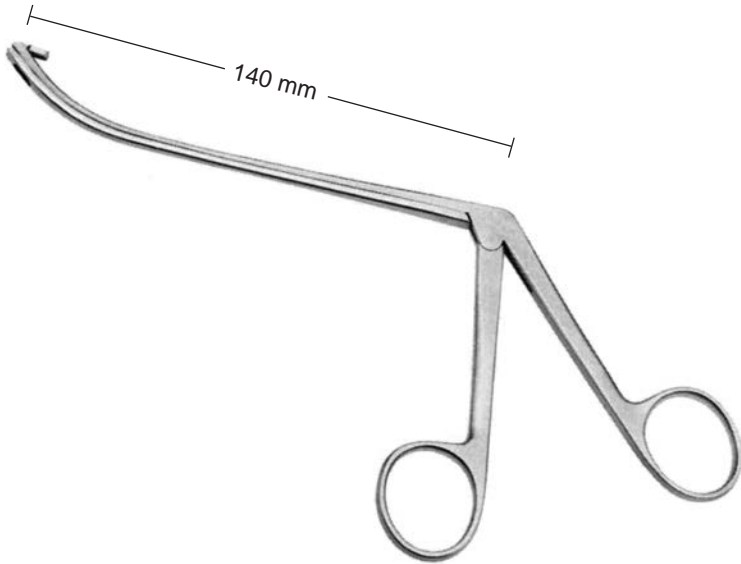
fein, aufgebogen
delicate, curved up
fina, curvada hacia arriba



47231-02
1,4 x 4 mm

fein, aufgebogen, gewinkelt
delicate, curved up, angled
fina, curvada hacia arriba, angulada

Scharfe Nasenzange
Nasal Cutting Forcep
Pinza nasal cortante



47232-00
2,6 x 4,5 mm

rückwärts schneidend, aufgebogen
backward cutting, curved up
corte retrogrado, curvada hacia arriba

Scharfe Nasenzangen
Nasal Cutting Forceps
Pinzas nasales cortantes



47233-00
3 x 5 mm

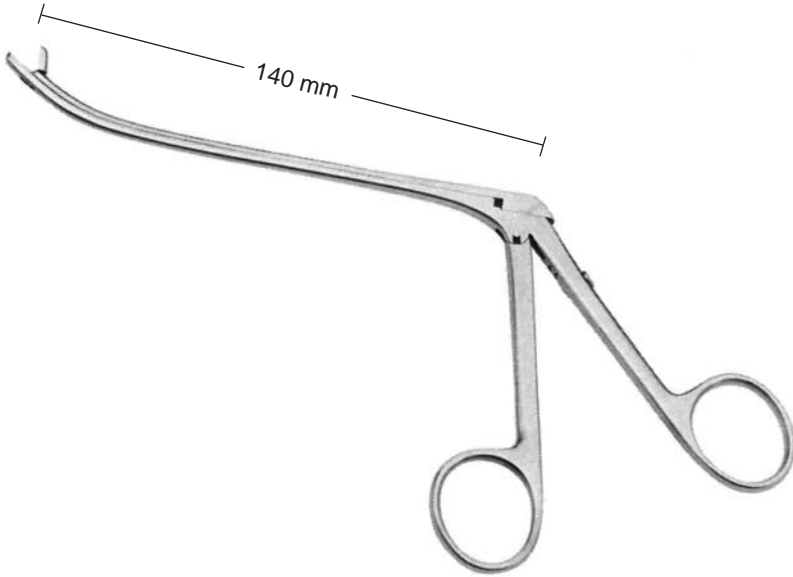
fein, gerade
delicate, straight
fina, recta



47233-01
3 x 5 mm

fein, aufgewinkelt
delicate, angled
fina, angulada hacia arriba

Scharfe Nasenzangen
Nasal Cutting Forceps
Pinzas nasales cortantes



47233-02
4 x 5 mm

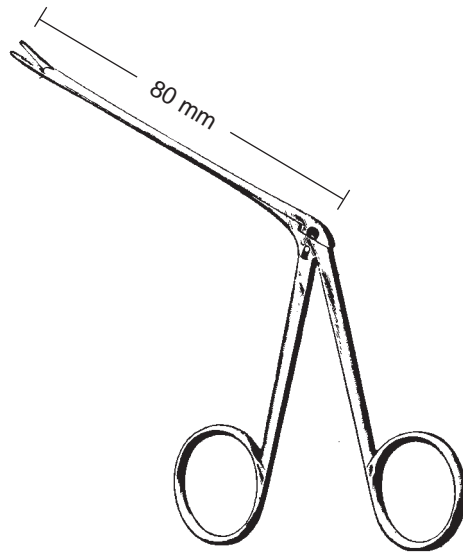
aufgebogen
curved up
curvada hacia arriba



47233-03
3 x 5 mm

fein, aufgebogen
delicate, curved up
fina, curvada hacia arriba

Fremdkörperzängchen
Ear Polypus Forceps
Pinzas para pólipos



◦ 1 mm Ø



HARTMANN-WULLSTEIN
45257-08
8,5 cm, 3.4"

○ 2 mm Ø

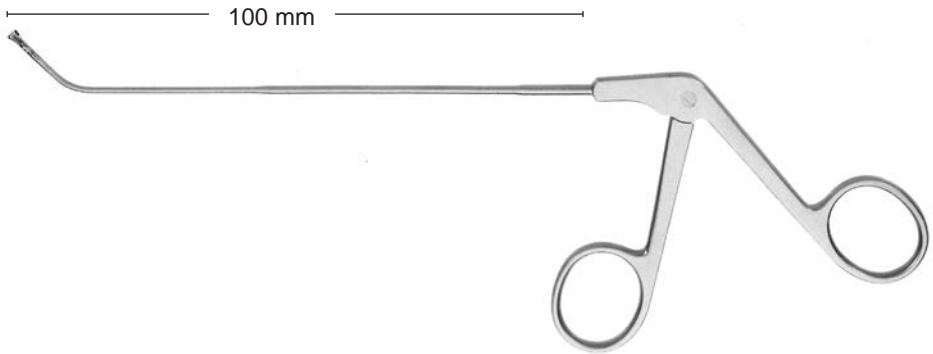


Ø mm	HARTMANN
2,0	45267-20 8,5 cm, 3.4"
2,5	45267-25 8,5 cm, 3.4"



HARTMANN-HOFFMANN
45275-08
8,5 cm, 3.4"

Kieferhöhlen-Fasszange
Maxillary Sinus Forceps
Pinza de agarre para el seno maxilar



Maulteil starr
Jaw rigid
Boca rigida

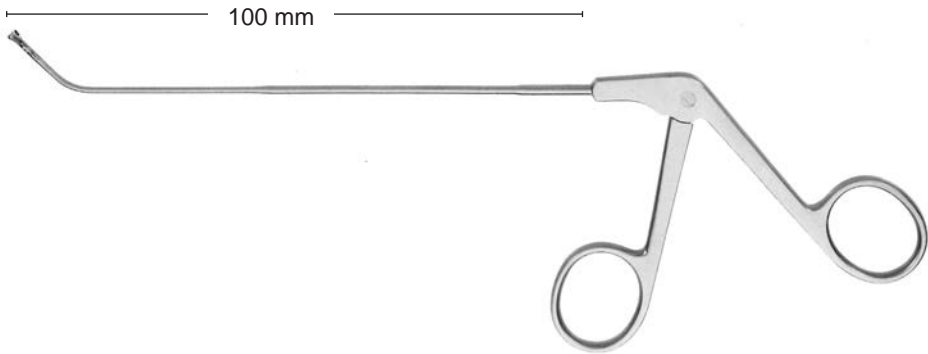


47324-01
90° rückwärts öffnend nach unten
90° backward opening downwards
apertura de 90° hacia atrás hacia abajo



47324-02
120° rückwärts öffnend nach unten
120° backward opening downwards
apertura de 120° hacia atrás hacia abajo

Kieferhöhlen-Fasszange
Maxillary Sinus Forceps
Fórceps del seno maxilar



Maulteil starr
Jaw rigid
Boca rigida



47324-05
90° rückwärts öffnend nach oben
90° backward opening top
apertura de 90° hacia atrás hacia arriba

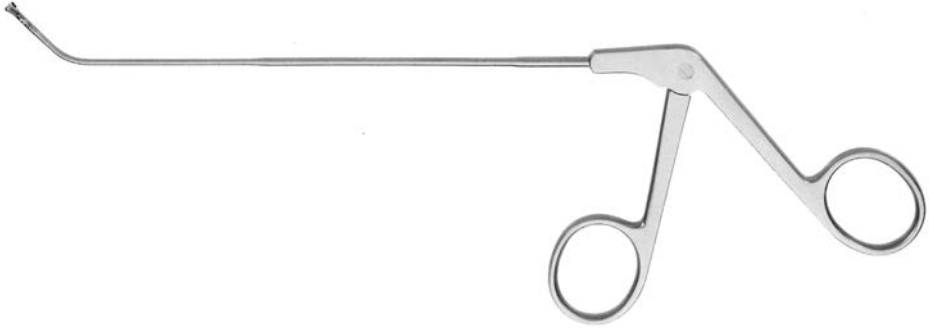


47324-04
90° rückwärts öffnend nach rechts
90° backward opening right
apertura de 90° hacia atrás hacia la derecha



47324-03
90° rückwärts öffnend nach links
90° backward opening left
apertura de 90° hacia atrás hacia la izquierda

Nasenzangen, durchschneidend
 Nasal Cutting Forceps
 Pinzas nasales cortantes



nach oben gebogen
 curved upward
 curvada hacia arriba



Doppellöffel, horizontal öffnend
 Cup, double action horizontal jaw
 Boca en forma cuchara de doble accion, boca horizontal

	70°	90°	110°
Ø 2 mm	47316-70	47316-90	47316-11
Ø 3 mm	47317-70	47317-90	47317-11
Ø 4 mm	47320-70	47320-90	47320-11



Doppellöffel, vertikal öffnend
 Cup, double action vertical jaw
 Boca en forma cuchara de doble accion, boca vertical

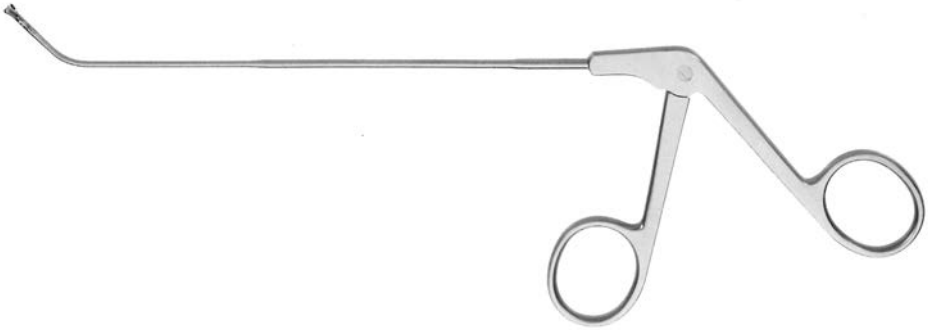
	70°	90°	110°
Ø 2 mm	47321-70	47321-90	47321-11
Ø 3 mm	47318-70	47318-90	47318-11
Ø 4 mm	47322-70	47322-90	47322-11






Doppellöffel BUTTERFLY, horizontal öffnend
 BUTTERFLY cup, double action horizontal jaw
 Boca en forma cuchara de doble accion BUTTERFLY,
 boca horizontal

	80°	100°
Ø 3 mm	47323-80	47323-10

Biopsie Stanze
Biopsy Punch
Pinza para biopsia





Biopsie Stanze, Schnitt 2,5 x 5 mm, einfach vertikalen Kiefer
Biopsy punch, cut 2.5 x 5 mm, single action vertical jaw
Pinza para biopsia, corte de 2,5 x 5 mm, boca vertical de simple accion

	Schaft Shaft Vástago	vertikal öffnend vertical opening apertura vertical	links öffnend left opening apertura a la izquierda	rechts öffnend right opening apertura a la derecha
 Arbeitslänge 90 mm Working length 90 mm Largo util de 90 mm	70° gebogen curved curvo	47325-01	47325-02	47325-03
 Arbeitslänge 105 mm Working length 105 mm Largo util de 105 mm	gerade straight recto	47326-01	47326-02	47326-03
 Arbeitslänge 105 mm Working length 105 mm Largo util de 105 mm	70° gebogen curved curvo	47327-01	47327-02	47327-03



Nasenzangen, Rohrschaft, einfachbeweglich
 Nasal Forceps, Tube Shaft, single action jaws
 Pinzas nasales, vastago tubular, simple accion

BLAKESLEY Nasenzange, Arbeitslänge 130 mm
 BLAKESLEY nasal forceps, working length 130 mm
 Pinza nasal BLAKESLEY, largo util de 130 mm

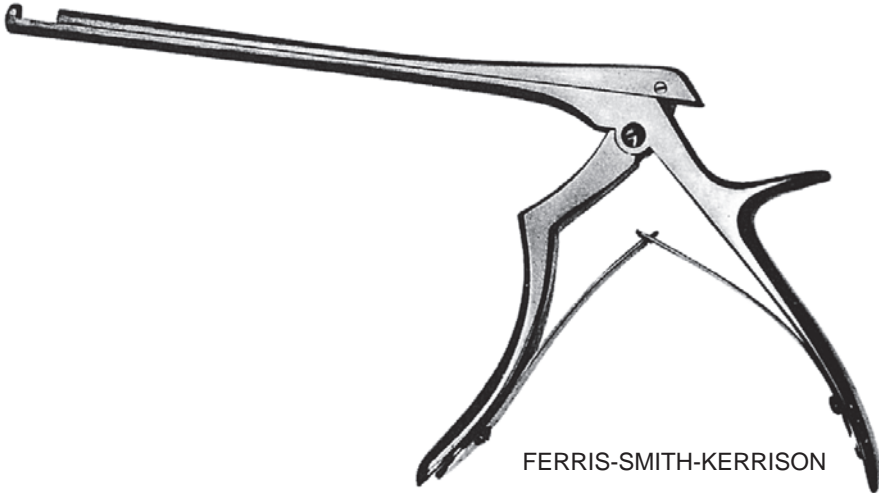
Maul gefenstert und gerade
 Jaw fenestrated, straight
 Boca fenestrada y recta

Schnitt / Cut / corte	3,0 mm	3,5 mm	4,0 mm
	47223-30	47223-35	47223-40
	47226-30	47226-35	47226-40






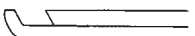
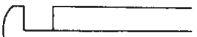

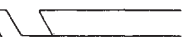

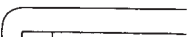


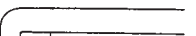

Maul gefenstert und 45° nach oben abgewinkelt
 Jaw fenestrated and 45° angled upwards
 Boca fenestrada y angulada hacia arriba en 45°

Schnitt / Cut / corte	3,0 mm	3,5 mm	4,0 mm
	47224-30	47224-35	47224-40
	47227-30	47227-35	47227-40

Knochenstanzen
Bone Punch
Pinzas para huesos



FERRIS-SMITH-KERRISON

	90°	90°	40°
18 cm, 7"	 41510-01 1 mm	 41511-01 1 mm	 41512-01 1 mm
18 cm, 7"	 41510-02 2 mm	 41511-02 2 mm	 41512-02 2 mm
18 cm, 7"	 41510-03 3 mm	 41511-03 3 mm	 41512-03 3 mm
18 cm, 7"	 41510-04 4 mm	 41511-04 4 mm	 41512-04 4 mm
18 cm, 7"	 41510-05 5 mm	 41511-05 5 mm	 41512-05 5 mm

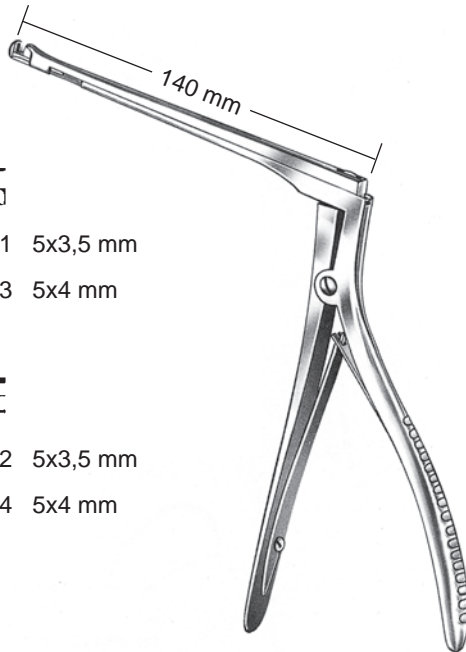
auch lieferbar mit Dünnpfuß
also available with thin foot plate
tambien disponible con lámina de punzonar estrecha

Stanzen
Punches
Pinzas



KERRISON
17 cm, 6 3/4"

- 3x3 mm 47303-03
- 4x4 mm 47303-04
- 5x5 mm 47303-05
- 6x6 mm 47303-06



∩ 47304-01 5x3,5 mm

∩ 47304-03 5x4 mm



U 47304-02 5x3,5 mm

U 47304-04 5x4 mm

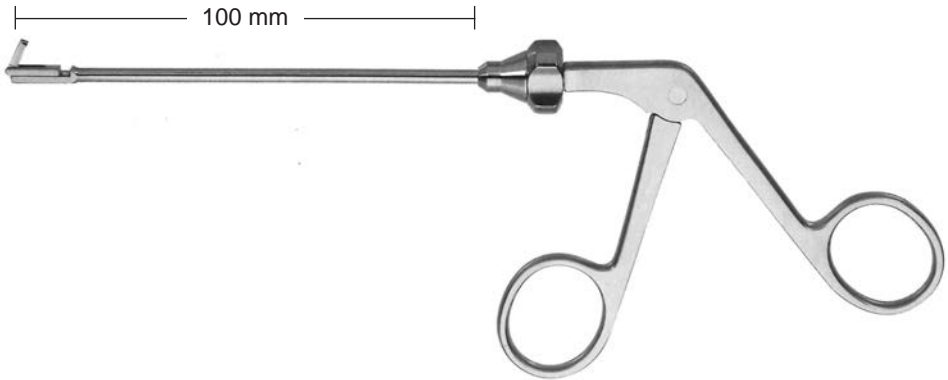
HAJEK-KOFLER

Stanze
Punch
Pinza



HAJEK-KOFLER
47316-16
3,5 mm

Antrumstanzen
Antrum Punches
Pinzas para antro



Retro Stanzen
Retro Punches
Pinza retrograda



Ø 4,5 mm

starr, Schnitt 2,5 x 6,5 mm
rigid, cut 2.5 x 6.5 mm
rigida, corte 2,5 x 6,5 mm

- 47310-00 rechts schneidend / right cutting / corte hacia la derecha
- 47311-00 links schneidend / left cutting / corte hacia la izquierda
- 47312-00 nach oben schneidend / upward cutting / corte hacia arriba
- 47313-00 nach unten schneidend / downward cutting / corte hacia abajo



Ø 3,0 mm

starr, Schnitt 2,0 x 5,0 mm
rigid, cut 2.0 x 5.0 mm
rigida, corte 2,0 x 5,0 mm

- 47316-00 rechts schneidend / right cutting / corte hacia la derecha
- 47317-00 links schneidend / left cutting / corte hacia la izquierda
- 47315-00 nach oben schneidend / upward cutting / corte hacia arriba
- 47314-00 nach unten schneidend / downward cutting / corte hacia abajo

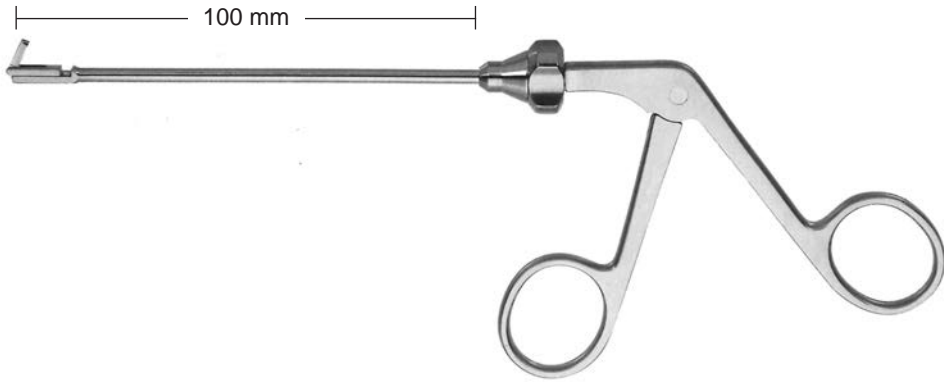


Ø 3,0 mm

Schnitt 2,0 x 5,0 mm
Cut 2.0 x 5.0 mm
corte 2,0 x 5,0 mm

- 47318-00 **360° drehbar / rotatable / giratoria**

Antrumstanzen
Antrum Punches
Pinzas para antro



Retro Stanzen, für Kinder
Retro punches, for children
Pinza retrograda, para niños



Ø 3,0 mm

starr, Schnitt 1,5 x 3,5 mm
rigid, cut 1.5 x 3.5 mm
rigida, corte 1,5 x 3,5 mm

- 47321-00 rechts schneidend / right cutting / corte hacia la derecha
- 47322-00 links schneidend / left cutting / corte hacia la izquierda
- 47323-00 nach oben schneidend / upward cutting / corte hacia arriba
- 47324-00 nach unten schneidend / downward cutting / corte hacia abajo

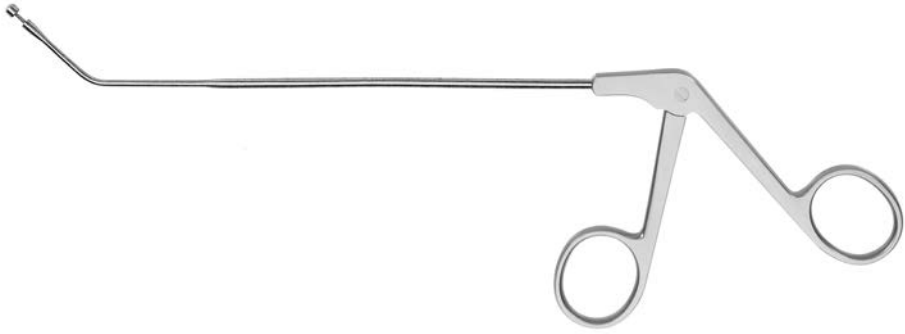


Ø 3,0 mm

Schnitt 1,5 x 3,5 mm
Cut 1.5 x 3.5 mm
corte 1,5 x 3,5 mm

- 47325-00 **360° drehbar / rotatable / giratoria**

Zirkular Stanze
Circular Punch
Pinza circular



360° schneidend / cutting / cortante

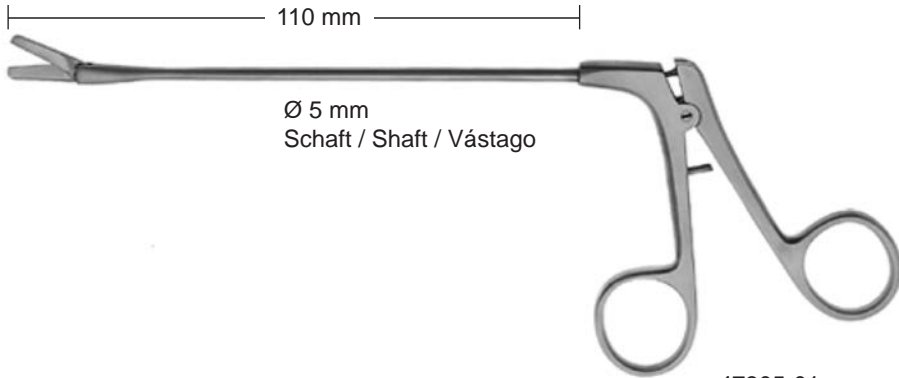
gerader Schaft
shaft straight
vástago recto

45° nach oben gebogen
45° curved upward
curvada hacia arriba en 45°

Ø 3,5 mm 47319-35
Ø 4,5 mm 47319-45

47320-35
47320-45

Nasenscheren
Nasal Scissors
Tijeras nasales



47305-01
gerade
straight
recta



47305-02
rechts gebogen
right curved
curvada hacia la derecha



47305-03
links gebogen
left curved
curvada hacia la izquierda

Präparierscheren
Dissecting Scissors
Tijeras de disección



METZENBAUM



09280-12	12 cm, 4 $\frac{3}{4}$ "	09281-12
09284-12 TC	12 cm, 4 $\frac{3}{4}$"	09285-12 TC
09966-11 SC	12 cm, 4 $\frac{3}{4}$"	09967-11 SC
09280-15	15 cm, 6"	09281-15
09284-15 TC	15 cm, 6"	09285-15 TC
09970-14 SC	15 cm, 6"	09971-14 SC
09280-18	18 cm, 7"	09281-18
09284-18 TC	18 cm, 7"	09285-18 TC
09970-18 SC	18 cm, 7"	09971-18 SC

Präparierscheren
Dissecting Scissors
Tijeras de disección



METZENBAUM



09270-15
09270-18

15 cm, 6"
18 cm, 7"



09271-15
09271-18

09274-15 TC
09274-18 TC

15 cm, 6"
18 cm, 7"

09275-15 TC
09275-18 TC



METZENBAUM-FINO



09282-15
09286-15 TC

15 cm, 6"
15 cm, 6"



09283-15
09287-15 TC

09282-18
09286-18 TC

18 cm, 7"
18 cm, 7"

09283-18
09287-18 TC

Präparierscheren
Dissecting Scissors
Tijeras de disección



SANVENERO



09302-14

14 cm, 5 1/2"



09303-14



JOSEPH



09304-14

14 cm, 5 1/2"



09305-14

Präparierscheren
Dissecting Scissors
Tijeras de disección

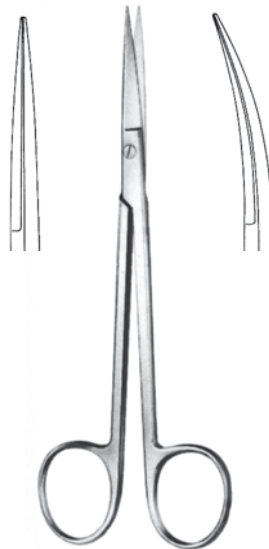


KILNER (RAGNELL)

09310-12	12 cm, 4 ¾"
09314-12 TC	12 cm, 4 ¾"
09995-12 SC	12 cm, 4 ¾"
09310-15	15 cm, 6"

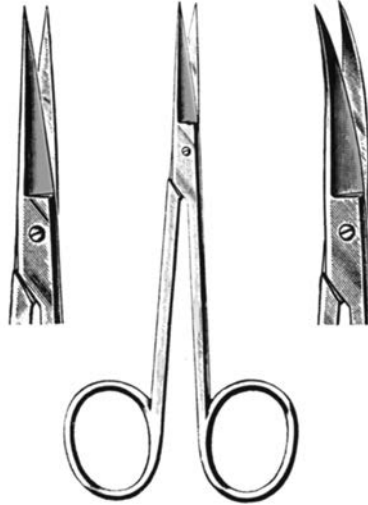


REYNOLDS (JAMESON)
09321-15 15 cm, 6"
09993-15 SC 15 cm, 6"
09321-18 18 cm, 7"



KELLY
09540-16 16 cm, 6 ¼" 09541-16
09542-16 TC 16 cm, 6 ¼" **09543-16 TC**
09544-16 SC 16 cm, 6 ¼" **09545-16 SC**

Feine Scheren
Delicate Scissors
Tijeras finas



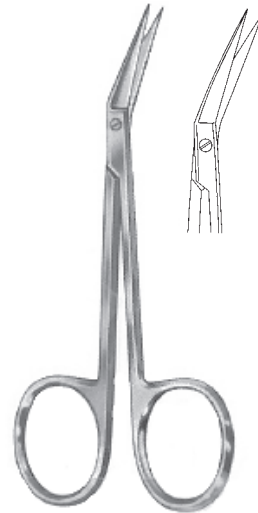
IRIS

09340-09	9 cm, 3 1/2"	09341-09
09340-10	10 cm, 4"	09341-10
09340-11	11 cm, 4 3/8"	09341-11
09344-11 TC	11 cm, 4 3/8"	09345-11 TC
09980-11 SC	11 cm, 4 3/8"	09981-11 SC



BONN

09342-08 8 cm, 3 1/8" 09343-08



IRIS

09346-11
11 cm, 4 3/8"

Feine Scheren
Delicate Scissors
Tijeras finas



KNAPP
10 cm, 4"



09348-01



09348-02



09348-03



09348-04



09348-05



09348-06

Feine Scheren
Delicate Scissors
Tijeras finas



LITTLER
09349-12
12 cm, 4 ³/₄"



GRAEFE
09350-10
10 cm, 4"

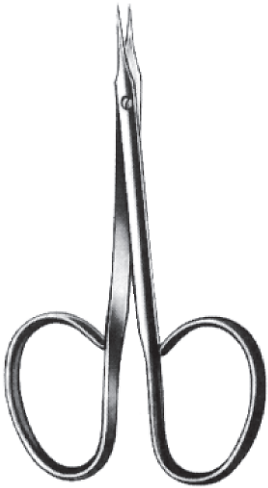


CONVERSE/WILMER/WALTER
09352-10
10 cm, 4"



COTTLE
09358-11
11 cm, 4 ³/₈"

Feine Scheren
Delicate Scissors
Tijeras finas



GRADLE
09350-09 9,5 cm, 3 3/4" 09351-09



09352-09 9,5 cm, 3 3/4" 09353-09

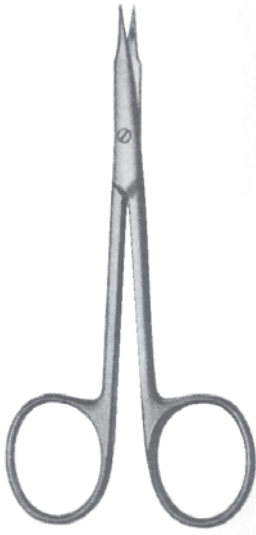


09354-10 10 cm, 4" 09355-10



09356-10 10 cm, 4" 09357-10

Feine Scheren
Delicate Scissors
Tijeras finas



STEVENS
11 cm, 4 $\frac{3}{8}$ "

spitz
sharp
aguda



09360-11
09984-11SC



09361-11
09985-11 SC

stumpf
blunt
roma



09362-11



09363-11



STRABISMUS
09370-11 11 cm, 4 $\frac{3}{8}$ " 09371-11
09374-11TC 11 cm, 4 $\frac{3}{8}$ " 09375-11TC

Feine Scheren
Delicate Scissors
Tijeras finas



WAGNER
12 cm, 4 3/4"



09828-12



09826-12



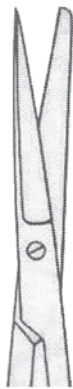
09824-12
09982-12SC



WAGNER
12 cm, 4 3/4"



09823-12



09829-12



09825-12
09983-12 SC

Nasenscheren
Nasal Scissors
Tijeras nasales



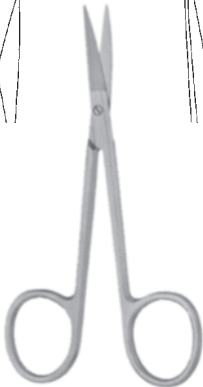
HEYMAN
09401-18 18 cm, 7"



FOMON
09403-15 15 cm, 6"



COTTLE
09405-16 16 cm, 6 1/4"
09405-16TC 16 cm, 6 1/4"



COTTLE-MASING
09406-10 10 cm, 4" 09407-10



FOMON
09617-13 13 cm, 5 1/8"

Fadenscheren
Stitch Scissors
Tijeras para hilos



SPENCER
09802-09 9 cm, 3 1/2"
09802-11 11 cm, 4 3/8"

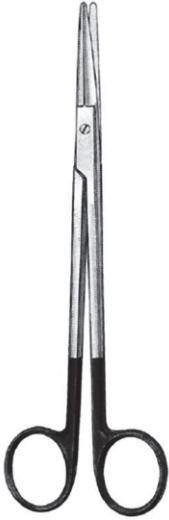


LITTAUER
09804-14
14 cm, 5 1/2"



O`BRIEN
09805-09
9 cm, 3 1/2"

Face Lift Scheren
 Face Lift Scissors
 Face Lift tijeras



GORNEY
 19 cm, 7 1/2"

10010-19

10012-19 TC

10014-19 SC

10011-19

10013-19 TC

10015-19 SC



GORNEY-FREEMAN

10061-19 19 cm, 7 1/2"

10061-19 TC 19 cm, 7 1/2"

10061-19 SC 19 cm, 7 1/2"

10061-23 23 cm, 9"

10061-23 TC 23 cm, 9"

10061-23 SC 23 cm, 9"

Face Lift Scheren
 Face Lift Scissors
 Face Lift tijeras



KAYE

10028-14 TC	14 cm, 5 1/2"	10029-14 TC
10034-14 SC	14 cm, 5 1/2"	10035-14 SC
10030-18 TC	18 cm, 7"	10031-18 TC
10036-18 SC	18 cm, 7"	10037-18 SC
10032-23 TC	23 cm, 9"	10033-23 TC
10038-23 SC	23 cm, 9"	10039-23 SC



PECK-JOSEPH

10044-14	14,5 cm, 5 3/4"	10045-14
10048-14 SC	14,5 cm, 5 3/4"	10049-14 SC



BEUSE

10050-14	14 cm, 5 1/2"	10051-14
10050-18	18 cm, 7"	10051-18

Blepharoplastik Scheren
Blepharoplasty Scissors
Tijeras para blefaroplastia



GREENBERG-PAR
10201-11 11,5 cm, 4 ½"
10201-11SC 11,5 cm, 4 ½"



KAYE
10206-11 11,5 cm, 4 ½" 10207-11
10206-11SC 11,5 cm, 4 ½" **10207-11SC**

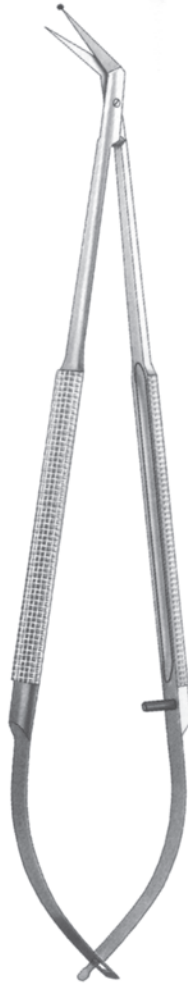
Mikro Scheren
Micro Scissors
Micro tijeras



11 cm, 4 $\frac{3}{8}$ "	10202-11	10203-11
14,5 cm, 5 $\frac{3}{4}$ "	10202-14 10202-14T	10203-14 10203-14T
18 cm, 7"	10202-18 10202-18T	10203-18 10203-18T

T= Titan, titanium, titanio

Mikro Scheren
Micro Scissors
Micro tijeras



18 cm, 7"



25°

10220-25

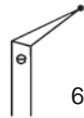
10220-25T



45°

10220-45

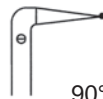
10220-45T



60°

10220-60

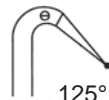
10220-60T



90°

10220-90

10220-90T



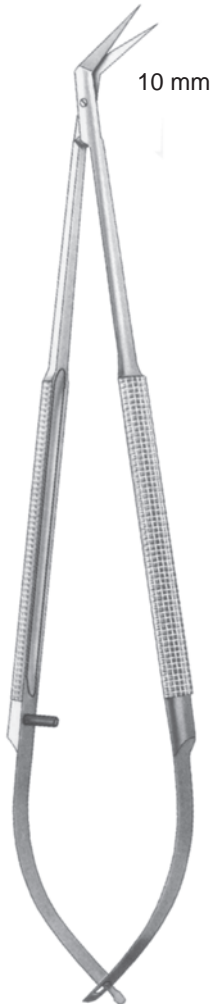
125°

10220-00






10220-00T

T= Titan, titanium, titanio

Mikro Scheren
Micro Scissors
Micro tijeras



10 mm

	11 cm 4 3/8"	14,5 cm 5 3/4"	18 cm 7"
 25°	10226-11	10226-14	10226-18 10226-18T
 45°	10227-11	10227-14	10227-18 10227-18T
 60°	10228-11	10228-14	10228-18 10228-18T
 90°	10229-11	10229-14	10229-18 10229-18T
 125°	10230-11	10230-14	10230-18 10230-18T

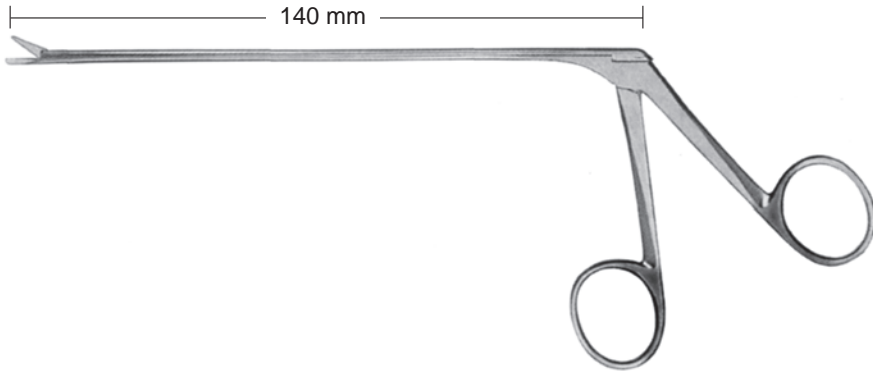
T= Titan, titanium, titanio

Nasenschere
Nasal Scissor
Tijera nasal



CAPLAN
47256-20
20 cm, 8"

Tumorschere
Tumor Scissors
Tijera para tumores



93755-14

gerade
straight
recta



93756-14

rechts gebogen
curved right
curvada hacia la derecha



93757-14

links gebogen
curved left
curvada hacia la izquierda

Knochensplitterzangen
Bone Cutting Forceps
Pinzas cortantes para huesos



COTTLE-KAZANJIAN
33282-19
19 cm, 7 ½"



MC INDOE
33283-17
17 cm, 6 ¾"

Nadelhalter
Needle Holders
Porta-agujas



DERF
25110-12 12 cm, 4 3/4" **25114-12 TC**



WEBSTER
25128-13 13 cm, 5 1/8"
25129-13 TC 13 cm, 5 1/8"

BABY-WEBSTER
25136-11 11 cm, 4 3/8"
25137-11 TC 11 cm, 4 3/8"



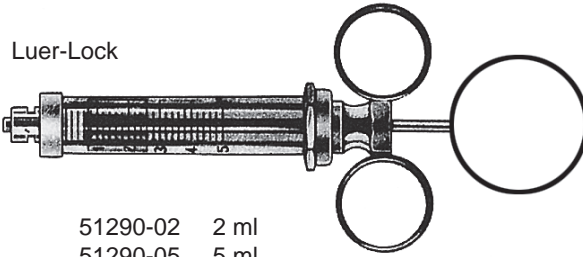
HALSEY
25130-13 13 cm, 5 1/8" 25140-13
25134-13 TC 13 cm, 5 1/8" 25144-13 TC



CRILE-WOOD
25160-15 15 cm, 6" **25164-15 TC**

Saug- und Spülinstrumente
Suction and Irrigation Instruments
Instrumentos de aspiración y irrigación

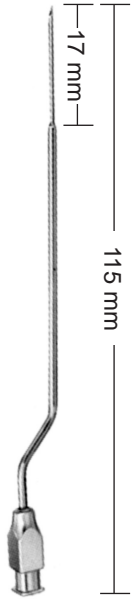
Luer-Lock



- 51290-02 2 ml
- 51290-05 5 ml
- 51290-10 10 ml
- 51290-20 20 ml



51291-00
2,5 mm Ø



51293-00
0,8 mm Ø



51292-00



51293-45
45°



51293-90
90°

Saugrohre
Suction Tubes
Tubos de aspiración

Koagulations-Saugrohr, gerade
Coagulation Suction Tube, straight
Tubo de succión y coagulación, recto



41312-10
Nutzlänge 10 cm, 4"
Working length 10 cm, 4"
Largo útil 10 cm, 4"

41312-26
Nutzlänge 26 cm, 10 ¼"
Working length 26 cm, 10 ¼"
Largo útil 26 cm, 10 ¼"

Kabelanschluß männlich
Cable connector male
Conexion del cable macho

Spülkanülen
Irrigating Tubes
Canulas irrigadoras

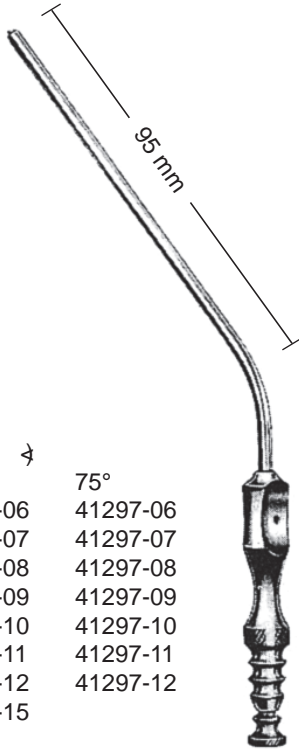


EICKEN (KILLIAN)
14,5 cm, 5 3/4"
Ø

47331-20	2,0 mm	47332-20
47331-25	2,5 mm	47332-25
47331-30	3,0 mm	47332-30
47331-40	4,0 mm	47332-40

KILLIAN
Ø 1,5 mm
47345-15

Saugkanülen
Suction Tubes
Cánulas aspiradoras

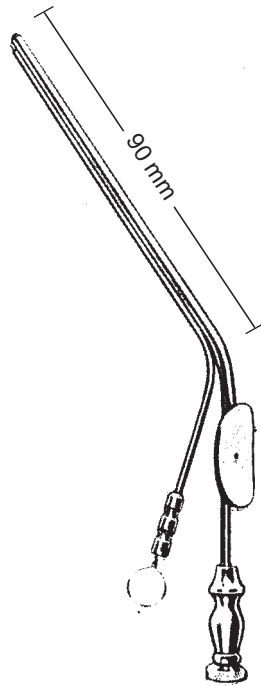


Charr.	F.G.	30°	75°
6	41295-06		41297-06
7	41295-07		41297-07
8	41295-08		41297-08
9	41295-09		41297-09
10	41295-10		41297-10
11	41295-11		41297-11
12	41295-12		41297-12
15	41295-15		

FRAZIER/FERGUSSON
19 cm, 7 ½"

FERGUSSON
41294-40
18 cm, 7"
ø 4 mm, 90°

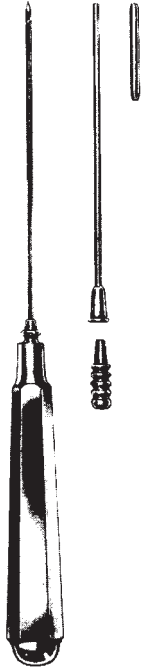
Saugrohre
Suction Tubes
Tubos de aspiración



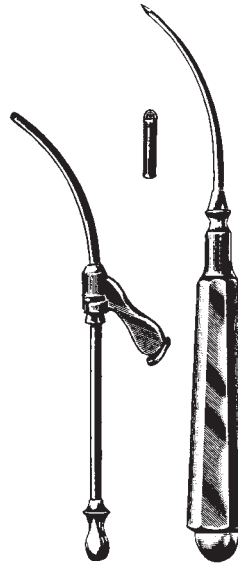
HOUSE
9 cm, 3 ½"

41303-09	Ø 0,9 x 0,7 mm
41303-12	Ø 1,2 x 0,9 mm
41303-15	Ø 1,5 x 1,2 mm
41303-18	Ø 1,8 x 1,8 mm
41303-25	Ø 2,5 x 2,0 mm
41303-30	Ø 3,0 x 2,0 mm
41303-45	Ø 4,5 x 2,0 mm

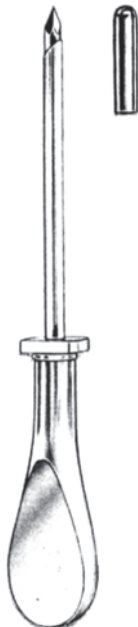
Trokare
Trocars
Trócares



LICHTWITZ
23128-19 1,75 mm Ø



COAKLEY
23140-02 2,25 mm Ø



SINOSKOPIE TROKAR
Universal
8,5 cm, 3.4"

23181-40 für Optik mit Ø 4,0 mm
for optics Ø 4,0 mm
para la óptica de Ø 4,0 mm

Nasenmesser
Nasal Knives
Bisturies nasales



JOSEPH
16 cm, 6 ¼"



47370-16 47371-16
stumpf, blunt,
romos



47372-16 47373-16
spitz, pointed,
agudos



FREER
47374-16
16,5 cm, 6 ½"

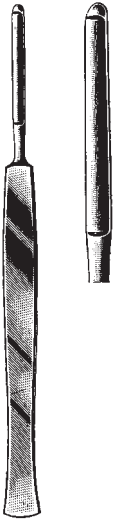


JOSEPH
47375-16
16,5 cm, 6 ½"

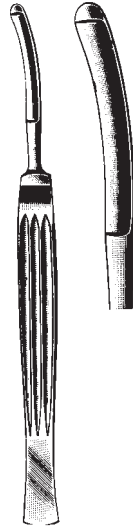


FREER
47375-19
19 cm, 7 ½"

Nasenplastik- und Operationsmesser, Sichelmesser
 Rhinoplastic and Nasal Knives, Septum Sickle Knives
 Bisturries para plastica y operaciones de la nariz, Bisturries para el tabique nasal



JOSEPH
 47376-16
 16 cm, 6 1/4"



CONVERSE
 47379-16
 16 cm, 6 1/4"



COTTLE
 47380-15
 15 cm, 6"



COTTLE
 47382-15
 15 cm, 6"



JOSEPH
 47384-15
 15 cm, 6"



JOSEPH
 47385-15
 15 cm, 6"



REDA
 19 cm, 7 1/2"



47386-01
 spitz
 pointed
 agudo



47386-02
 stumpf
 blunt
 romo

Schwingmesser
Septum Swivel Knives
Bisturios para el tabique nasal



BALLENGER
20 cm, 8"



47390-03
3 mm



47390-04
4 mm



47390-05
5 mm



47392-03
3 mm



47392-04
4 mm



47392-05
5 mm

Submukosamesser, Knorpelritzmesser
Submucosa Knife, Cartilage Knife
Cuchillo para submucosa, Cuchillo para rajar cartilagos



FREER-INGALS
47372-17
17 cm, 6 ¾"



MASING
47377-13
13 cm, 5 1/8"

Dermatome
Dermatome
Dermàtomos



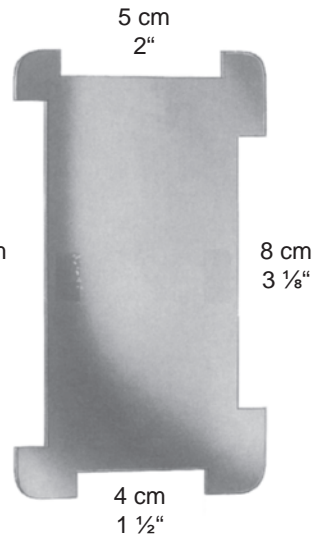
SCHINK
07490-00
30 cm, 11 3/4"

compl.
mit/with/con
07490-01 (1) Stk./pcs
07490-02 (2) Stk./pcs



07490-01

Ersatzklinge
Spare blade
Hoja de repuesto



07490-02

Spannplatte
Skin straightening plate
Placa para extender la piel

Dermatome
Dermatome
Dermátomos



HUMBY
07495-31
31 cm, 12 ¼"



SILVER
07498-00
19 cm, 7 ½"



WATSON
07499-00
30 cm, 11 ¾"

Ersatzklingen, unsteril / Spare blade, non sterile
Hoja de repuesto, no esteril

07496-31

07296-00

07499-01

Septum Elevatoren
Septum Elevators
Elevadores para el tabique



McKENTY
15 cm, 6"



47410-04
4 mm



47410-05
5 mm



HALLE
47410-16
16,5 cm, 6 1/2"



JOSEPH
47411-16
16 cm, 6 1/4"



ROGER
47413-19
19 cm, 7 1/2"



MASING
47414-21
21 cm, 8"

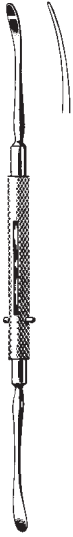


5 mm



5 mm

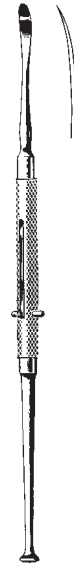
Septum Elevatoren
Septum Elevators
Elevadores para el tabique



FREER
47415-18
18 cm, 7"



FREER
47417-19
19 cm, 7 1/2"



FREER
47419-19
19 cm, 7 1/2"



KILLIAN
47420-01
18,5 cm, 7 1/4"



PIERCE
47420-02
21 cm, 8 1/4"



SINUS
47420-03
18 cm, 7"

Septum Elevatoren
Septum Elevators
Elevadores para el tabique



PENNINGTON
47420-04
21 cm, 8 1/4"



McKENTY
47420-20
22 cm, 8 3/4"



HOWARTH
47421-21
21,5 cm, 8 1/2"



COTTLE
47421-23
23 cm, 9"

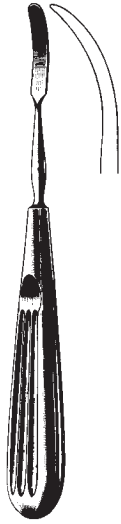


COTTLE JOSEPH
47422-22
22 cm, 8 3/4"



COTTLE
47423-22
22 cm, 8 3/4"

Septum Elevatoren
Septum Elevators
Elevadores para el tabique



COTTLE
47424-16
16 cm, 6 ¼"



COTTLE
47425-19
19 cm, 7 ½"



KILLIAN
47426-22
22 cm, 8 ¾"



HAJEK-BALLENGER
47428-21
22 cm, 8 ¾"



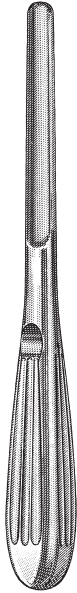
BALLENGER
47430-22
22 cm, 8 ¾"

Elevatoren
Elevators
Elevadores

Nasenfraktur-Elevator
Nasal fracture elevator
Elevador para fracturas nasales

Septumfraktur-Elevator
Septum fracture elevator
Elevador para fracturas del tabique nasal

9 mm



BOIES
33720-19
19 cm, 7 ½"

6 mm



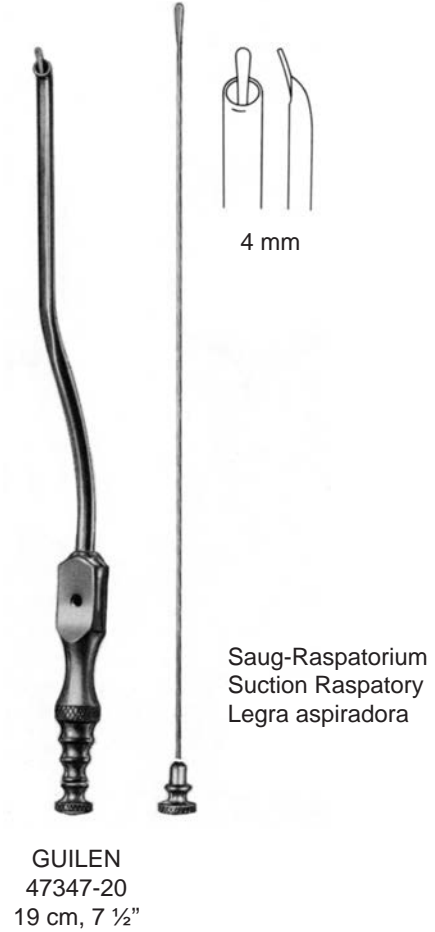
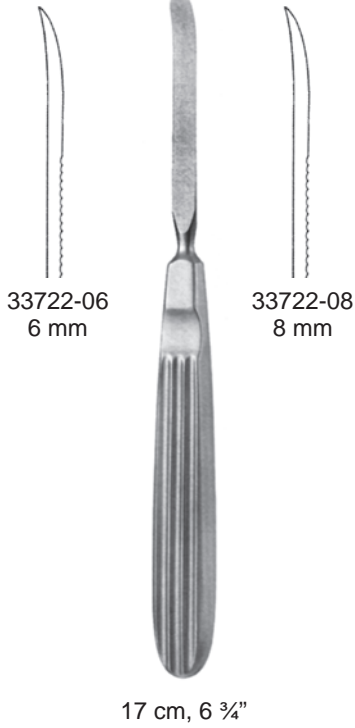
GOLDMANN
33720-20
20 cm, 8"



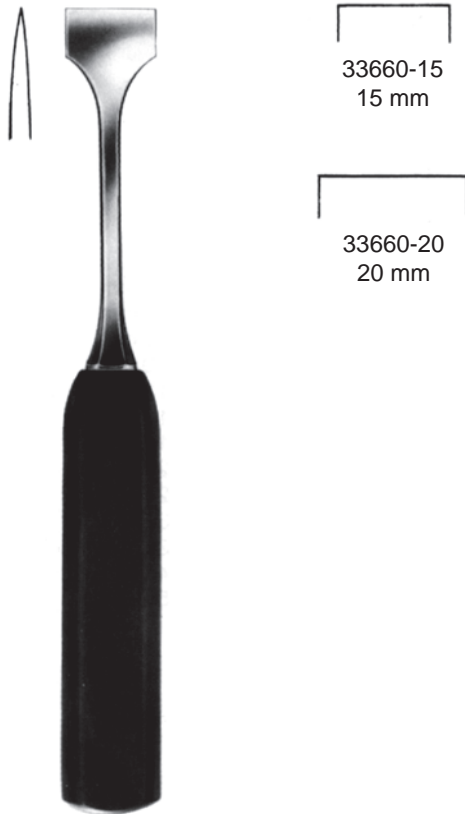
Antrum-Elevator
Antrum Elevator
Elevador para el antro

SEWALL
47412-20
20 cm, 8"

Raspatorien
Raspatories
Periostótomos

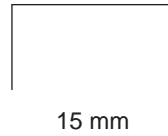
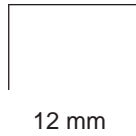


Osteotom mit Ferrozellgriff
Osteotome with Ferrozell-Handle
Osteótomo con mango de Ferrozell



LEXER
22 cm, 8 3/4"

Osteotome
 Osteotomes
 Osteotomo



MINI-LAMBOTTE

12,5 cm, 5"	mm	17 cm, 6 ¾"
33654-02	2	33652-02
33654-03	3	33652-03
33654-04	4	33652-04
33654-06	6	33652-06
33654-08	8	33652-08
33654-10	10	33652-10
33654-12	12	33652-12
33654-15	15	33652-15

Septum Meißel
Rhinoplastic Chisels
Cinceles para la plàstica nasal

4 mm



FREER
47450-04
15 cm, 6"

4 mm



FREER
47451-04
15 cm, 6"

Septum Meißel
Rhinoplastic Chisels
Cinceles para la plástica nasal



COTTLE
18 cm, 7"



47454-04
4 mm



47454-07
7 mm



47454-09
9 mm



47454-12
12 mm



COTTLE
47455-06
18 cm, 7"



6 mm



COTTLE
18 cm, 7"



47458-04
4 mm



47458-07
7 mm



47458-09
9 mm



47458-12
12 mm



COTTLE
18 cm, 7"



47460-04
4 mm

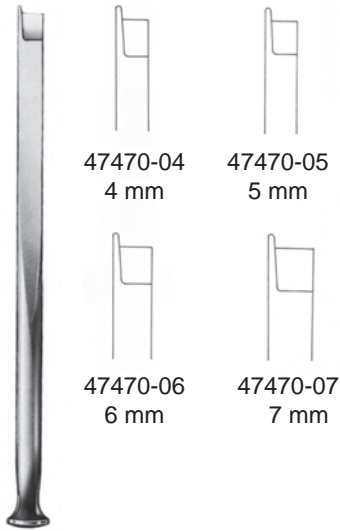


47460-07
7 mm

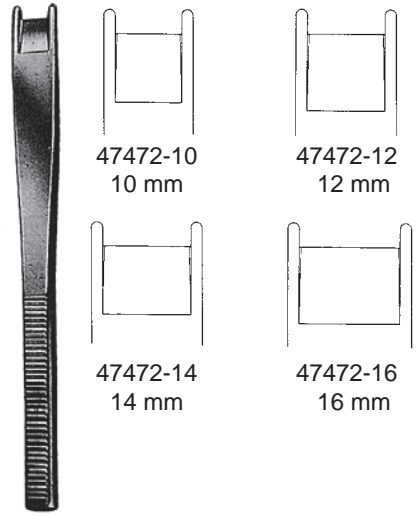


47460-12
12 mm

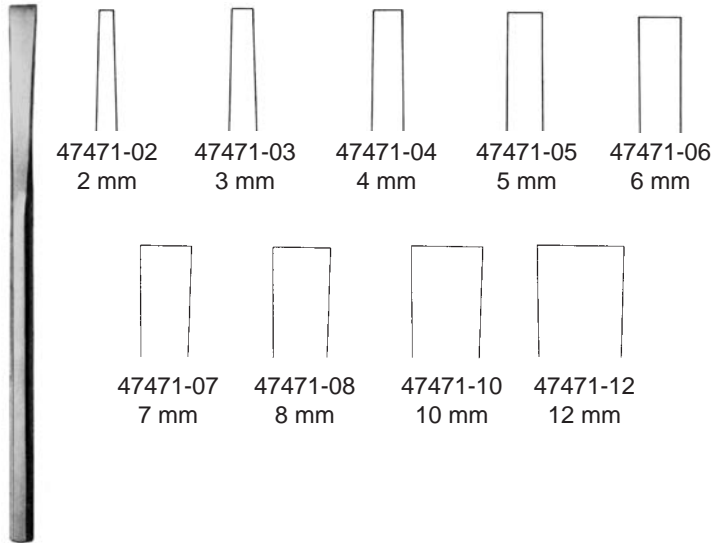
Septum Meißel
 Rhinoplastic Chisels
 Cinceles para la plàstica nasal



FOMON
 17 cm, 6 3/4"

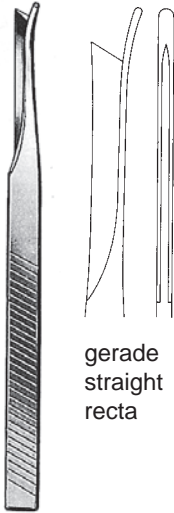


CINELLI
 16 cm, 6 1/4"



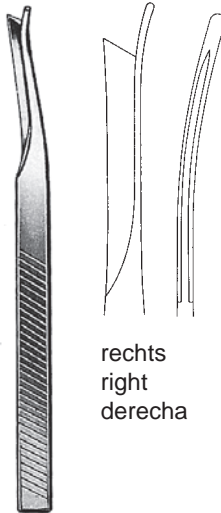
SHEEHAN
 16 cm, 6 1/4"

Septum Meißel, Osteotom
 Rhinoplastic Chisels, Osteotomes
 Cinceles para la plàstica nasal, Osteótomos



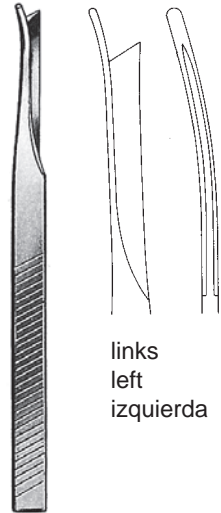
gerade
 straight
 recta

SILVER
 47473-01
 18 cm, 7"



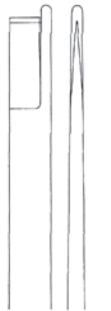
rechts
 right
 derecha

SILVER
 47473-02
 18 cm, 7"



links
 left
 izquierda

SILVER
 47473-03
 18 cm, 7"



47474-03

gerade
 straight
 recta



47474-01

rechts
 right
 derecha

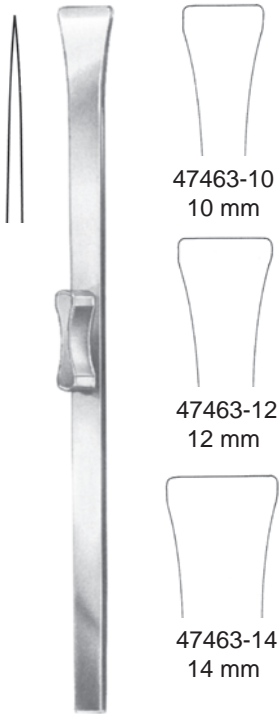


47474-02

links
 left
 izquierda

NEIVERT-ANDERSON
 20,5 cm, 8" 7 mm

Osteotome
Osteotomes
Osteotomos



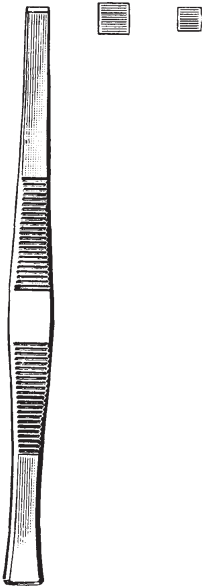
RUBIN
18,5 cm, 7 ¼"



47475-04 4 mm
47475-06 6 mm
47475-08 8 mm

OBWEGESER
18,5 cm, 7 ¼"

Meißel
Chisels
Cinceles



PASSOW
12 cm, 4 3/4"
33626-35 3,5 mm
33626-25 2,5 mm



47457-03
3,0 mm

47457-05
4,5 mm



WALTER
18 cm, 7"

Septum Meißel
 Rhinoplastic Chisels
 Cinceles para la plàstica nasal



KILLIAN-CLAUS
 47482-05
 17 cm, 6 3/4"

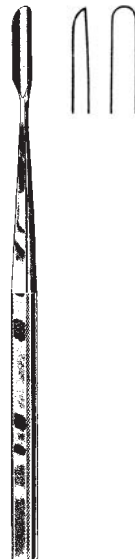


HAJEK
 16 cm, 6 1/4"

- 47484-04 4 mm
- 47484-06 6 mm
- 47484-08 8 mm



WEST
 47486-16
 16 cm, 6 1/4"



WEST
 47487-16
 16 cm, 6 1/4"

6 mm



FREER
 47489-16
 16 cm, 6 1/4"

Knorpelquetscher
Cartilage Crusher
Machacadora de cartilago



COTTLE
47461-00 7,5 cm, 3"

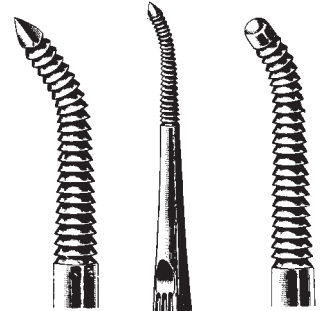
Nasenraspeln
 Nasal Rasps
 Escofinas nasales



JOSEPH
 47502-16 16 cm, 6 1/4"



MALTZ
 47504-18 18 cm, 7"



47507-17

47507-18

WIENER
 18 cm, 7"



diamantiert
 with diamond coating
 con boca de diamante

PEET
 47523-01 19 cm 7 1/2" 47523-02



GLABELLA
 47524-01 21 cm, 8 1/4"

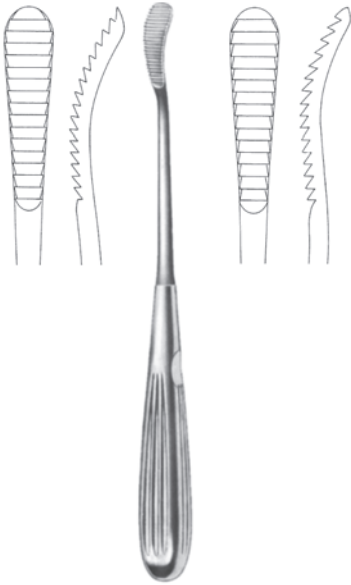
47525-20
 fein, 20 Zähne
 fine, 20 teeth
 fina, 20 dientes

47526-20
 grob, 11 Zähne
 coarse, 11 teeth
 gruesa, 11 dientes

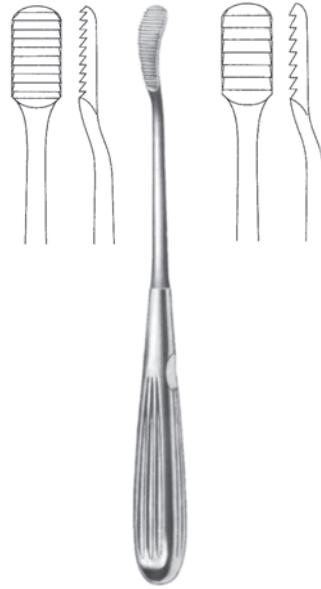


PARKES
 21 cm, 8 1/4"

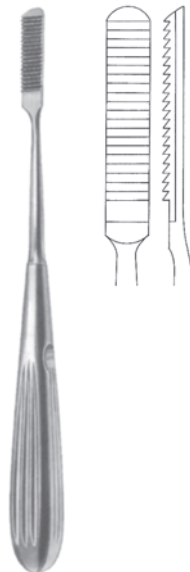
Nasenraspeln
Nasal Rasps
Escofinas nasales



AUFRICHT
47511-21 21 cm, 8 ¼" 47513-21

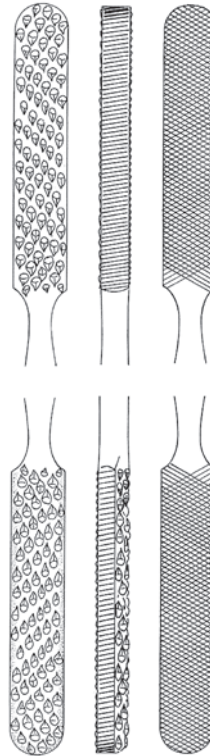


JOSEPH (LEWIS)
47514-16 18 cm, 7" 47516-16



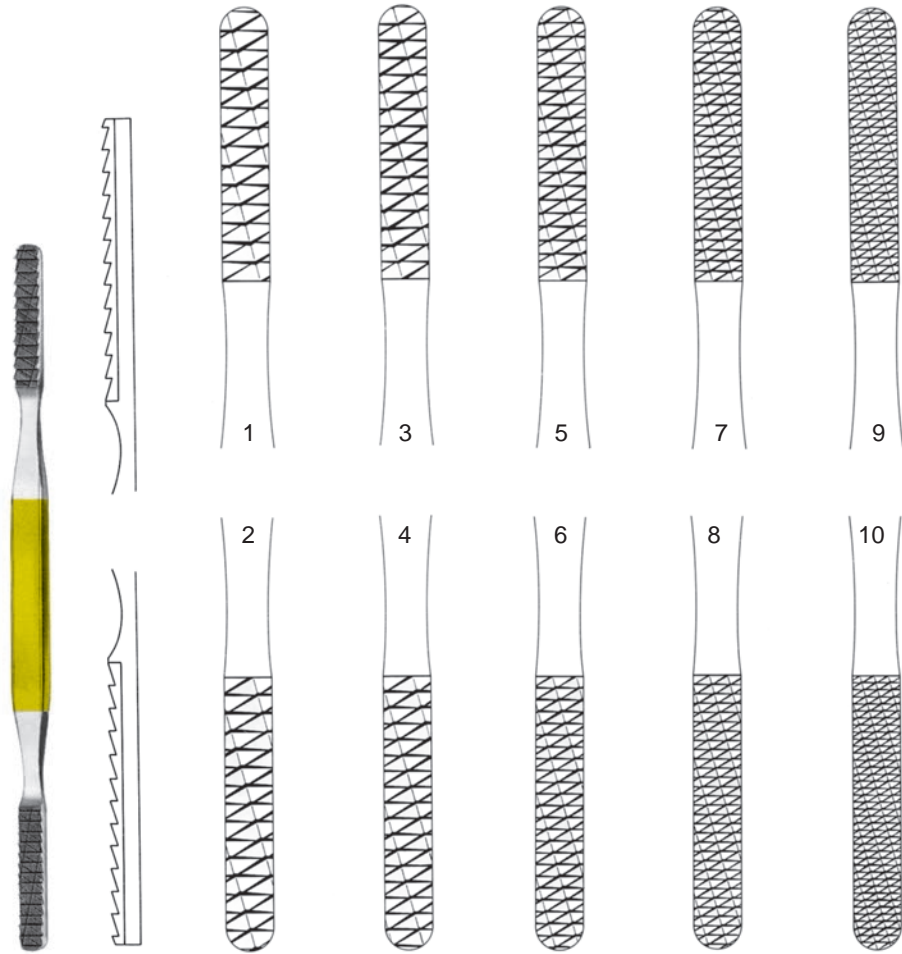
MALTZ (COTTLE)
47518-21 21 cm, 8 ¼"

Nasenraspel
Nasal Rasp
Escofina nasal



FOMON
47520-21
21 cm, 8 1/4"

Nasenraspeln
Nasal Rasps
Escofinas nasales



FOMON
20 cm, 8"

Fig. 1/2
47522-01 TC

Fig. 3/4
47522-04 TC

Fig. 5/6
47522-05 TC

Fig. 7/8
47522-07 TC

Fig. 9/10
47522-09 TC

Nasenraspeln
Nasal Rasps
Escofinas nasales



MASING
47528-01
21 cm, 8 1/4"



MASING
47528-02
21 cm, 8 1/4"

Nasenraspeln
Nasal Rasps
Escofinas nasales



Fig. 1
47526-16

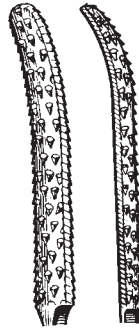


Fig. 2
47527-16

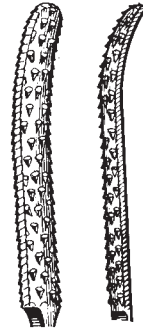
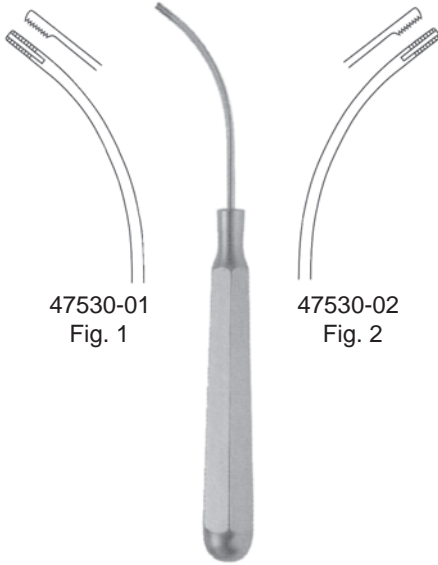


Fig. 3
47529-16



GALLAHER
16 cm, 6 1/4"

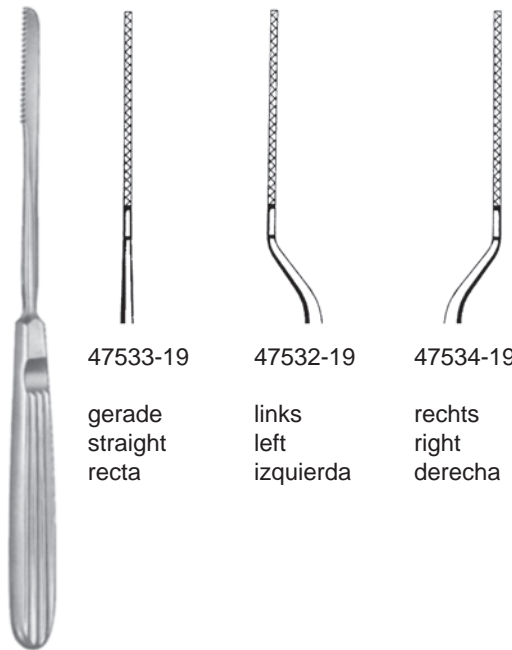
Nasenraspeln, Nasensägen
 Nasal Rasps, Nasal Saws
 Escofinas nasales, Sierras nasales



47530-01
Fig. 1

47530-02
Fig. 2

DINGMAN Set
 47530-00
 15 cm, 6"



47533-19
 gerade
 straight
 recta

47532-19
 links
 left
 izquierda

47534-19
 rechts
 right
 derecha

JOSEPH
 19 cm, 7 1/2"

Nasensägen
Nasal Saws
Sierras nasales

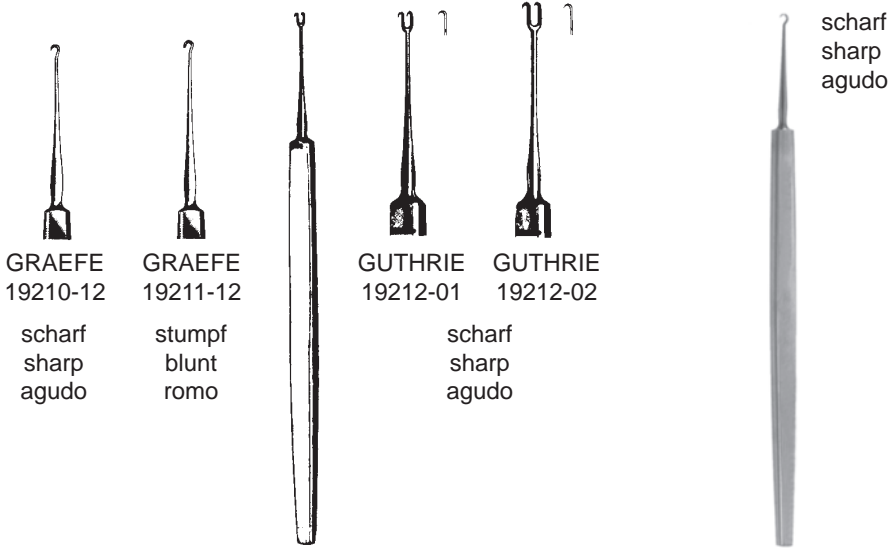


JOSEPH
47535-01 17 cm, 6 3/4" 47535-02



LINDEMANN
47535-20 20 cm, 8"

Feine Wundhäkchen
 Fine Retractors
 Ganchos finos



GRAEFE
19210-12

scharf
sharp
agudo

GRAEFE
19211-12

stumpf
blunt
romo

GUTHRIE
19212-01

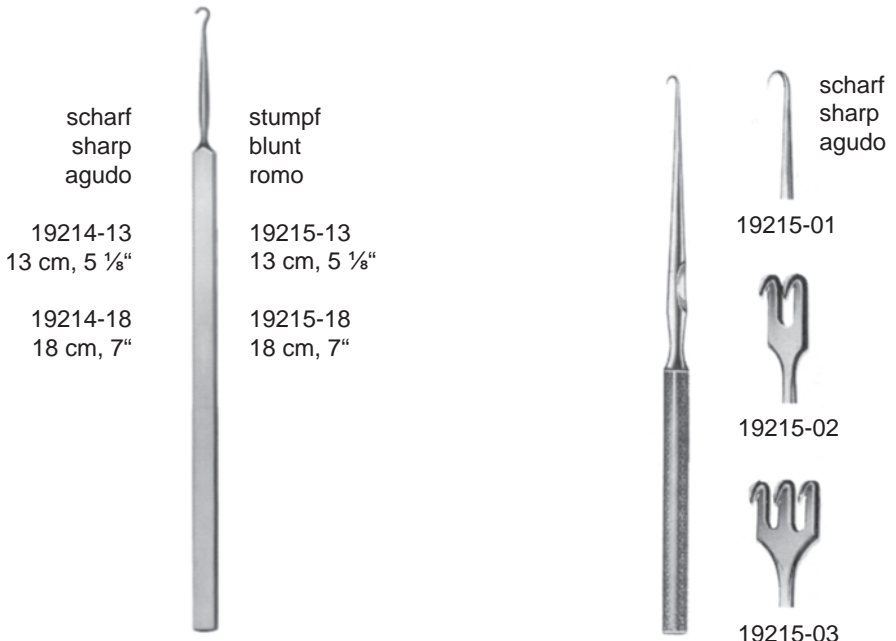
scharf
sharp
agudo

GUTHRIE
19212-02

scharf
sharp
agudo

12 cm, 4 3/4"

TYRELL
19213-12
12 cm, 4 3/4"



scharf
sharp
agudo

19214-13
13 cm, 5 1/8"

19214-18
18 cm, 7"

stumpf
blunt
romo

19215-13
13 cm, 5 1/8"

19215-18
18 cm, 7"

scharf
sharp
agudo

19215-01

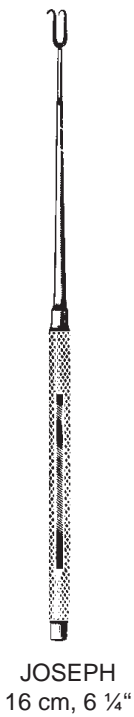
19215-02

19215-03

FRAZIER

LAHEY
12 cm, 4 3/4"

Feine Wundhäkchen
Fine Retractors
Ganchos finos



Feine Wundhäkchen
Fine Retractors
Ganchos finos

3 mm



BARSKY
19218-01
15 cm, 6"

3 mm



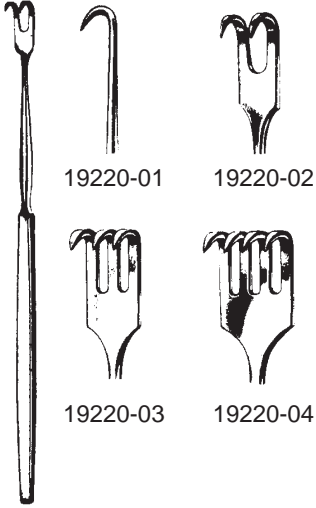
BARSKY
19218-02
15 cm, 6"

3 mm

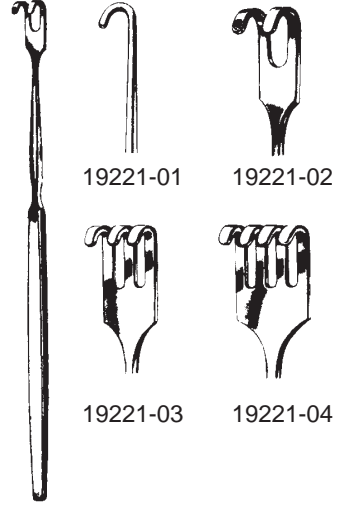


HUMBY
19218-11
11,5 cm, 4 ½"

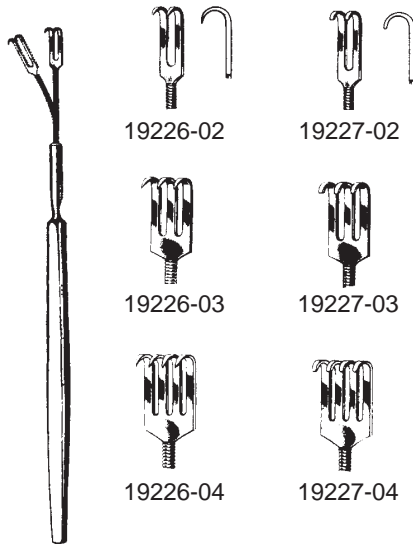
Feine Wundhäkchen
Fine Retractors
Ganchos finos



Reda
16 cm, 6 ¼"



Reda
16 cm, 6 ¼"



Reda, flexibel
16 cm, 6 ¼"

Feine Wundhäkchen
Fine Retractors
Ganchos finos



spitz
sharp
agudo

ROLLET
43376-13
13,5 cm, 5 1/4"



stumpf
blunt
romo

KNAPP
43377-13
13 cm, 5 1/8"



LUCAE
14 cm, 5 1/2"



45193-01
2 mm



45193-02
3 mm



45193-03
4 mm



BERGMANN
47569-14
14 cm, 5 1/2"

Nasenhaken
Nasal Retractor
Retradores nasales



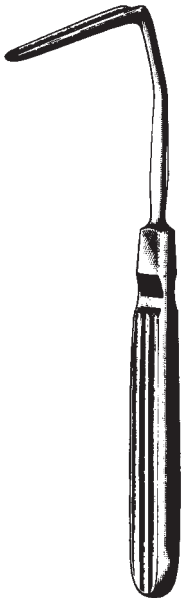
COTTLE
47540-16
16 cm, 6 ¼"



MASING
47541-14
14 cm, 5 ½"



AUFRICHT
47542-12
12 cm, 4 ¾"



AUFRICHT
47551-16
16 cm, 6 ¼"



AUFRICHT
47551-16CL
16 cm, 6 ¼"



MASING-NEIVERT
47552-16
20 cm, 8"

Nasenflügelhäkchen
Alar Retractor
Gancho para las alas de la nariz

10 x 12 mm



COTTLE
47553-15
15 cm, 6"

10 mm



COTTLE-NEIVERT
47559-20
20 cm, 8"

10 mm

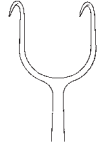


14 mm

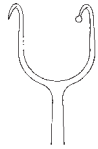
CONVERSE
47566-12
12 cm, 4 ¾"

Nasenflügelhäkchen
Alar Retractor
Gancho para las alas de la nariz

10 mm



47554-01



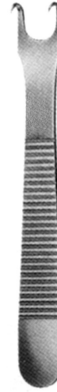
47554-02



47554-03

COTTLE
14,5 cm, 5 3/4"

3 x 11 mm



KILNER
47555-08
8 cm, 3 1/8"

10 mm



FOMON
47556-16
16 cm, 6 1/4"



FOMON
47557-17
17 cm, 6 3/4"

Feine Wundhäkchen
Fine Retractors
Ganchos finos



FREER
47558-15
15 cm, 6"



GILLIES
18 cm, 7"



Fig. 1
47560-18



Fig. 2
47562-18

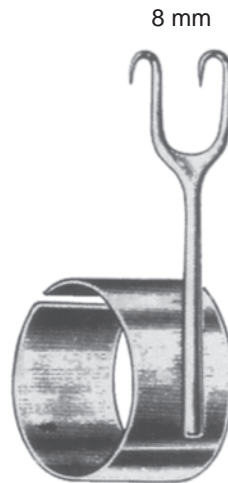


COTTLE
47564-16
16 cm, 6 1/4"

Choanahaken, Fingerringhäkchen
Choana Hook, Retractor with Finger Ring
Gancho para coanas, Ganchito con anillo

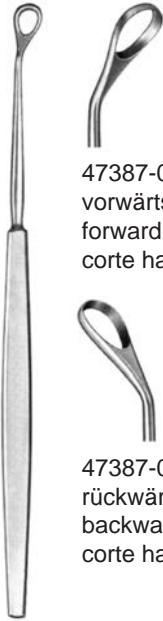


LANGE
47563-22
23 cm, 9"



COTTLE
47568-08

Antrumküretten
Antrum Curettes
Curetas para el antro

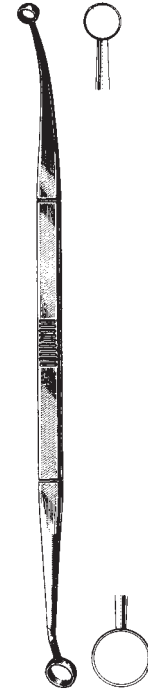


47387-01
vorwärts schneidend
forward cutting
corte hacia adelante



47387-02
rückwärts schneidend
backward cutting
corte hacia atras

ANTRUM
19 cm, 7 1/2"



FAULKNER
47601-21
21 cm, 8 1/4"



47607-01
Fig. 1



47607-02
Fig. 2



47607-03
Fig. 3



47607-04
Fig. 4



47607-05
Fig. 5



47607-06
Fig. 6

COAKLEY
17 cm, 6 3/4"

Antrum Kürette, Antrumlöffel
Antrum Curettes
Cucharillas para antro



20 cm, 8"

Oval



47388-01
7 mm

47388-02
8 mm

47388-03
9 mm

Oval
30°



47388-04
2,5 mm

45°



47388-05
Ø 5 mm



19 cm, 7 1/2"



47399-01
55°



47399-02
90°

Scharfe Löffel
Bone Currettes
Cucharillas cortantes



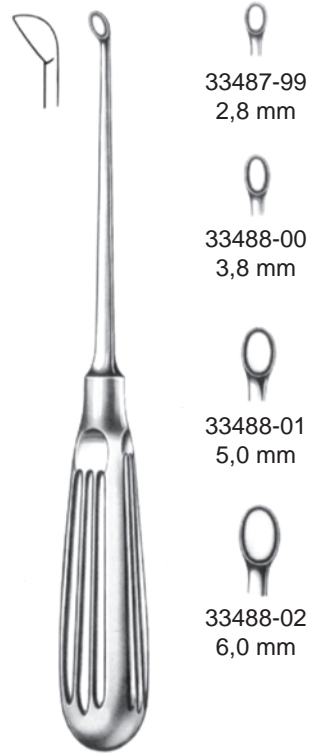
33476-01
4,8 mm

33476-02
5,8 mm

33476-03
6,8 mm

biegsam
malleable
maleable

HALLE
21 cm, 8 1/4"



33487-99
2,8 mm

33488-00
3,8 mm

33488-01
5,0 mm

33488-02
6,0 mm

DAUBENSPECK
20 cm, 8"

Hämmer
Bone Mallets
Martillos

Ø 25 mm



GERZOG
33686-25
18 cm, 7" 250g

Ø 25 mm



33694-01 18,5 cm, 7 ¼", 135 g
33694-03 Ersatzbacken
Nylon Caps
Tapas de repuesto

Ø 25 mm



33694-02 18,5 cm, 7 ¼"
1 Nylonbacke
1 Nylon Cap
1 tapa de nylon

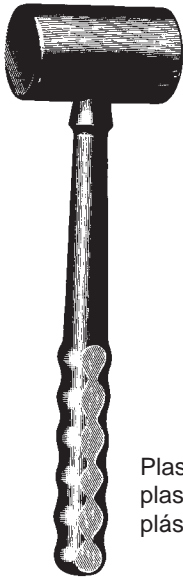
Ø 20 mm



MEAD
33693-32
17 cm, 6 ¾" 320 g

Hämmer
Bone Mallets
Martillos

Ø 42 mm



Plastik
plastic
plástico

33695-40
26 cm, 10 ¼"
400 g

Ø 12 mm



QUISLING
33696-75
17 cm, 6 ¾"

Ø 22 mm



PARTSCH
33698-98
18 cm, 7" 199 g

Ø 30 mm



COTTLE
33700-05
18 cm, 7" 240 g

Nasensonde, Dilatatoren
Nasal Probe, Dilators
Sondas nasales, Dilatadores



RITTER-HALLE

16 cm, 6 1/4"

47342-25 Ø 2,5 mm
47342-30 Ø 3,0 mm
47342-40 Ø 4,0 mm



SINUS

47420-03
18 cm, 7"



FRONTAL

47427-21
21 cm, 8 1/2"



WILDER
43602-01



WILDER
43602-02



WILDER
43602-03

Sonden
Probes
Sondas

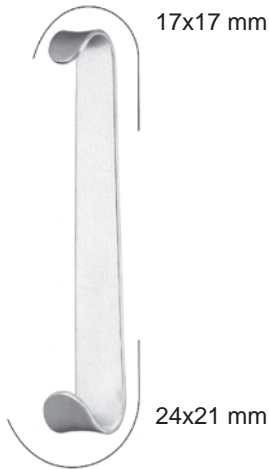
geknöpft
buttoned
abotonada



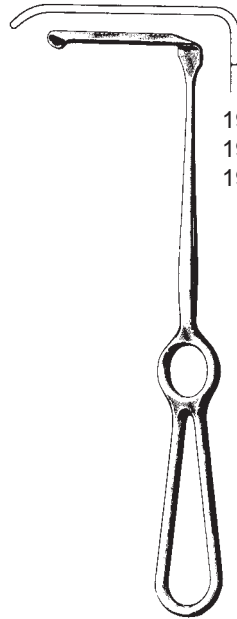
rostfrei
stainless steel
acero inoxidable

Fig.	BOWMAN	Ø mm
0000/000	43613-00	0,6/0,7
00/0	43614-00	0,7/0,8
0/1	43614-01	0,8/0,9
1/2	43614-12	0,9/1,1
2/3	43614-23	1,1/1,3
3/4	43614-34	1,3/1,4
4/5	43614-45	1,4/1,5
5/6	43614-56	1,5/1,6
6/7	43614-67	1,6/1,8
7/8	43614-78	1,8/1,9

Wundhaken
Retractors
Separadores

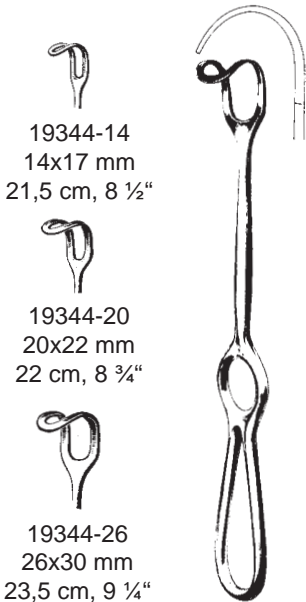


ROUX BABY
19122-13
13 cm, 5 1/8"



KOCHER-LANGENBECK
21 cm, 8 1/4"

- 19314-07 35x 7 mm
- 19314-14 70x14 mm
- 19314-20 60x20 mm



19344-14
14x17 mm
21,5 cm, 8 1/2"

19344-20
20x22 mm
22 cm, 8 3/4"

19344-26
26x30 mm
23,5 cm, 9 1/4"

MIDDELDORPF



BRÜNINGS-BRUNK
19499-00 19 cm, 7 1/2"

Kieferhöhlenhaken
Antrum Retractor
Separador para antro

Wundspreizer
Self-retaining Retractors
Separadores autoestáticos



stumpf
blunt
romo

PLESTER
19672-11
11 cm, 4 3/8"



stumpf
blunt
romo

PLESTER
19673-11
11 cm, 4 3/8"



2x2

scharf
sharp
agudo

PLESTER
19677-10 10 cm, 4"
19677-13 13 cm, 5 1/8"

Wundspreizer
Self-retaining Retractors
Separadores autoestáticos



FISCH
19690-17
17 cm, 6 3/4"



FISCH
19691-17
17 cm, 6 3/4"



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Indication and Contraindication please refer to our user's manual!

Indicaciones y Contraindicaciones se encuentran en la instrucciones de uso correspondientes!

Zungenspatel, Wangen- und Lippenhalter
 Tongue Depressors, Cheek and Lip Retractors
 Baja-lenguas, Separadores para labios y mejillas



Holz
 wood
 madera

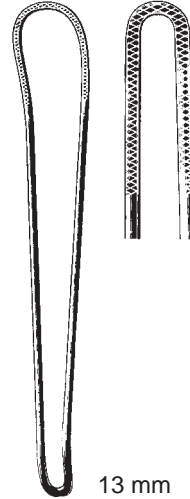
49102-16
 16 cm, 6 1/4"
 Pack. à 100



19 mm

23 mm

KROENIG
 49104-15
 15 cm, 6"



23 mm

13 mm

FRENZEL
 49105-16
 16,5 cm, 6 1/2"



16 mm

49106-01
 14,5 cm, 5 3/4"



15 mm

19 mm

BRUENINGS
 49107-19
 19 cm, 7 1/2"



20 mm

20 mm

CAWOOD-MINNESOTA
 49108-15
 15 cm, 6"



23 mm

19 mm

BUCHWALD
 49109-19
 19 cm, 7 1/2"

Zungendrucker
Tongue Depressors
Baja-lenguas



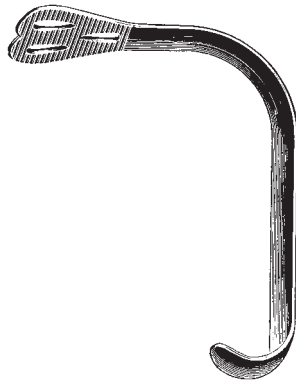
MORITZ-SCHMIDT
49110-19
19 cm, 7 1/2"



HARTMANN
49111-15
15 cm, 6"



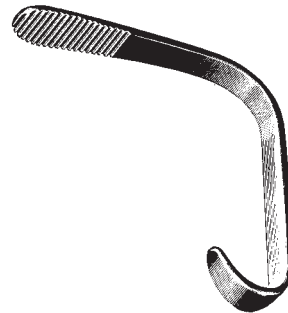
49115-01
Fig. 1
14 cm, 5 1/2"



WIEDER
49115-01 - 49115-02

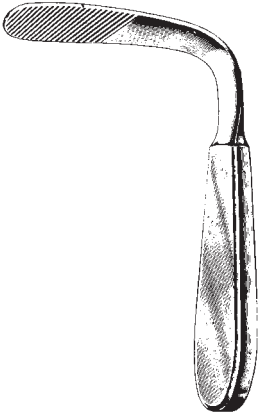


49115-02
Fig. 2
15 cm, 6"

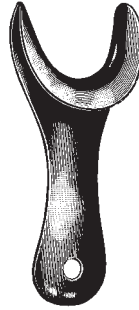


ANDREW
49117-11
11 cm, 4 3/8"

Zungendrucker, Wangen- und Lippenhalter, Zungenzangen
 Tongue Depressor, Cheek and Lip Retractor, Tongue Holding Forceps
 Baja-lenguas, Separadores para labios y mejillas, Pinza tira-lenguas



TOBOLD
 49119-14
 14,5 cm, 5 3/4"



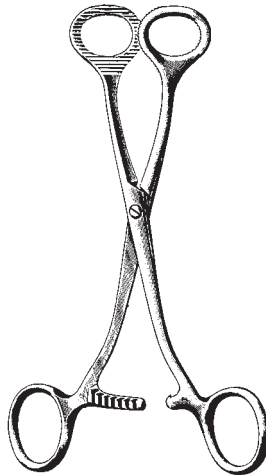
49230-11
 11 cm, 4 3/8"



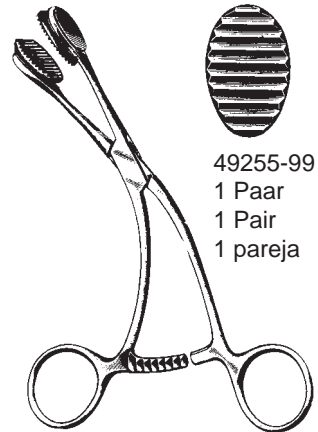
26 mm
 37 mm
 STERNBERG
 49231-12 12 cm, 4 3/4"
 49231-14 14 cm, 5 1/2"
 49231-16 16 cm, 6 1/4"



49235-19
 19 cm, 7 1/2"



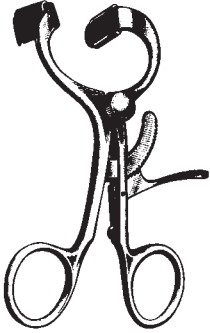
COLLIN
 49250-16 16 cm, 6 1/4"
 49250-18 18 cm, 7"



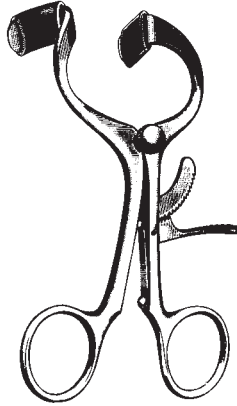
49255-99
 1 Paar
 1 Pair
 1 pareja

YOUNG
 49255-16
 16 cm, 6 1/4"

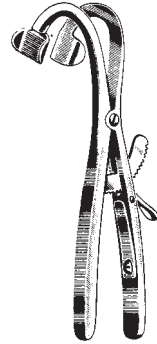
Mundsperrer
Mouth Gags
Abre-Bocas



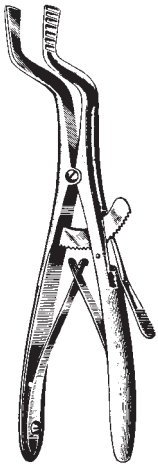
DOYEN-JANSEN (MOLT)
49265-12
12 cm, 4 3/4"



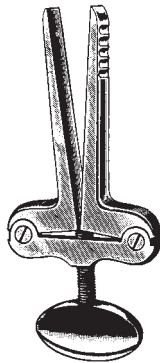
DOYEN-JANSEN (MOLT)
49265-14
14 cm, 5 1/2"



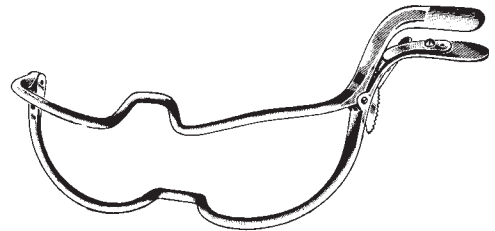
DENHART
49267-12
12 cm, 4 3/4"



ROSER-KOENIG
49270-16 16 cm, 6 1/4"
49270-19 19 cm, 7 1/2"



HEISTER
49272-13
13 cm, 5 1/8"



JENNINGS
49274-09 9 cm, 3 1/2"
49274-11 11 cm, 4 3/8"
49274-13 13 cm, 5 1/8"
49274-15 15 cm, 6"

Zungenspatel
Tongue Depressor
Baja-lengua

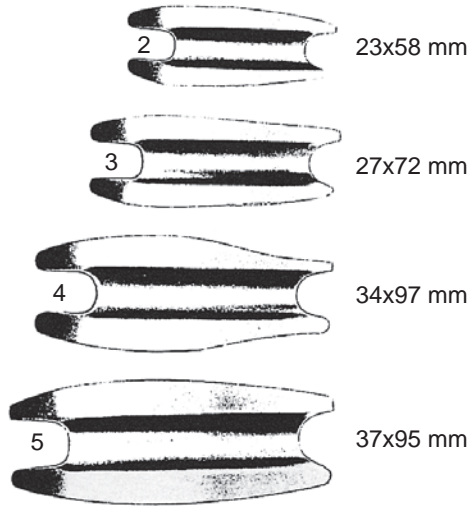


linke Seite
left side
izquierda

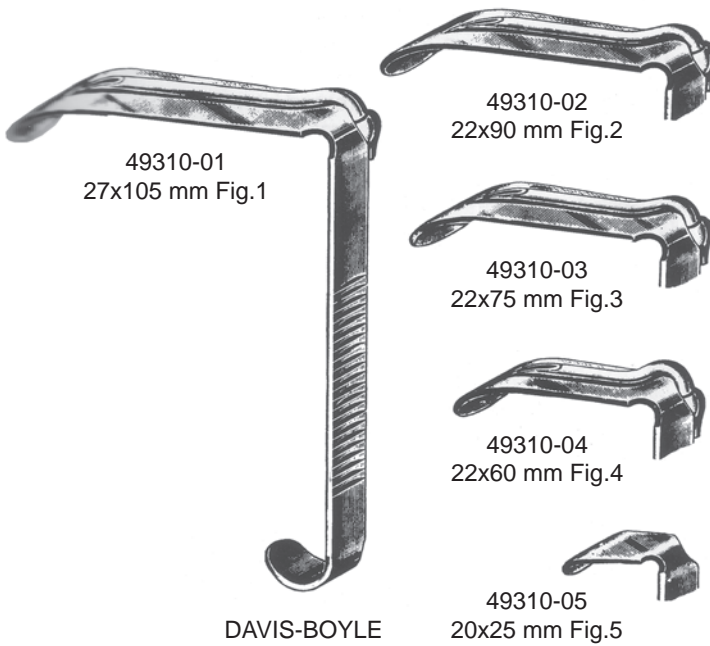
rechte Seite
right side
derecha

49287-02 RING Fig. 2
49287-03 Fig. 3
49287-04 Fig. 4
49287-05 Fig. 5

49288-02
49288-03
49288-04
49288-05



Zungenspatel
Tongue Depressor
Baja-lengua



Mundsperrer
Mouth Gags
Abre-Bocas

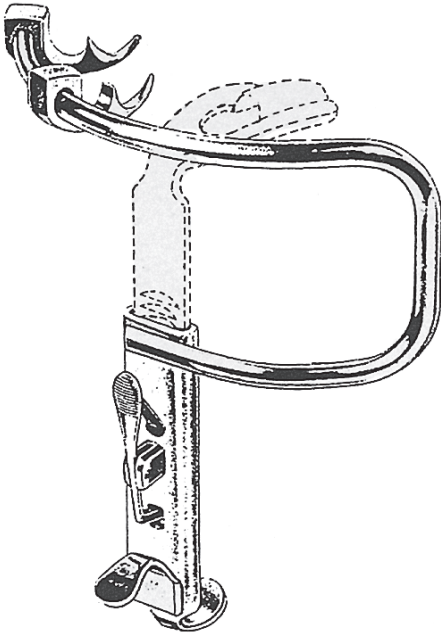


Sperrer allein
Mouth Gag only
Abre-boca suelto

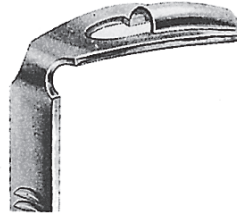
DAVIS-BOYLE

	für Erwachsene for adults para adultos	für Kinder for children para niños
links left izquierda	49310-10	49310-11
rechts right derecha	49310-12	49310-09

Mundsperrer
Mouth Gag
Abre-Bocas



49315-10
Sperrer allein
Mouth Gag only
Abre-boca suelto

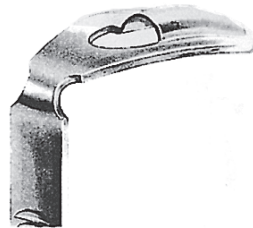


49315-01
37 x 80 mm
Fig. 1



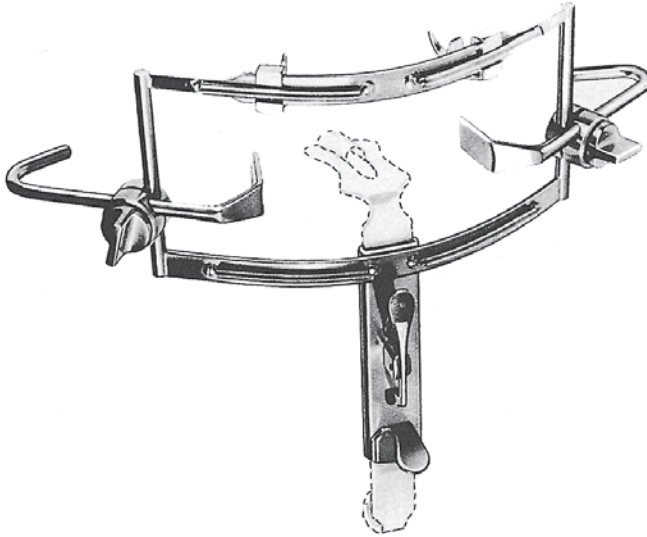
49315-02
32 x 75 mm
Fig. 2

KILNER-DOUGHTY
49315-00
compl.

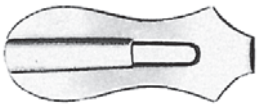


49315-03
28 x 65 mm
Fig. 3

Mundsperrer
Mouth Gag
Abre-Bocas



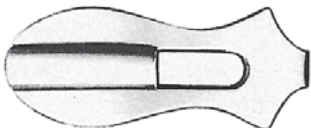
DINGMANN
49317-10
Sperrer allein / Mouth Gag only
Abre-boca suelto



1 24x62 mm
49317-01



2 28x65 mm
49317-02



3 31x75 mm
49317-03

49317-00 DINGMANN, compl.

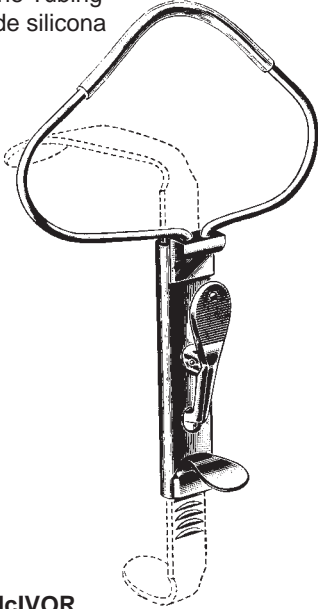
mit 3 auswechselbaren Zungendrucker,
2 seitliche Wangenhaken und 2 Zahnhaken

with 3 interchangeable tongue depressors,
2 rotating cheek holders
2 movable tooth hooks and thread guide

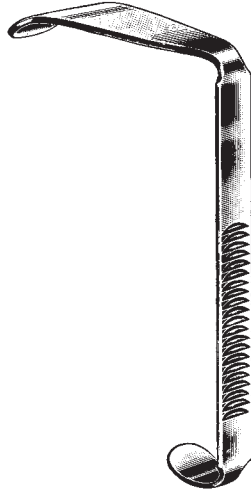
con 3 baja-lenguas intercambiables,
2 valvas giratorias p. los labios,
2 ganchos graduables

Mundsperrer, Gaumenplatte
Mouth Gags, Palate Blade
Abre-Bocas, placa para el paladar

49320-20
Silikon-Schlauch
Silicone Tubing
tubo de silicona



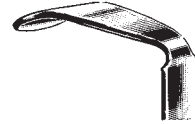
McIVOR
49320-00 compl. 49320-10



49320-01
27x95 mm Fig. 1



49320-02
22x85 mm Fig. 2



49320-03
22x70 mm Fig. 3



DAVIS-MEYER
49340-00

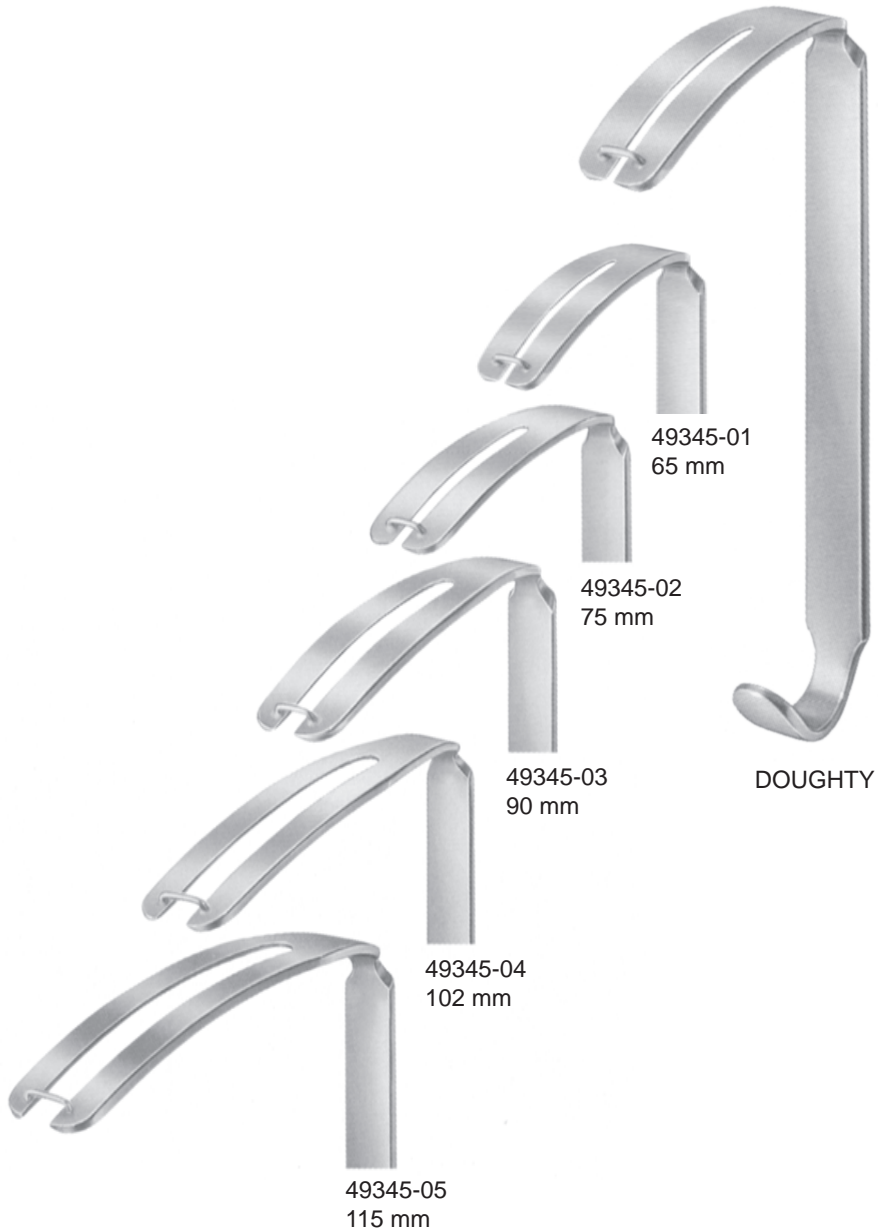


49341-00

Zungenspatel
Tongue Blades
Baja-lenguas



Zungenspatel
Tongue Blades
Baja-lenguas



Mundkeil, Bruststütze
Oral Wedges, Chest Support
Abre-Bocas, Soporte de pecho

Holz
wood
madera

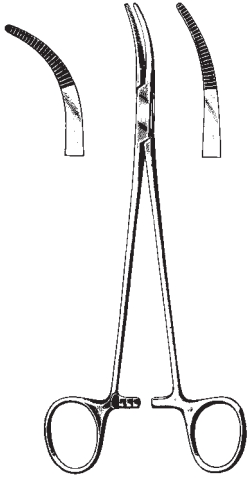


MAUNDER
49360-10

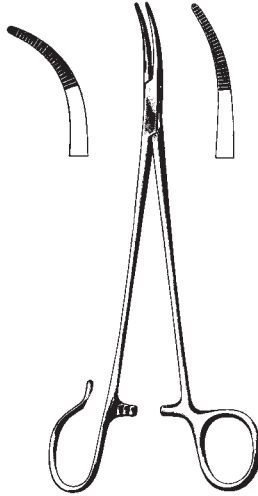


NEGUS
49400-01

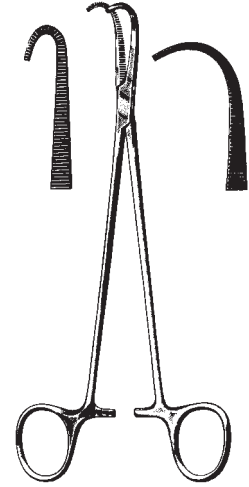
Tonsillenzangen
Tonsil Forceps
Pinzas para coger las amígdalas



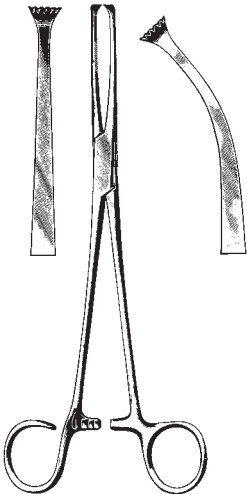
19 cm, 7 1/2"
SAWTELL SCHNIDT
51181-19 51183-19



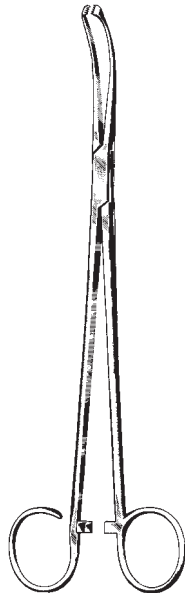
19 cm, 7 1/2"
SAWTELL SCHNIDT
51185-19 51187-19



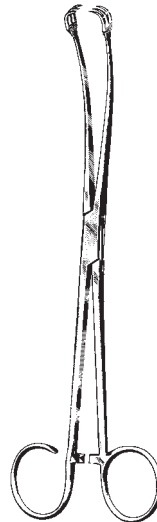
19 cm, 7 1/2"
NEGUS NEGUS
51191-19 51193-19



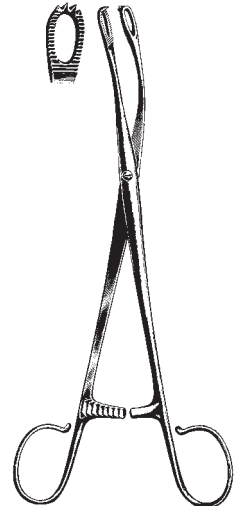
19 cm, 7 1/2"
COLVER
51202-19 51203-19



WHITE
51205-18 18 cm, 7"
51205-23 23 cm, 9"



BALLENGER
51207-21
21,5 cm, 8 1/2"

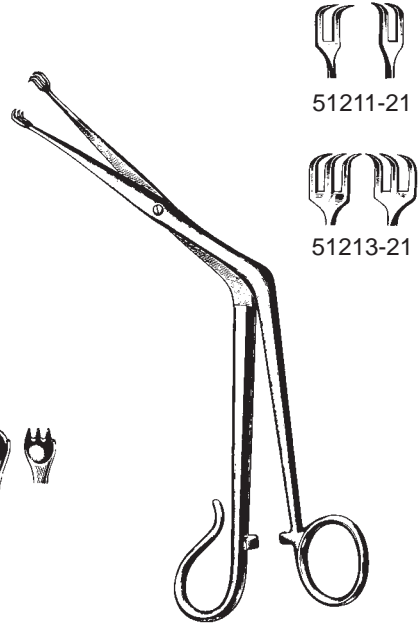


BLOHMKE
51209-20
20 cm, 8"

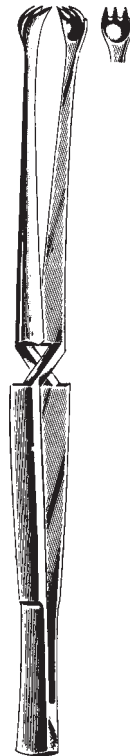
Tonsillenzangen, Tonsillenpinzette
Tonsil Forceps
Pinzas para amígdalas



ABRAHAM
51210-20
20 cm, 8"

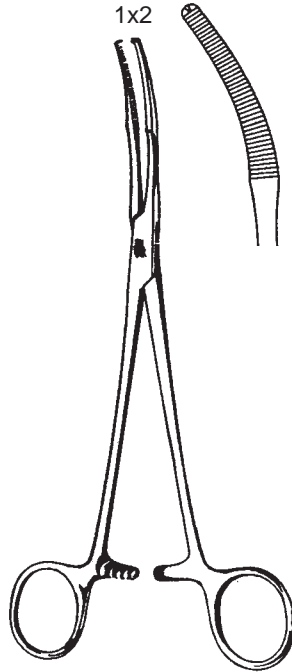


TYDING
21 cm, 8 ¼"



MARSCHIK
51219-22
22 cm, 8 ¾"

Tonsillenklemme, Tonsillenzange
Tonsil Forceps
Pinzas para amígdalas



MIKULICZ
13551-18 18 cm, 7"



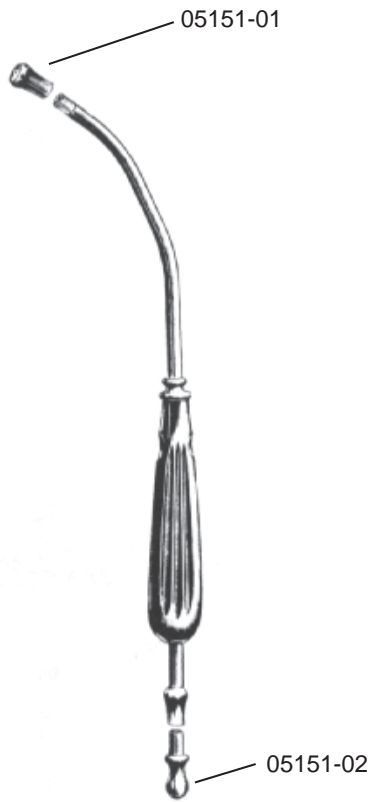
DENIS BROWNE
51214-20 20 cm, 8"



Tonsillenabszeßzange
Tonsil Abscess Forceps
Pinza para abscesos
en amígdalas

THILENIUS
51215-20 19 cm, 7 ½"

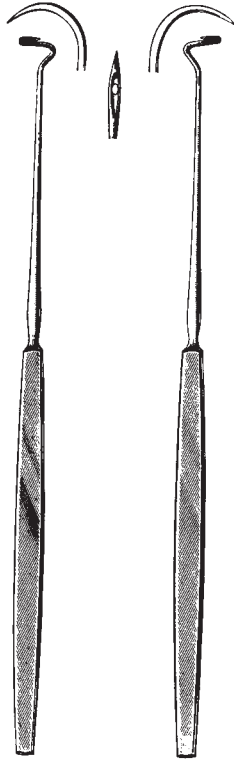
Saugrohr
Suction Tube
Tubo de succion



BABY-YANKAUER
05150-21 21 cm, 8 ¼"

YANKAUER, compl.
05150-27 27 cm, 10 ½"

Tonsillennadeln
Tonsil Needles
Agujas para amígdalas



DUPUY-WEISS
51165-22 51167-22
22 cm 8 ³/₄"



CLAUS
51168-23
23 cm 9"

Tonsillennadeln, Tonsillenmesser
Tonsil Needles, Tonsil Knives
Agujas para amígdalas, Bisturios para amígdalas



NAGER
51170-24
24 cm 9 ½"



FISHER
51171-22
22,5 9"

Tonsillenmesser
Tonsil Knives
Bisturios para amígdalas



ABRAHAM
51172-19
19 cm, 7 ½"



ABRAHAM
51173-21
21 cm, 8 ¼"

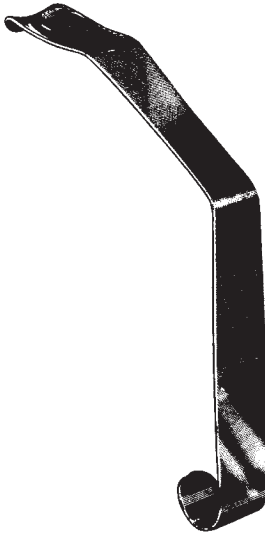


CANFIELD
51174-21
21 cm, 8 ¼"

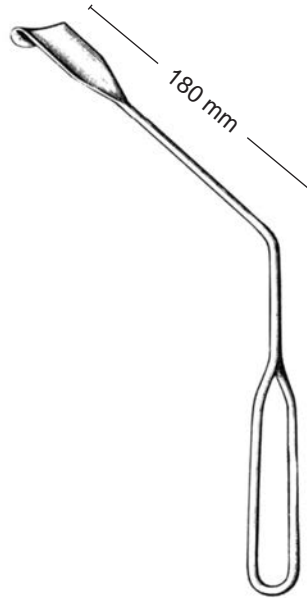


BRUENINGS
51177-23
23 cm, 9"

Uvulahaken
Uvula Retractors
Separadores uvulares

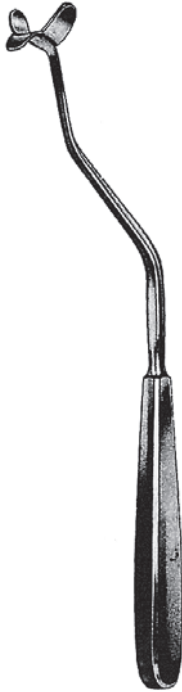


LOVE 15 cm, 6"
51103-18 18 mm
51103-20 20 mm
51103-22 22 mm



LOTHROP
51104-18 18 mm

Gaumensegelhalter
Soft Palate Retractors
Separadores para la vela palatina

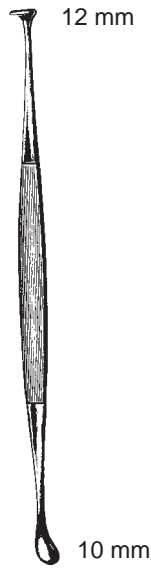


HOFER
51109-24
24 cm, 9 1/2"



NAGER
51111-23
23 cm, 9"

Tonsillenelevatorien, Tonsillendisektoren
Tonsil Elevators, Tonsil Dissectors
Elevadores/disectores para amígdalas



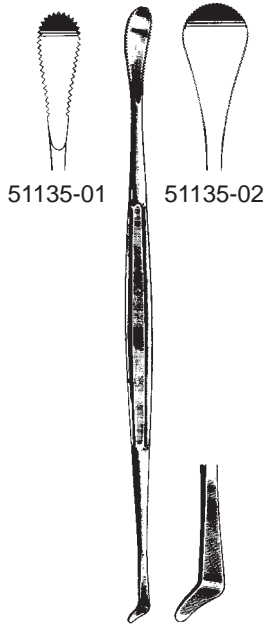
HURD
51131-22
22 cm, 8 1/4"



LOPEZ-REINKE
51133-23
23 cm, 9"



YANKAUER
51134-21
21 cm, 8 1/4"



HENKE
23 cm, 9"



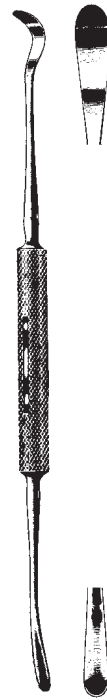
ALDERDYCE
33761-21
21 cm, 8 1/4"

Tonsillendissektoren
Tonsil Dissectors
Disectores para amígdalas

Enukleator
Enucleator
Enucleador

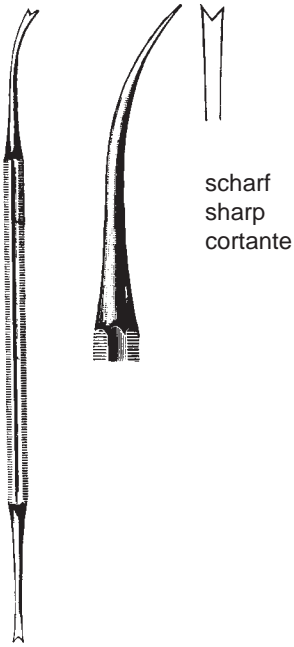


CARPENTER
51139-25
25 cm, 10"



CARPENTER
51143-24
24 cm, 9 1/2"

Tamponstopfer
Gauze Packer
Tamponador tonsilar



LUNIATSCHEK
51151-19
19 cm, 7 ½"

Speichelgangsonde
Salivary Duct Probe
Sonda para el canal de saliva

geknöpft
buttoned
abotonada



rostfrei
stainless steel
acero inoxidable

Fig.	BOWMAN	Ø mm
0000/000	43613-00	0,6/0,7
00/0	43614-00	0,7/0,8
0/1	43614-01	0,8/0,9
1/2	43614-12	0,9/1,1
2/3	43614-23	1,1/1,3
3/4	43614-34	1,3/1,4
4/5	43614-45	1,4/1,5
5/6	43614-56	1,5/1,6
6/7	43614-67	1,6/1,8
7/8	43614-78	1,8/1,9

Anatomische und chirurgische Pinzetten
Dressing and Tissue Forceps
Pinzas de disección, sin/con dientes



POTTS-SMITH

- | | | |
|----------|-------------|-------------|
| 11112-18 | 18 cm, 7" | 11116-18 TC |
| 11112-21 | 21 cm, 8 ¼" | 11116-21 TC |
| 11112-25 | 25 cm, 10" | 11116-25 TC |



1x2

POTTS-SMITH

- | | |
|----------|-------------|
| 11126-18 | 18 cm, 7" |
| 11126-21 | 21 cm, 8 ¼" |
| 11126-25 | 25 cm, 10" |

Tupferzangen
Dressing Forceps
Pinzas porta-esponjas

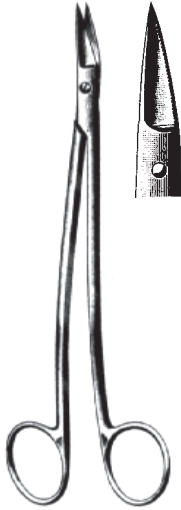


DUPLAY
17131-21 21 cm, 8 1/4"

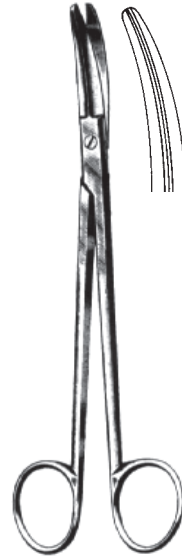


17133-17 17 cm, 6 3/4"

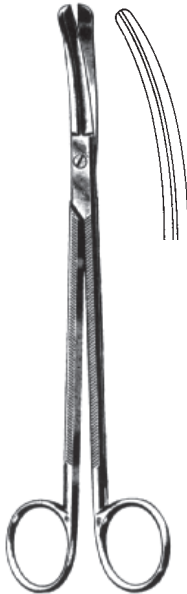
Tonsillenscheren
Tonsil Scissors
Tijeras para amígdalas



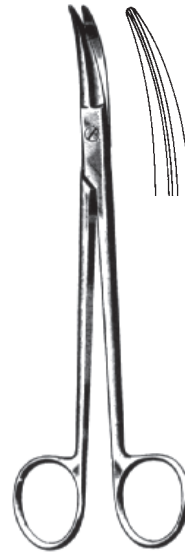
— DEAN ~~~~
09425-17 09427-17
17 cm, 6 ¾"



BOETTCHER
09435-18
18 cm, 7"

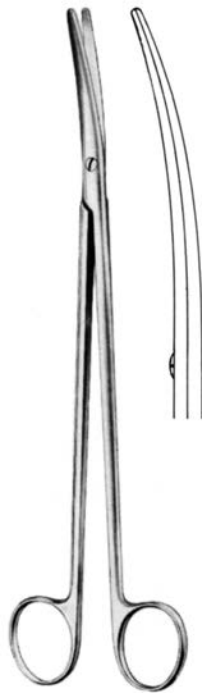


GOOD
09437-19
19 cm, 7 ½"



PRINCE
09439-17
17 cm, 6 ¾"

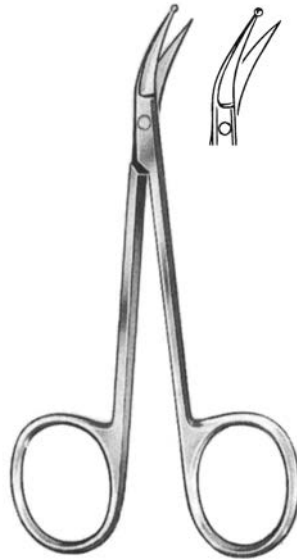
Präparierscheren
Dissecting Scissors
Tijeras de disección



METZENBAUM

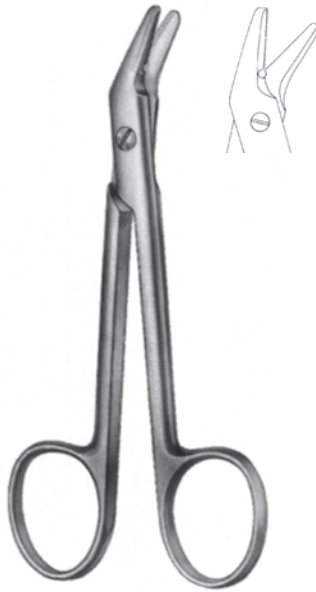
- 09281-12 09285-12 TC
12 cm 4 3/4"
- 09281-15 09285-15 TC
15 cm 6"
- 09281-18 09285-18 TC
18 cm 7"
- 09281-20 09285-20 TC
20 cm 8"
- 09281-23 09285-23 TC
23 cm 9"
- 09281-25 09285-25 TC
25 cm 10"
- 09281-28 09285-28 TC
28 cm 11"
- 09281-30 09285-30 TC
30 cm 12"

Speichelgangschere
Salival Scissors
Tijeras para el canal de saliva



PERWITZSCHKY
09364-10
10 cm, 4"

Draht-, Blechschere
Wire and Plate Scissors
Tijeras para alambre y láminas

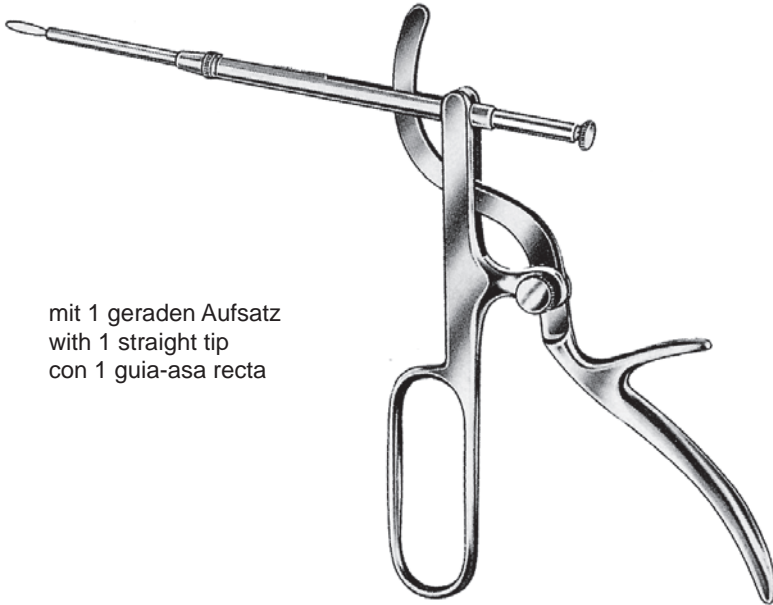


UNIVERSAL

09831-12 12 cm, 4 ¾"

09835-12 TC 12 cm, 4 ¾"

Tonsillenschnürer
Tonsil Snares
Cierranudos para amígdalas



mit 1 geraden Aufsatz
with 1 straight tip
con 1 guía-asa recta

TYDING
51260-00

Tonsillenschnürer
Tonsil Snares
Cierranudos para amígdalas



EVES
51250-28
28 cm, 11"

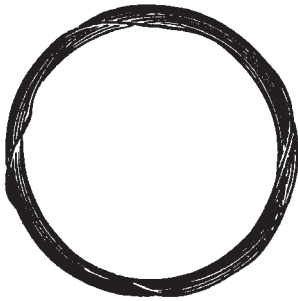


EVES
51252-28
28 cm, 11"

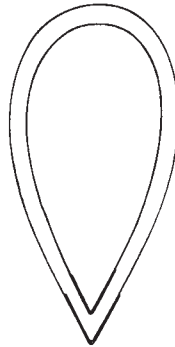


BRUENINGS
51256-28
28 cm, 11"

Tonsillendraht
Tonsil Wire
Hilos para amígdalas



mm Ø
34520-02 0,2
34520-03 0,3
34520-04 0,4

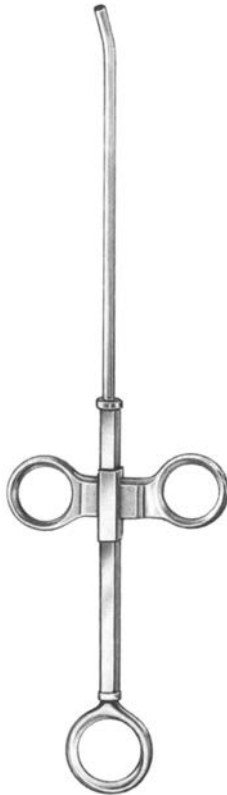


51257-40 40 mm
51257-50 50 mm
Pack of 100 pcs



51259-03 0,3 mm
51259-04 0,4 mm
51259-05 0,5 mm
Pack of 12 pcs

Tonsillenschnürer
Tonsil Snares
Cierranudos para amígdalas



ROEDER "E"
51265-00
27 cm, 10 $\frac{3}{4}$ "

Fadengabel
Knot Tier
Horquilla de hilos



NEGUS
51176-20
20,5 cm, 8"

Tonsillotom
Tonsillectome
Amigdalótomo

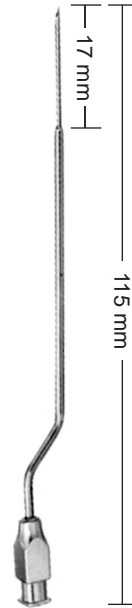


SLUDER-BALLENGER
51270-00
mit 3 Aufsätzen
with 3 blades
con 3 hojas

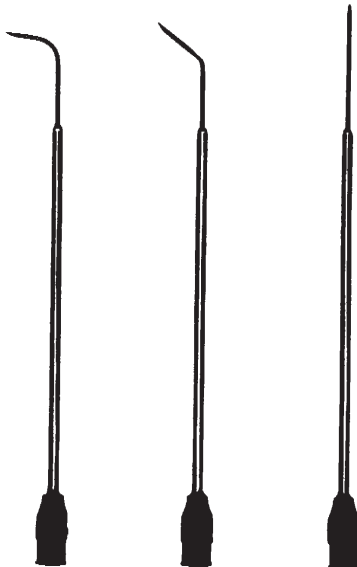
Septum Nadeln, Spritzen
Septum Needles, Syringes
Agujas para septum, Jeringas



51291-00
2,5 mm Ø



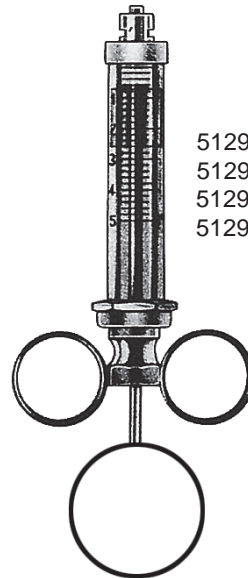
51293-00
0,8 mm Ø



51293-90
90°

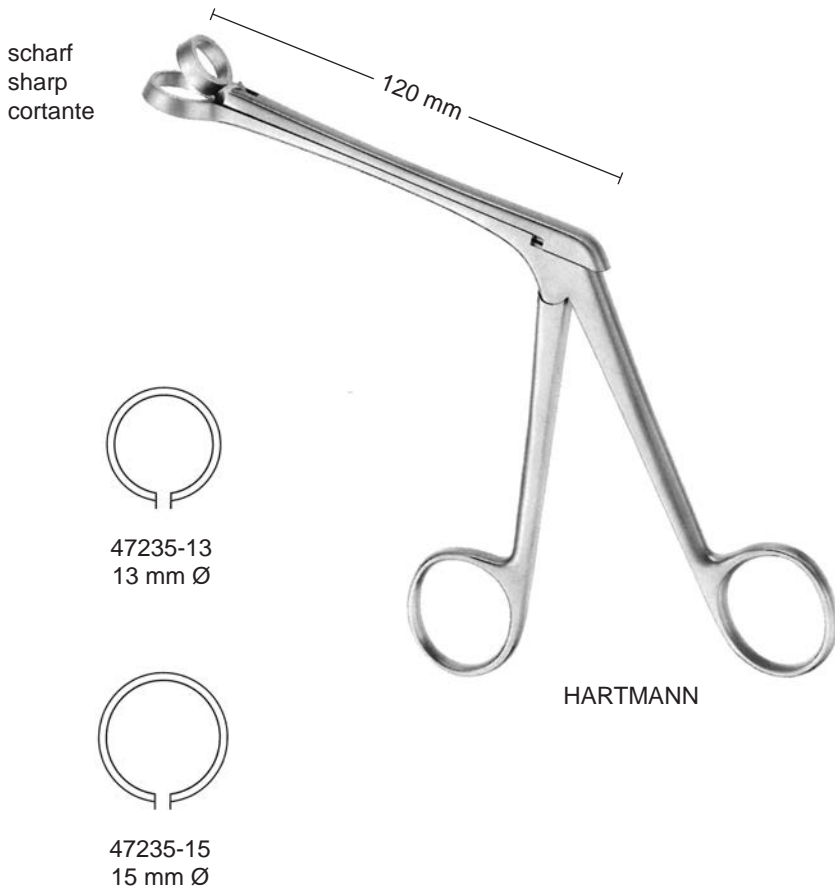
51293-45
45°

51292-00



51290-02 2 ml
51290-05 5 ml
51290-10 10 ml
51290-20 20 ml

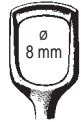
Tonsillenzangen
Tonsil Punches
Pinzas para amígdalas



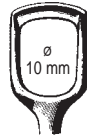
Ringmesser
Adenoid Curettes
Cuchillos para vegetaciones adenoideas



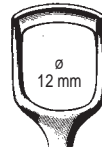
BECKMANN
22 cm, 8 3/4"



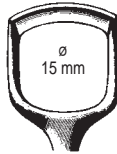
47620-00
Fig. 0



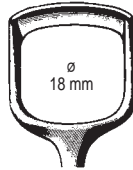
47620-01
Fig. 1



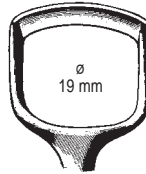
47620-02
Fig. 2



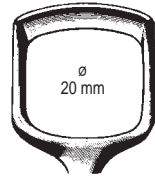
47620-03
Fig. 3



47620-04
Fig. 4



47620-05
Fig. 5



47620-06
Fig. 6



BARNHILL
21 cm, 8 1/4"



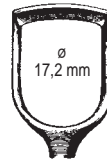
47630-00
Fig. 0



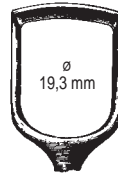
47630-01
Fig. 1



47630-02
Fig. 2

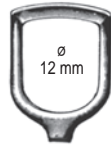


47630-03
Fig. 3



47630-04
Fig. 4

Ringmesser, Adenotome
 Adenoid Currettes, Adenotomes
 Cuchillos para vegetaciones adenoideas, Adenotomos



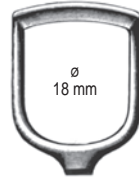
47636-01
 Fig. 1



47636-02
 Fig. 2



47636-03
 Fig. 3



47636-04
 Fig. 4

St. CLAIR-THOMSON
 21 cm, 8 1/4"



47641-01
 Fig. 1
 ø 12 mm



47641-02
 Fig. 2
 ø 16 mm



47641-03
 Fig. 3
 ø 18 mm

Ersatzklingen allein, gelocht
 Spare blades, perforated
 Hojas de repuesto, perforadas

Fig. 1 47642-01
 Fig. 2 47642-02
 Fig. 3 47642-03

LAFORCE
 25 cm, 10"

Nasentrachenzangen
Naso Pharyngeal Forceps
Pinzas naso-faringeas



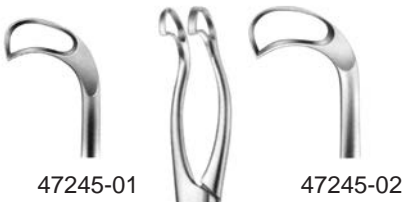
JATHO
47243-00
24 cm, 9 1/2"



scharf
sharp
cortante

ST. CLAIR-THOMSON
47246-18 18 cm, 7 1/8"

Nasenrachenzangen
Naso Pharyngeal Forceps
Pinzas naso-faringeas



47245-01

47245-02



JURASZ
21 cm, 8 ¼"



für Kinder, scharf
for children, sharp
para niños, cortante

JURASZ
47244-00 19 cm, 7 ½"

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TRACHEOTOMIE

TRACHEOTOMY

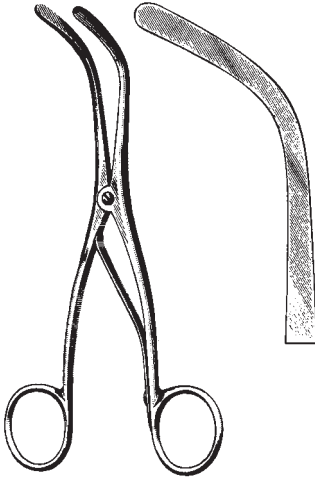
TRAQUEOTOMÍA



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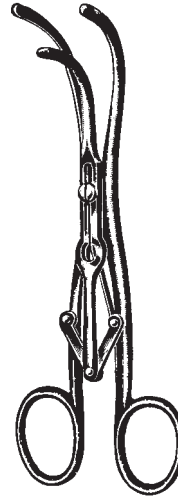
Indikationen und Kontraindikationen finden Sie in der entsprechenden Gebrauchsanweisung!
Indication and Contraindication please refer to our user's manual!
Indicaciones y Contraindicaciones se encuentran en la instrucciones de uso correspondientes!

Tracheal Dilatatoren, Trachealhaken, Trachealwundspreizer
Tracheal Dilators, Tracheal Hooks, Tracheal Retractors
Dilatadores traqueales, Ganchos traqueales, Retractor traqueal



TROUSSEAU-BABY
55111-13 13 cm, 5 1/8"

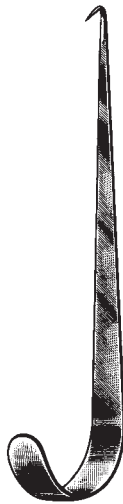
TROUSSEAU
55111-14 14 cm, 5 1/2"



LABORDE
55113-14
14 cm, 5 1/2"



BOSE
55115-07
7 cm, 2 3/4"



JACKSON
55116-15
15 cm, 6"



JACKSON
55117-17
17 cm, 6 3/4"

Trachealhaken, Kanülen
 Tracheal Hooks, Tubes
 Ganchos traqueales Cánulas



Trachealkanülen
Tracheal Tubes
Canulas traqueales

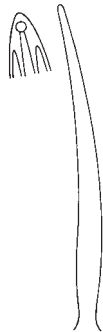


Fig.	Ø mm	Länge des Außenrohrs Length of outer tube Largo de la cánula exterior	LUER Neusilber German silver alpaca	CHEVALIER-JACKSON Neusilber German silver alpaca
0	4	45 mm	55220-04	55240-04
1	5	50 mm	55220-05	55240-05
2	6	55 mm	55220-06	55240-06
3	7	60 mm	55220-07	55240-07
4	8	65 mm	55220-08	55240-08
5	9	70 mm	55220-09	55240-09
6	10	75 mm	55220-10	55240-10
7	11	80 mm	55220-11	55240-11
8	12	85 mm	55220-12	55240-12
9	13	90 mm	55220-13	55240-13

Kropfsonde, Schilddrüsenhaken
Thyroid Dissectors, Thyroid Retractor
Sondas para bocio, Separador para la glándula tiroidea



55501-15



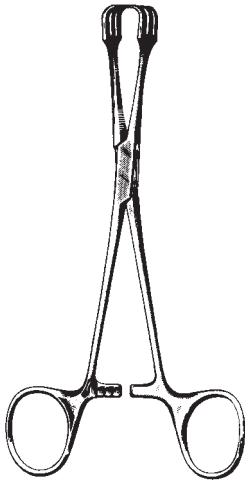
55503-15

KOCHER
15 cm, 6"

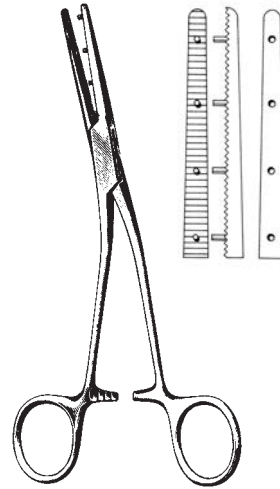


SCHOENBORN
55511-21
21 cm, 8 1/4"

Kropffasszange, Muskelklemme
Goitre Seizing Forceps, Muscular Clamp
Pinza para coger el bocio, Pinza para músculos



LAHEY
55520-15 15 cm, 6"
55520-20 20 cm, 8"



MASTIN
55523-17
17 cm, 6 3/4"

Kehlkopf Polypenschnürer
Laryngeal Polypus Snare
Cierranudo para pólipos



51259-04
Ø 0,4 mm
Pack of 12 pcs

Schnürerdraht
Snare Wire
Alambre para polipotomo



53122-00
Nutzlänge 24 cm, 9 ½"
Working length 24 cm, 9 ½"
Largo útil 24 cm, 9 ½"



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**LARYNGOSKOPIE
ENDOLARYNGEALE
MIKROCHIRURGIE**

**LARYNGOLOGY
ENDOLARYNGEAL
MICROSURGERY**

**LARINGOSCOPIA
MICRO CIRUGIA
ENDOLARINGEAL**



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Kaltlicht Laryngoskope
Fiber Optic Laryngoscopes
Laringoscopios de luz fría



Kaltlicht
Cold Light
Luz fría



McINTOSH

05212-03

Set bestehend aus:

- 1 Etui
- 1 Batteriegriff 05238-03
- 3 Spatel (Fig. 2-4)
- 1 Ersatzlampe Xenon 05239-03

Set consisting of:

- 1 Case
- 1 Handle 05238-03
- 3 Blades (Fig. 2-4)
- 1 Spare Bulb Xenon 05239-03

Juego compuesto de:

- 1 Estuche
- 1 Mango 05238-03
- 3 Hojas (Fig. 2-4)
- 1 Bombilla de recambio Xenon 05239-03

05212-04

Set bestehend aus:

- 1 Etui
- 1 Batteriegriff 05238-03
- 4 Spatel (Fig. 1-4)
- 1 Ersatzlampe Xenon 05239-03

Set consisting of:

- 1 Case
- 1 Handle 05238-03
- 4 Blades (Fig. 1-4)
- 1 Spare Bulb Xenon 05239-03

Juego compuesto de:

- 1 Estuche
- 1 Mango 05238-03
- 4 Hojas (Fig. 1-4)
- 1 Bombilla de recambio Xenon 05239-03

Laryngoskopie-Spatel mit integriertem Kaltlichtträger
Laryngoscope Blades with Integrated Cold Light Carrier
Espátulas de laringoscopios con luz fría integrada

Kaltlicht
Cold Light
Luz fría



McINTOSH



05211-00
59 mm, 2.32"
Nutzlänge
working length
largo útil

Fig. 0
für Säuglinge
for babies
para neonatales



05211-01
72 mm, 2.83"
Nutzlänge
working length
largo útil

Fig. 1
für Kinder
for children
para niños



05211-02
92 mm, 3.62"
Nutzlänge
working length
largo útil

Fig. 2
für Jugendliche
for adolescents
para adolescentes



05211-03
112 mm, 4.41"
Nutzlänge
working length
largo útil

Fig. 3
für Frauen
for women
para mujeres



05211-04
136 mm, 5.35"
Nutzlänge
working length
largo útil

Fig. 4
für Männer
for men
para hombres

Laryngoskopie Spatel mit integriertem Kaltlichtträger
Laryngoscope Blades with Integrated Cold Light Carrier
Espátulas de laringoscopios con luz fría integrada



Kaltlicht
Cold Light
Luz fría



McCOY

		Nutzlänge working length largo útil
Fig. 2	05217-02	92 mm
Fig. 3	05217-03	112 mm
Fig. 4	05217-04	136 mm

Kaltlicht
Cold Light
Luz fría



Kaltlicht Laryngoskope
Fiber Optic Laryngoscopes
Laringoscopios de luz fría



MILLER

05213-03CL

Set bestehend aus:

- 1 Etui
- 1 Batteriegriff 05238-03
- 3 Spatel (Fig. 1-3)
- 1 Ersatzlampe Xenon 05239-03

Set consisting of:

- 1 Case
- 1 Handle 05238-03
- 3 Blades (Fig. 1-3)
- 1 Spare Bulb Xenon 05239-03

Juego compuesto de:

- 1 Estuche
- 1 Mango 05238-03
- 3 Hojas (Fig. 1-3)
- 1 Bombilla de recambio Xenon 05239-03

05213-04CL

Set bestehend aus:

- 1 Etui
- 1 Batteriegriff 05238-03
- 4 Spatel (Fig. 1-4)
- 1 Ersatzlampe Xenon 05239-03

Set consisting of:

- 1 Case
- 1 Handle 05238-03
- 4 Blades (Fig. 1-4)
- 1 Spare Bulb Xenon 05239-03

Juego compuesto de:

- 1 Estuche
- 1 Mango 05238-03
- 4 Hojas (Fig. 1-4)
- 1 Bombilla de recambio Xenon 05239-03

Laryngoskopie-Spatel mit integriertem Kaltlichtträger
Laryngoscope Blades with Integrated Cold Light Carrier
Espátulas de laringoscopios con luz fría integrada



Kaltlicht
Cold Light
Luz fría

MILLER



05230-00CL
55 mm, 2.16"
Nutzlänge
working length
largo útil

Fig. 0
für Säuglinge
for babies
para neonatales



05230-01CL
80 mm, 3.15"
Nutzlänge
working length
largo útil

Fig. 1
für Kinder
for children
para niños



05230-02CL
130 mm, 5.12"
Nutzlänge
working length
largo útil

Fig. 2
für Jugendliche
for adolescents
para adolescentes



05230-03CL
170 mm, 6.69"
Nutzlänge
working length
largo útil

Fig. 3
für Frauen
for women
para mujeres



05230-04CL
188 mm, 7.4"
Nutzlänge
working length
largo útil

Fig. 4
für Männer
for men
para hombres

Laryngoskope Warmlicht
Laryngoscopes Warm Light
Laringoscopios de luz caliente

Warmlicht
Warm Light
Luz caliente



McINTOSH

05203-00

Set bestehend aus:

- 1 Etui
- 1 Batteriegriff 05234-28
- 3 Spatel (Fig. 2-4)
- 2 Ersatzlampen 05239-02

Set consisting of:

- 1 Case
- 1 Handle 05234-28
- 3 Blades (Fig. 2-4)
- 2 Spare Bulbs 05239-02

Juego compuesto de:

- 1 Estuche
- 1 Mango 05234-28
- 3 Hojas (Fig. 2-4)
- 2 Bombilla de recambio 05239-02

05204-00

Set bestehend aus:

- 1 Etui
- 1 Batteriegriff 05234-28
- 4 Spatel (Fig. 1-4)
- 2 Ersatzlampen 05239-02

Set consisting of:

- 1 Case
- 1 Handle 05234-28
- 4 Blades (Fig. 1-4)
- 2 Spare Bulbs 05239-02

Juego compuesto de:

- 1 Estuche
- 1 Mango 05234-28
- 4 Hojas (Fig. 1-4)
- 1 Bombilla de recambio 05239-02

Laryngoskopie-Spatel mit integriertem Warmlichtträger
Laryngoscope Blades with Integrated Warm Light Carrier
Espátulas de laringoscopios con luz caliente integrada



Warmlicht
Warm Light
Luz caliente

McINTOSH



05210-00
59 mm, 2.32"
Nutzlänge
working length
largo útil

Fig. 0
für Säuglinge
for babies
para neonatales



05210-01
72 mm, 2.83"
Nutzlänge
working length
largo útil

Fig. 1
für Kinder
for children
para niños



05210-02
92 mm, 3.62"
Nutzlänge
working length
largo útil

Fig. 2
für Jugendliche
for adolescents
para adolescentes



05210-03
112 mm, 4.41"
Nutzlänge
working length
largo útil

Fig. 3
für Frauen
for women
para mujeres



05210-04
136 mm, 5.35"
Nutzlänge
working length
largo útil

Fig. 4
für Männer
for men
para hombres

Laryngoskope Warmlicht
Laryngoscopes Warm Light
Laringoscopios de luz caliente

Warmlicht
Warm Light
Luz caliente



MILLER

05213-03

Set bestehend aus:

- 1 Etui
- 1 Batteriegriff 05234-28
- 3 Spatel (Fig. 1-3)
- 1 Ersatzlampe 05239-01
- 1 Ersatzlampe 05239-02

Set consisting of:

- 1 Case
- 1 Handle 05234-28
- 3 Blades (Fig. 1-3)
- 1 Spare Bulb 05239-01
- 1 Spare Bulb 05239-02

Juego compuesto de:

- 1 Estuche
- 1 Mango 05234-28
- 3 Hojas (Fig. 1-3)
- 1 Bombilla de recambio 05239-01
- 1 Bombilla de recambio 05239-02

05213-04

Set bestehend aus:

- 1 Etui
- 1 Batteriegriff 05234-28
- 4 Spatel (Fig. 1-4)
- 1 Ersatzlampe 05239-01
- 1 Ersatzlampe 05239-02

Set consisting of:

- 1 Case
- 1 Handle 05234-28
- 4 Blades (Fig. 1-4)
- 1 Spare Bulb 05239-01
- 1 Spare Bulb 05239-02

Juego compuesto de:

- 1 Estuche
- 1 Mango 05234-28
- 4 Hojas (Fig. 1-4)
- 1 Bombilla de recambio 05239-01
- 1 Bombilla de recambio 05239-02

Laryngoskope Warmlicht
Laryngoscopes Warm Light
Laringoscopios de luz caliente



Warmlicht
Warm Light
Luz caliente

MILLER



05230-00
55 mm, 2.16"
Nutzlänge
working length
largo útil

Fig. 0
für Säuglinge
for babies
para neonatales



05230-01
80 mm, 3.15"
Nutzlänge
working length
largo útil

Fig. 1
für Kinder
for children
para niños



05230-02
130 mm, 5.12"
Nutzlänge
working length
largo útil

Fig. 2
für Jugendliche
for adolescents
para adolescentes



05230-03
170 mm, 6.69"
Nutzlänge
working length
largo útil

Fig. 3
für Frauen
for women
para mujeres

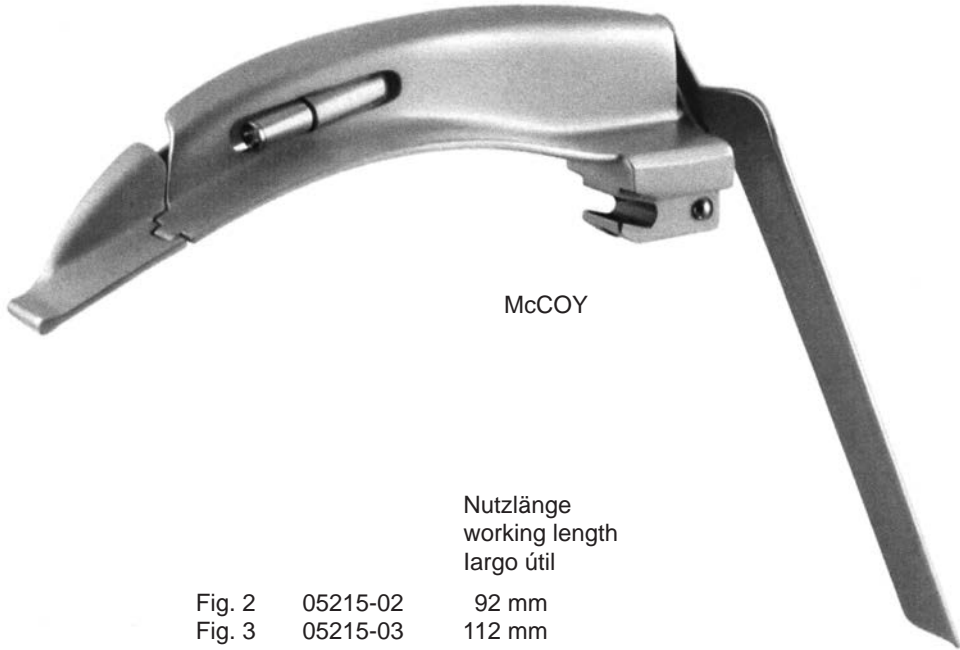


05230-04
188 mm, 7.4"
Nutzlänge
working length
largo útil

Fig. 4
für Männer
for men
para hombres

Laryngoskope Warmlicht
Laryngoscopes Warm Light
Laringoscopios de luz caliente

Warmlicht
Warm Light
Luz caliente



McCOY

Nutzlänge
working length
largo útil

Fig. 2	05215-02	92 mm
Fig. 3	05215-03	112 mm
Fig. 4	05215-04	136 mm

Batteriegriffe, Edelstahl
Battery Handles, Stainless Steel
Mango de pila, acero inoxidable



Kaltlicht
Cold Light
Luz fría



15,5 cm
19 mm Ø

05238-02



15,5 cm
28 mm Ø

05238-03



05239-03 Xenon 2,5 V

Ersatzlampe
Spare Bulb
Bombilla de recambio

mit Xenon-Lampe
with Xenon-Lamp
con lampara Xenon

05238-12

05238-13

mit LED-Lampe
with LED-Lamp
con lampara LED

Warmlicht
Warm Light
Luz caliente



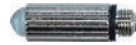
Batteriegriffe, Edelstahl
Battery Handles, Stainless Steel
Mango de pila, acero inoxidable



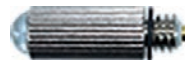
05233-18
14 cm
19 mm Ø



05234-28
14,5 cm
29 mm Ø



05239-01 2,5 V
Fig. 0-1



05239-02 2,5 V
Fig. 2-4

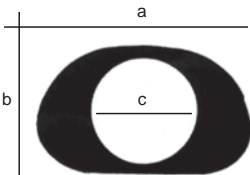
Ersatzlampe
Spare Bulb
Bombilla de recambio

Operations-Laryngoskope
 Operation Laryngoscope
 Laringoscopios operativo

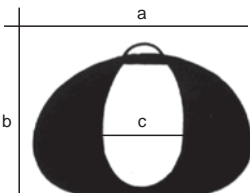
rostfreier Edelstahl
 Rohr: innen matt/außen glänzend
 Griff: matt

stainless steel
 tube: inner surface mat/outer
 surface polished
 handle: mat

acero inoxidable
 Pala: Superficie interior: mate
 Superficie exterior: brillante
 Mango: mate



Nr.	L (mm)	a (mm)	b (mm)	c (mm)	Lichtträger light guide Portador de luz
05301-01	130	19,5	12,0	10,5	05302-01
05301-02	150	20,5	13,0	10,5	05302-01
05301-03	170	26,0	15,5	13,5	05302-02
05301-04	170	28,5	18,5	15,0	05302-02
05301-05	170	31,5	21,5	19,0	05302-02



Nr.	L (mm)	a (mm)	b (mm)	c (mm)	Lichtträger light guide Portador de luz
05301-06	180	25,0	16,0	12,0 x 18,0	05302-02
05301-07	220	25,0	16,0	12,0 x 18,0	05302-03

Operations-Laryngoskope
Operation Laryngoscope
Laringoscopios operativo

05300-01

Bruststütze für Erwachsene, Set bestehend aus: 05300-03 / 05300-05 / 05300-06
Chest Support for adults, complete consisting of: 05300-03 / 05300-05 / 05300-06
Soporte pectoral para adultos, compuesto de: 05300-03 / 05300-05 / 05300-06

05300-02

Bruststütze für Kinder, Set bestehend aus: 05300-04 / 05300-05 / 05300-06
Chest Support for children, complete consisting of: 05300-04 / 05300-05 / 05300-06
Soporte pectoral para niños, compuesto de: 05300-04 / 05300-05 / 05300-06

05300-05
Gelenk
Joint
Articulacion

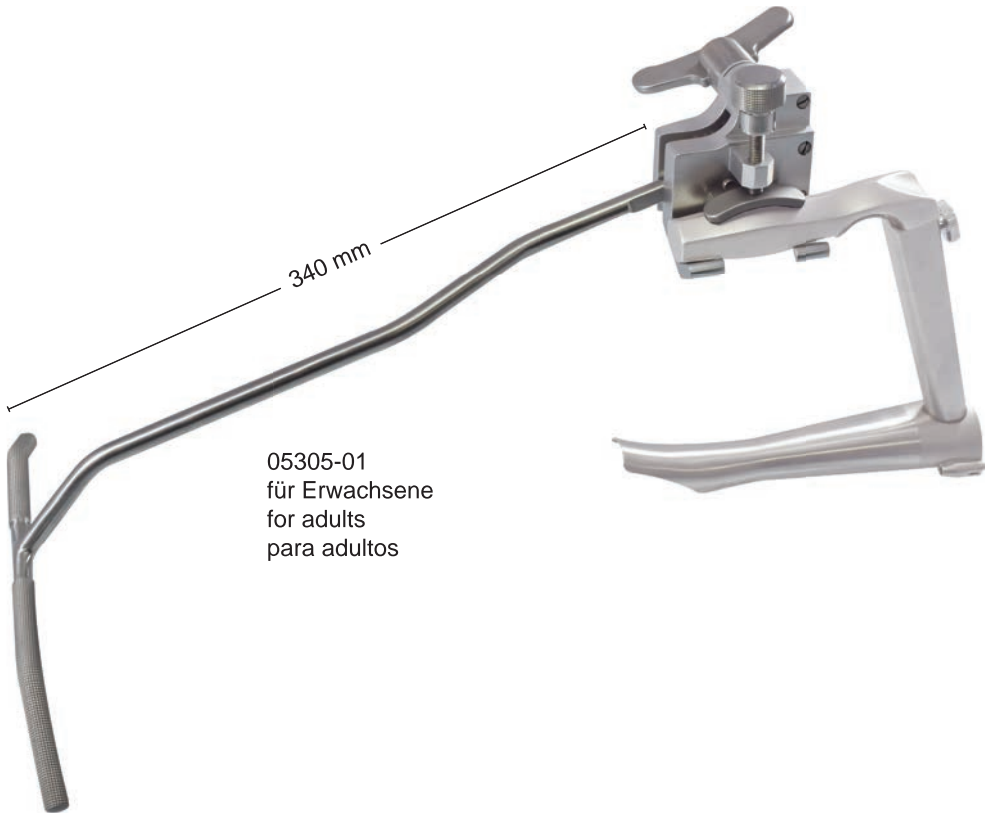


05300-03 - 34 cm, 13.4"
Stützstange für Erwachsene
Support rod for adults
soporte para adultos

05300-04 - 24 cm, 9 ½"
Stützstange für Kinder
Support rod for children
soporte para niños

05300-06 Ring
Ring
Anillo

LEWY Bruststütze, für Operations-Laryngoskop
LEWY Chest Support, for Operation Laryngoscope
Soporte pectoral LEWY para laringoscopios operativo



05305-01
für Erwachsene
for adults
para adultos

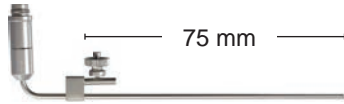
05305-02
Laryngoskope-Handgriff, abnehmbar
Laryngoscope Handle, detachable
Mango para laringoscopios, desmontable



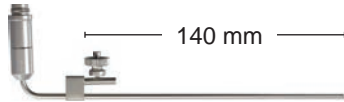
Verwendung mit
use with
utilizar con

05305-01
LEWY Bruststütze für Operations-Laryngoskope
LEWY Chest Support for Operating Laryngoscope
Soporte pectoral LEWY para laringoscopios operativo

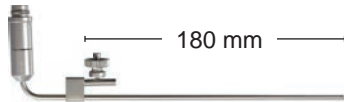
Fiberglas Lichtträger
Fiberglass Light Carriers
Portador de luz fría



05302-01 for Laryngoskope
05301-01 - 05301-02



05302-02 for Laryngoskope
05301-03 - 05301-06



05302-03 for Laryngoskope
05301-07

05303-01

Injektionskanüle für Laryngoskope: 05301-01 - 05301-07

Injection drain tube for Laryngoscopes: 05301-01 - 05301-07

Canúla de inyección para laringoscopios: 05301-01 - 05301-07



ACMI



WOLF



STORZ

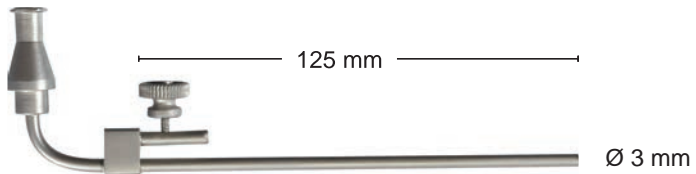
Unsere Fiberglas-Lichtträger werden mit allen Adaptern geliefert.
Our Fiberglass light carriers are supplied with all adapters.
Todos nuestros portadores de luz de fibra optica se suministran
con todos los adaptadores.

Fiberglas Lichtträger
Fiberglass Light Carriers
Portador de luz fría

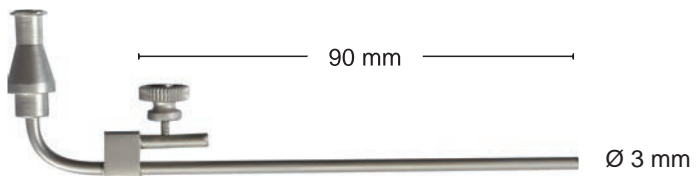


05303-10
Leuchtklammer
Light Clip
Grapa para iluminación

- 05304-01
Rauchabsaugrohr für Laryngoskope: 05301-03 - 05301-07
Suction tube for Laryngoscopes: 05301-03 - 05301-07
Canúla de succión para laringoscopios: 05301-03 - 05301-07

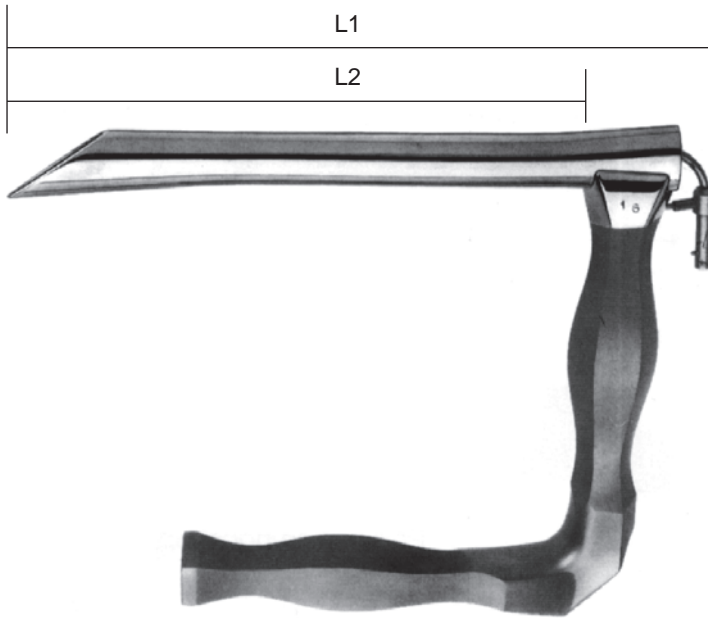


- 05304-02
Rauchabsaugrohr für Laryngoskope: 05301-01 - 05301-02
Suction tube for Laryngoscopes: 05301-01 - 05301-02
Canúla de succión para laringoscopios: 05301-01 - 05301-02



Unsere Fiberglas-Lichtträger werden mit allen Adaptern geliefert.
Our Fiberglass light carriers are supplied with all adapters.
Todos nuestros portadores de luz de fibra optica se suministran con todos los adaptadores.

Laryngoskope mit Fiberglass-Lichtträger
 Laryngoscopes with Fiberglass Light Carrier
 Laringoscopios con portador de luz de fibra óptica



HOLINGER

Nr.	L1	L2	Lichtträger light guide Portador de luz
05310-01	180 mm	158 mm	05311-01
05310-02	170 mm	148 mm	05311-02
05310-03	120 mm	98 mm	05311-03
05310-04	90 mm	68 mm	05311-04



Unsere Fiberglass-Lichtträger werden mit allen Adaptern geliefert.
 Our Fiberglass light carriers are supplied with all adapters.
 Todos nuestros portadores de luz de fibra optica se suministran
 con todos los adaptadores.

Operations-Laryngoskope
 Operation Laryngoscopes
 Laringoscopios operativos



JACKSON

Nr.	L1	L2	Außen-Dm Outer-dm dm-exterior	Innen-Dm Inner-dm dm-interior	Lichtträger light guide Portador de luz
05320-01	180 mm	158 mm	17,0 mm	14,5 mm	05321-01
05320-02	170 mm	148 mm	14,5 mm	12,5 mm	05321-02
05320-03	120 mm	98 mm	14,0 mm	12,0 mm	05321-03
05320-04	90 mm	68 mm	13,0 mm	10,5 mm	05321-04



Unsere Fiberglas-Lichtträger werden mit allen Adaptern geliefert.
 Our Fiberglass light carriers are supplied with all adapters.
 Todos nuestros portadores de luz de fibra optica se suministran
 con todos los adaptadores.



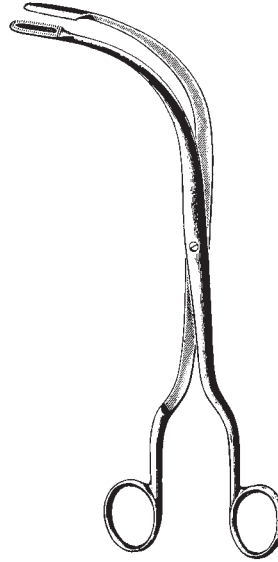
spreizbar
 spreadable
 desplegable

Nr.	L (mm)	a (mm)	b (mm)	c (mm)	Lichtträger light guide Portador de luz
05322-01	130	19,5	12,0	10,5	05302-01
05322-02	150	20,5	13,0	10,5	05302-01
05322-03	170	26,0	15,5	13,5	05302-02
05322-04	170	28,5	18,5	15,0	05302-02
05322-05	170	31,5	21,5	19,0	05302-02
05322-06	180	25,0	16,0	12,0 x 18,0	05302-02
05322-07	220	25,0	16,0	12,0 x 18,0	05302-03

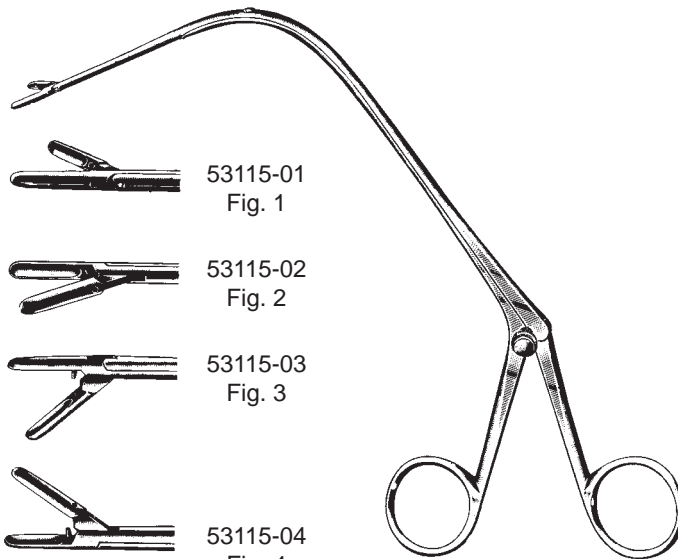


05303-10
 Leuchtklammer
 Light Clip
 Grapa para iluminación

Kehlkopf Polypenzangen
Laryngeal Polypus Forceps
Pinzas para pólipos laringeales



FRAENKEL
53111-18
18 cm, 7"



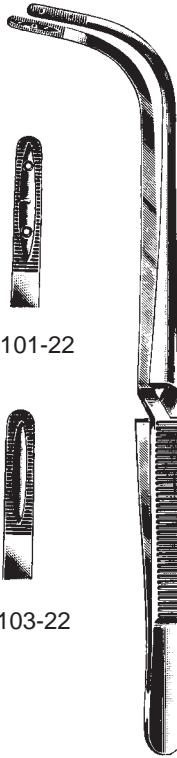
- 53115-01
Fig. 1
- 53115-02
Fig. 2
- 53115-03
Fig. 3
- 53115-04
Fig. 4

JURASZ
23 cm, 9"

Kehlkopfschere, Kehlkopfpinzette, Kehldeckelhalter
Laryngeal Scissors, Laryngeal Forceps, Epiglottis Retractor
Tijera laringeal, Pinza laringeal, Depresor para epiglottis



KILLIAN
53102-20
20 cm, 8"



JACKSON
22 cm, 8 ¾"

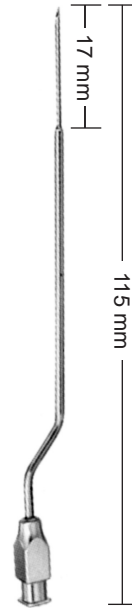


REICHERT
53121-24
24 cm, 9 ½"

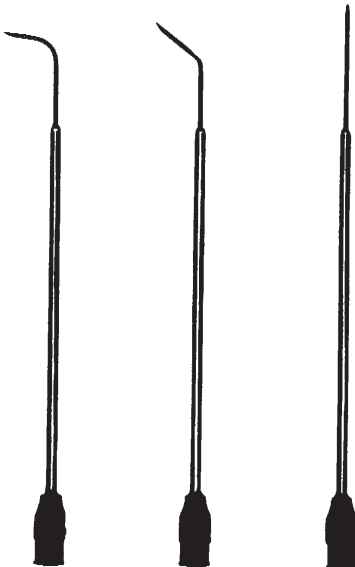
Kehlkopfkanülen, Tonsillenspritzen
Laryngeal Cannulas, Tonsil Syringes
Cánulas laringeales, Jeringas



51291-00
2,5 mm Ø



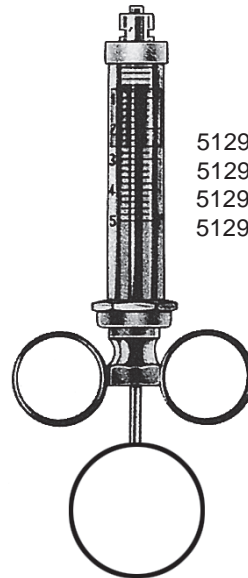
51293-00
0,8 mm Ø



51293-90
90°

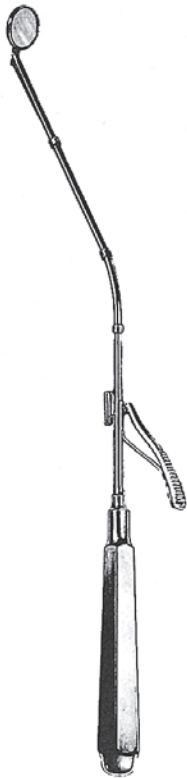
51293-45
45°

51292-00



51290-02 2 ml
51290-05 5 ml
51290-10 10 ml
51290-20 20 ml

Kehlkopfspiegel
Laryngeal Mirrors
Espejos laringeales



MICHEL
25 cm, 10"



47139-12
12 mm



47139-14
14 mm



47139-16
16 mm



47139-18
18 mm

Kehlkopfspiegel und -griffe
 Laryngeal Mirrors and Handles
 Espejos y mangos laringeales

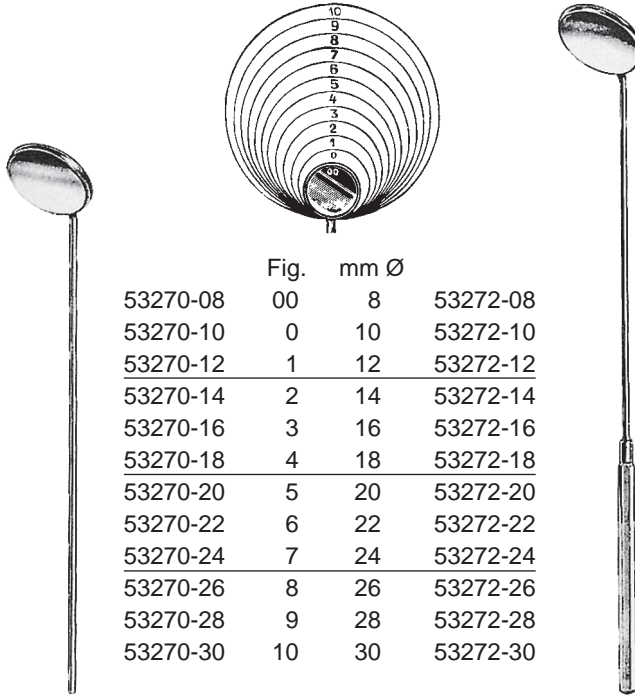


	Fig.	mm Ø	
53270-08	00	8	53272-08
53270-10	0	10	53272-10
53270-12	1	12	53272-12
53270-14	2	14	53272-14
53270-16	3	16	53272-16
53270-18	4	18	53272-18
53270-20	5	20	53272-20
53270-22	6	22	53272-22
53270-24	7	24	53272-24
53270-26	8	26	53272-26
53270-28	9	28	53272-28
53270-30	10	30	53272-30

53270-08 - 53270-30

53272-08 - 53272-30

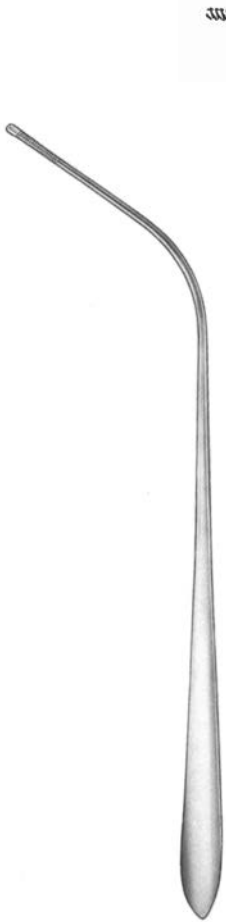


53274-12

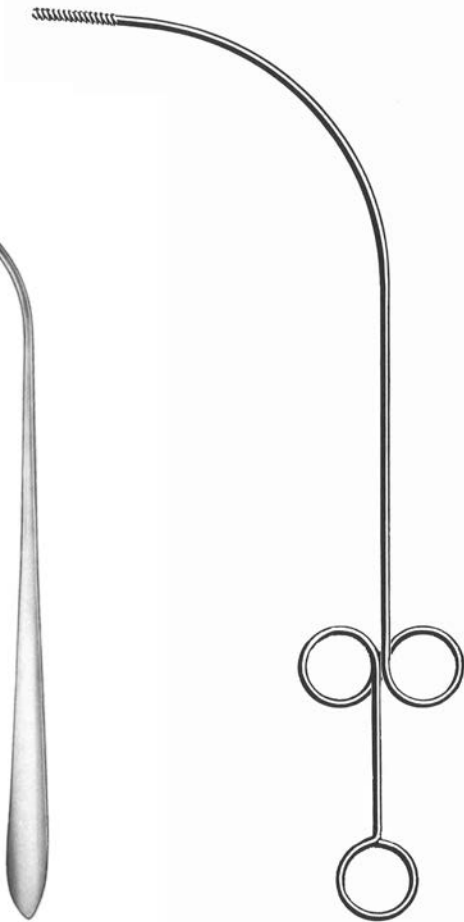


53276-10

Kehlkopfwatteträger
Laryngeal Cotton Carriers
Porta-algodones laringeales



KILLIAN
21350-25
25 cm, 10"



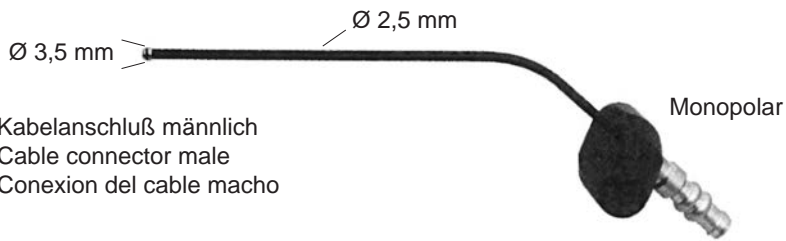
FEIN
21360-26
26 cm, 10 ¼"



21370-25
Ø 2,5 mm

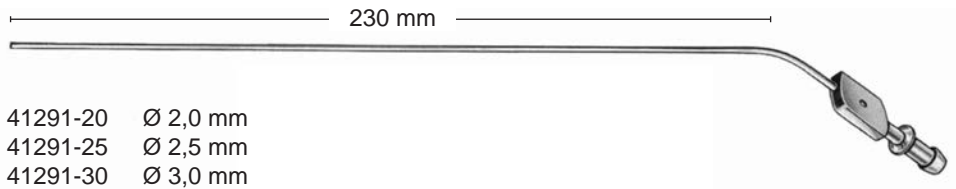
Saugrohre
Suction Tubes
Tubos de aspiración

Koagulations-Saugrohr, gerade
Coagulation Suction Tube, straight
Tubo de succión y coagulación, recto



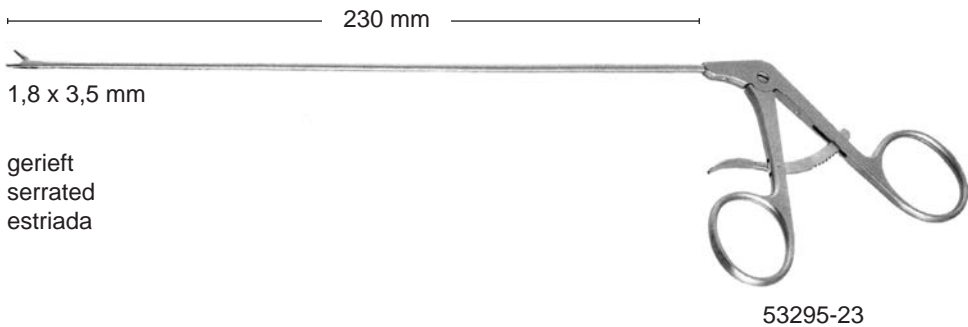
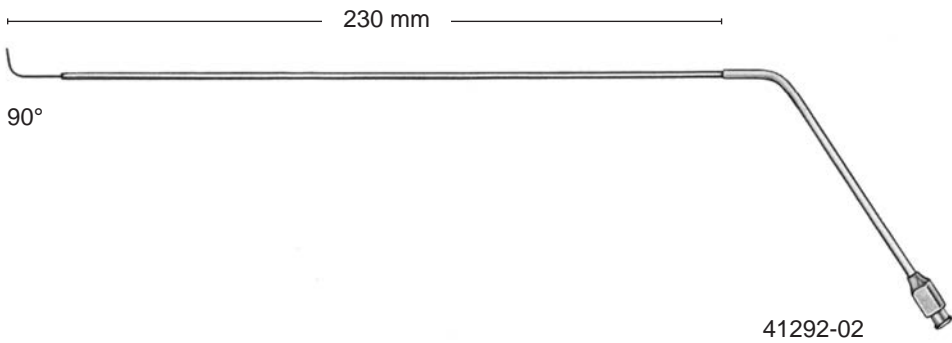
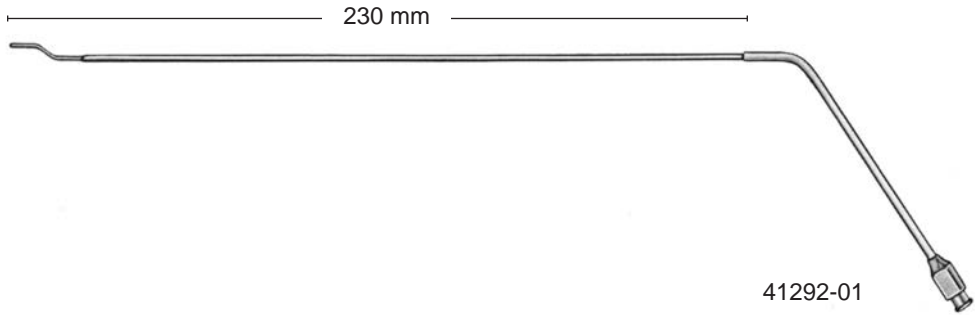
41312-10 Nutzlänge 10 cm, 4"
Working length 10 cm, 4"
Largo útil 10 cm, 4"

41312-26 Nutzlänge 26 cm, 10 ¼"
Working length 26 cm, 10 ¼"
Largo útil 26 cm, 10 ¼"

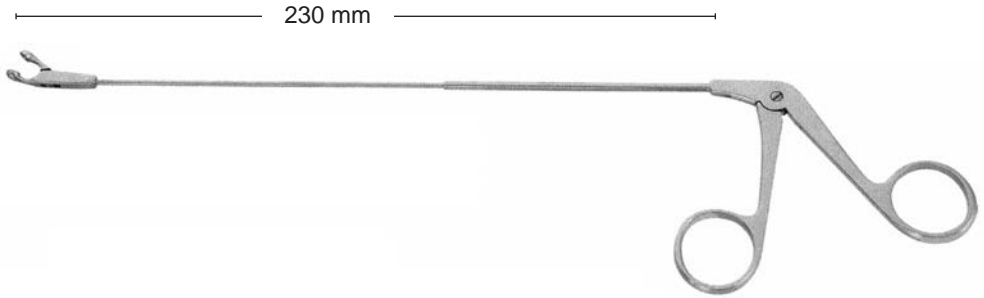


41291-20 $\varnothing 2,0 \text{ mm}$
41291-25 $\varnothing 2,5 \text{ mm}$
41291-30 $\varnothing 3,0 \text{ mm}$







Injektionskanüle, Luer-Lock, Nadelhalter
Injection Needle, Luer-Lock, Needle Holder
Canula de inyeccion, conexion Luer-Lock, Porta-aguja



Mikro Rohrschaftzangen
 Micro Laryngeal Forceps
 Micro pinzas con vaina tubular







Mikro-Fasszängchen
 Micro Grasping Forceps
 Micro pinzas de agarre






	gerade, gerieft straight, serrated recta, estriada	53280-01 1,5 x 10 mm
	nach links gebogen, gerieft curved to left, serrated curvada hacia la izquierda, estriada	53280-02 1,5 x 8,5 mm
	nach rechts gebogen, gerieft curved to right, serrated curvada hacia la derecha, estriada	53280-03 1,5 x 8,5 mm
	aufgebogen, gerieft curved up, serrated curvada hacia arriba, estriada	53280-16
	dreieckig, gerieft, nach rechts aufgebogen triangular, serrated, curved to right triangulada, estriada, curvada hacia la derecha	53280-17
	dreieckig, gerieft, nach links aufgebogen triangular, serrated, curved to left triangulada, estriada, curvada hacia la izquierda	53280-18

Mikro Rohrschaftzangen
 Micro Laryngeal Forceps
 Micro pinzas con vaina tubular

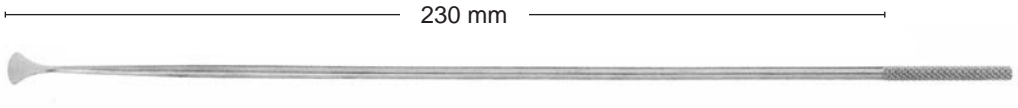
Mikro-Löffelzangen
 Micro Cup Shaped Forceps
 Micro pinzas en forma cucharilla


		Ø 2 mm	Ø 4 mm
	gerade straight recta	53280-04	53280-19
	nach links gebogen curved to left curvada hacia la izquierda	53280-05	53280-20
	nach rechts gebogen curved to right curvada hacia la derecha	53280-06	53280-21
	aufgebogen curved up curvada hacia arriba	53280-07	53280-22


Mikro-Scheren
 Micro Scissors
 Micro tijeras


	gerade straight recta		53280-08
	nach links gebogen curved to left curvada hacia la izquierda		53280-09
	nach rechts gebogen curved to right curvada hacia la derecha		53280-10
	gerade horizontal straight horizontal recta horizontal		53280-11
	aufgebogen 45° curved up 45° curvada hacia arriba en 45°		53280-12


Instrumente für Laryngoskopie
 Instruments for Laryngology
 Instrumentos para laringoscopia





	Messer, sichelförmig, gebogen, spitz Knife, sickle shaped, curved, pointed Cuchillo en forma de hoz, agudo, curvo	53290-01
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	Messer, oval, gerade Knife, oval, straight Cuchillo, recto, ovalado	53290-02
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	Messer, Rundschnittform, vertikal schneidend Knife, round, cuts vertically Cuchillo, corte redondo, corte vertical	53290-03
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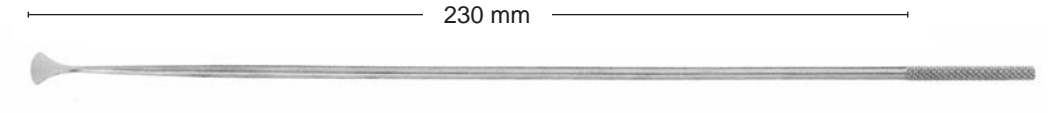
	Messer, oval 45°, 2,5mm Knife, oval 45°, 2,5 mm Cuchillo, ovalado en 45°, 2,5mm	53290-04
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	Häkchen, stumpf 90°, mit Sondenknopf Hook, blunt angled 90° with probe end Ganchito, romo en 90°, abotonado	53290-05
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	Häkchen, stumpf, mit Sondenknopf Hook, blunt with probe end Ganchito, romo, abotonado	53290-06
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	Knotenführer Knot tier Baja nudos	53290-07
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Instrumente für Laryngoskopie
 Instruments for Laryngology
 Instrumentos para laringoscopia



	Messer, gerader Schnitt, spitz Knife, straight cut, pointed Cuchillo, corte recto, agudo	53290-11
	Messer, golfstockförmig, gebogen, rund Knife, golf stick shaped, curved round Cuchillo en forma de golf, curvo, redondo	53290-12
	Häkchen, scharf Hook, sharp Ganchito, agudo	53290-13
	Umstechungsnadel, nach links gebogen Needle, curved to left Aguja, curvada hacia la izquierda	53290-14
	Umstechungsnadel, nach rechts gebogen Needle, curved to right Aguja, curvada hacia la derecha	53290-15
	Saugraspatorium Suction Elevator Legra de succion	53290-16



53290-08
 Handgriff für Stabinstrumente
 Handle for microlaryngeal instruments
 Mango para instrumentos microlaringeos

Universalgriffe, Verlängerungsrohre, Aufsätze
 Universal Handles, Interchangeable Tips, Tubes
 Mangos universales, Tubos de extension, Puntas

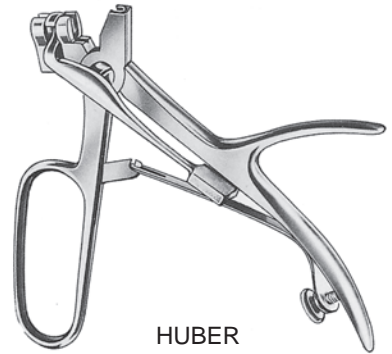


BRUENINGS
 53131-20
 20 cm, 8"



BRUENINGS

- | | | | |
|----------|----------------|----------|----------------|
| 53132-20 | 20 cm, 8" | 53132-50 | 50 cm, 19 3/4" |
| 53132-30 | 30 cm, 11 3/4" | 53132-60 | 60 cm, 23 1/2" |
| 53132-40 | 40 cm, 15 3/4" | | |



HUBER
 53130-00



FRAENKEL
 53150-00



SEIFERT
 53152-00



FRAENKEL
 53154-00



SCHEINMANN
 53155-00



SCHEINMANN
 53157-00



53158-02



53158-03



BRUENINGS
 53158-02 - 53158-03



53160-02



53160-03



BRUENINGS
 53160-02 - 53160-03



LANGE
 53162-00



53164-01



53164-02



KRAUSE
 53164-01 - 53164-02



KRAUSE
 53166-00



SCHUMACHER
 53170-00



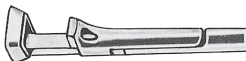
BARACANI
 53175-00



53177-01



53177-02



CORDES
 53177-01 - 53177-02



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BRONCHOSKOPIE

BRONCHOSCOPY

BRONCOSCOPIA



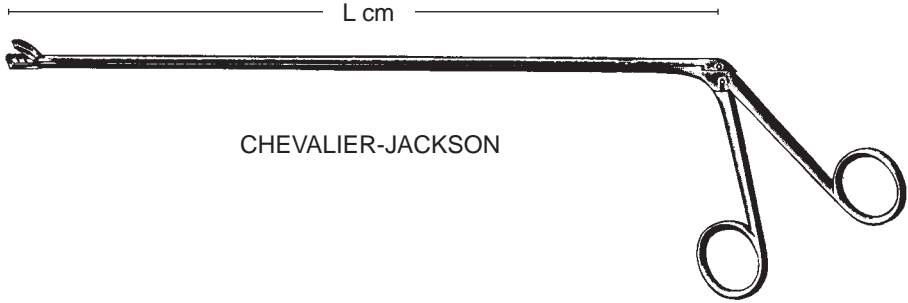
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Indikationen und Kontraindikationen finden Sie in der entsprechenden Gebrauchsanweisung!





Indication and Contraindication please refer to our user's manual!

Indicaciones y Contraindicaciones se encuentran en la instrucciones de uso correspondientes!

Broncho-Oesophagoskopiezangen
 Broncho-Esophagoscopy Forceps
 Pinzas para bronco-esofagoscopia



				Ø 4 mm
				
	Fig. 1	Fig. 2	Fig. 3	Fig. 4
30 cm / 11 3/4"	53230-01	53230-02	53230-03	53230-04
40 cm / 15 3/4"	53240-01	53240-02	53240-03	53240-04
50 cm / 19 3/4"	53250-01	53250-02	53250-03	53250-04
60 cm / 23 1/2"	53260-01	53260-02	53260-03	53260-04

				
	Fig. 5	Fig. 6	Fig. 7	Fig. 8
30 cm / 11 3/4"	53230-05	53230-06	53230-07	53230-08
40 cm / 15 3/4"	53240-05	53240-06	53240-07	53240-08
50 cm / 19 3/4"	53250-05	53250-06	53250-07	53250-08
60 cm / 23 1/2"	53260-05	53260-06	53260-07	53260-08

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SÄTZE

SET

SET



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Indication and Contraindication please refer to our user`s manual!
Indicaciones y Contraindicaciones se encuentran en la instrucciones de uso correspondientes!

SET/440:	Grundsieb HNO / Basic set for ENT / Juego basico para ORL	
03180-90	ZIEGLER head mirror 90mm	1x1
45246-14	ear forceps, HARTMANN 14cm	1x1
45206-14	ear forceps bayonet, LUCAE 14cm, without teeth	1x1
65110-15	tissue forceps, ALLIS 4x5 teeth, 15cm	1x1
17170-25	swab forceps serrated,FOERSTER straight, 25cm	1x1
45010-00	ear specula set of 4, HARTMANN	1x1
09304-14	operating sciss.fine, JOSEPH straight, 14,0cm	1x1
09305-14	operating sciss.fine, JOSEPH curved, 14,5cm	1x1
25137-11	BABY WEBSTER Needle Holder 4 3/4 TC smooth	1x1
45110-00	ear curette, BUCK straight, blunt, Fig. 0	1x1
45110-01	ear curette, BUCK straight, blunt, Fig. 1	1x1
45097-10	ear syringe complete, REINER 100ml	1x1
45150-18	paracentesis needle, POLITZER bajonet, 18cm	1x1
41299-03	Suction Tube Baron 3Fr	1x1
41299-05	suction tubes Baron 5Fr.	1x1
41299-07	suction tube, BARON 7 Fr.	1x1
45180-02	ear loop, BILLEAU, Fig.2, 16cm	1x1
45190-01	ear hooklet small, DAY, Fig. 1, 16cm	1x1
47112-01	nasal speculum, MOD.VIENNA for babies	1x1
47112-02	nasal speculum, MOD.VIENNA for children	1x1
47112-03	nasal speculum, MOD.VIENNA for adults	1x1
49107-19	tongue depressor, BRUENINGS 19cm	2x1
49265-14	mouth gag, DOYEN-JANSEN (Molt) 14cm	1x1
45072-01	Tuning forks w. foot, A1-440	1x1
21272-14	cotton applicators, FARREL triangular, 14cm	1x1
45193-01	hooklet , LUCAE Fig. 1	1x1
45206-16	ear forceps bayonet, LUCAE without teeth, 16cm	1x1
45261-08	ear polypus forceps, HARTMANN 8,5cm	1x1
45271-08	ear forceps, STRUEMPEL D. 2,5 x 5mm, 8,5cm	1x1
11102-14	forceps dressing, 14,5cm	1x1
11120-14	forceps tissue 1x2 t. 14,5 cm	1x1
47351-26	nasal snare angled, KRAUSE 26cm	1x1
47355-03	loops 0,3 mm bundle of 12 ea.	1x1
47332-25	EICKEN (KILLIAN) antrum cannula 2.5mm	1x1
43614-00	BOWMAN lachrymal probe, Fig. 00/0, 0,7/0,8mm Ø	1x1
43614-12	BOWMAN lachrymal probe, Fig. 1/2, D. 0,9/1,1mm	1x1
07103-00	scalpel handle no. 3 12,5cm	1x1
89142-02	jar 50 x 100mm	1x1
53272-10	laryngeal mirror with handle Fig. 0, D. 10mm	5x1
53272-12	laryngeal mirror with handle Fig. 1, D. 12mm	5x1
53272-16	laryngeal mirror with handle Fig. 3, D. 16mm	3x1
53272-18	laryngeal mirror with handle Fig. 4, D. 18mm	3x1
51290-02	tonsil syringe 3 rings LL 2ml	1x1
51292-00	tonsil injection needle straight	1x1
45097-10	ear syringe complete, REINER 100ml	1x1
89139-25	Kidney bowl medium 250 x 140 x 40mm	1x1

**SET/443: Myringotomie Set / Myringotomie Set /
Juego para miringotomia**

45010-55	ear specula, HARTMANN D. 5,5mm	1x1
45010-65	ear specula, HARTMANN D. 6,5mm	1x1
45010-75	ear specula, HARTMANN D. 7,5mm	1x1
45350-70	ear forceps micro serrated 7mm x 8cm	1x1
45110-01	ear curette, BUCK straight, blunt, Fig. 1	1x1
45165-17	ear knife, SEXTON angled, 17cm	1x1
45151-16	paracentesis needle, POLITZER angled, 16,5cm	1x1
45713-15	needle, BARBARA curved pointed	1x1
45724-10	hooklet, BARBARA 90° angled, 1,0mm	1x1
45180-02	ear loop, BILLEAU, Fig.2, 16cm	1x1
45192-02	hooklet , WAGENER Fig. 2, 14cm	1x1
21272-14	cotton applicators, FARREL triangular, 14cm	1x1
41305-07	suction tubes, ROSEN D. 0,7mm	1x1
41305-09	suction tubes, ROSEN D. 0,9mm	1x1
41305-12	suction tubes, ROSEN D. 1,2mm	1x1
41307-00	WULLSTEIN suction handle for Rosen cann.	1x1
45206-14	ear forceps bayonet, LUCAE 14cm, without teeth	1x1
45246-12	ear forceps, HARTMANN, 12cm	1x1
45255-08	ear polypus forceps, WULLSTEIN 8,5cm	1x1

SET/441: Set für Mastoidektomie / Mastoidectomy Set / Juego para mastoidectomia

07103-00	scalpel handle no. 3 12,5cm	1x1
47102-02	nasal speculum, HARTMANN-HALLE Fig. 2	1x1
19670-16	retractor, WEITLANER sharp, 16,5cm	1x1
19670-14	retractor, WEITLANER sharp, 14,0cm	1x1
19654-13	retractor, WEITLANER-WULLSTEIN sharp, 13cm	1x1
19280-03	retractor, VOLKMANN pointed, 21,5cm, 3 teeth	2x1
19312-02	retractor, LANGENBECK 21cm, 30x14mm	2x1
33702-15	periosteal elevator, FARABEUF straight, 15cm, 12,5mm	1x1
45807-20	elevator, LEMPERT 20.5cm	1x1
47415-18	FREER septum elevator, 18cm double ended, sharp/blunt	1x1
33605-04	gouge 13,5cm, 4mm	1x1
33605-06	gouge 13.5cm x 6mm	1x1
33605-08	gouge 13,5cm, 8mm	1x1
33602-04	osteotome 13,5cm, 4mm	1x1
33602-06	osteotome 13,5cm, 6mm	1x1
33602-08	osteotome 13,5cm, 8mm	1x1
33700-05	hammer, COTTLE flat/convex D. 30mm, 240gr., 18cm	1x1
47303-03	punch, KERRISON 17cm, shaft 85mm, 3x3mm	1x1
33156-18	bone rongeur, BEYER 18cm	1x1
45760-01	curette, HOUSE 1,0 / 1,2mm	1x1
33490-20	bone curette, LEMPERT 17,5cm, Fig. 00	1x1
33475-00	bone curette, SPRATT 17cm, Fig. 0	1x1
33475-01	bone curette, SPRATT 17cm, Fig. 1	1x1
13221-12	hemost.fcps.,HALSTED-MOSQUITO curved, 12,0cm	4x1
13310-14	hemost.fcps. ,ROCHESTER-PEAN straight, 14cm	4x1
13311-14	hemost.fcps. ,ROCHESTER-PEAN curved,14cm	4x1
13320-14	hemost.fcps.,ROCHESTER-OCHSNER 1x2 teeth, straight, 14cm	2x1
65110-15	tissue forceps, ALLIS 4x5 teeth, 15cm	2x1
11170-12	forceps dressing serr., ADSON 12cm	1x1
11180-12	forceps tissue 1x2 t.,ADSON 12cm	1x1
11188-12	forceps tissue, ADSON-BROWN 7x7 teeth, 12cm	1x1
11102-14	forceps dressing, 14,5cm	1x1
11120-14	forceps tissue 1x2 t. 14,5 cm	1x1
21320-18	cotton applicator,JOBSON-HORNE 18cm	1x1
09341-10	operating sciss.fine, IRIS curved, 10cm	1x1
09363-11	scissors, STEVENS blunt/blunt, curved 11cm	1x1
09305-14	operating sciss.fine, JOSEPH curved, 14,5cm	1x1
09283-15	diss.scissors,METZENBAUM-FINO curved, 15cm	1x1
09110-14	operating scissors, STANDARD pointed/blunt, straight 14,5cm	1x1
41299-03	Suction Tube Baron 3Fr	1x1
41299-05	suction tubes Baron 5Fr.	1x1
41299-07	suction tube, BARON 7 Fr.	1x1
41295-06	suction tube, FRAZIER/FERGUSSON 19cm, 30°, Charr. 6	1x1
41295-08	suction tube, FRAZIER/FERGUSSON 19cm, 30°, Charr. 8	1x1
41295-10	suction tube, FRAZIER/FERGUSSON 19cm, 30°, Charr. 10	1x1
41307-00	WULLSTEIN suction handle for Rosen cann.	1x1
41305-05	suction tubes, ROSEN D. 0,5mm	2x1

41305-08	Rosen Suction Tube 0,8mm	2x1
41305-09	suction tubes, ROSEN D. 0,9mm	2x1
41305-12	suction tubes, ROSEN D. 1,2mm	2x1
25144-13	needle holder, HALSEY serrated, TC, 13cm	1x1
25164-15	needle holder, CRILE-WOOD serrated, TC, 15cm	1x1
15111-09	towel forceps, BACKHAUS 9cm	6x1
17110-20	dressing forceps, GROSS-MAIER straight, 20cm	1x1
89127-08	Bowl round, stainless steel 80 x 40mm, 0,14 l. (5,6 OZ)	1x1
89127-06	round bowl 61x30mm, 0.07 ltr	1x1

SET/442: Set für Mikrochirurgie (Ohr) / Set for Ear Micro Surgery / Juego para micro otologia

47103-03	nasal specula HARTMANN Fig. 3	1x1
45803-16	elevator, LEMPERT curved, 16cm, 2mm	1x1
33718-16	periosteal elevator, JOSEPH 16cm, 4mm	1x1
11120-11	forceps tissue 1x2 t. 11,5 cm	1x1
11260-15	forceps dressing, SEMKEN 15,5cm	1x1
09141-14	dissecting scissors, DEEVER pointed/blunt, curved, 14,5cm	1x1
19677-13	Plester retractor, 13cm 2x2t., sharp	2x1
19673-11	retractor, PLESTER blunt, 11cm	1x1
19672-11	retractor, PLESTER blunt, 11cm	1x1
19283-01	WILLIGER, wound retractor, 12cm 3 teeth, sharp, straight	1x1
07103-00	scalpel handle no. 3 12,5cm	2x1
09111-14	operating scissors, STANDARD pointed/blunt, curved, 14,5cm	1x1
13310-14	hemost.fcps., ROCHESTER-PEAN straight, 14cm	1x1
25129-13	needle holder, WEBSTER TC smooth, 13cm	1x1
13220-12	hemost.fcps., HALSTED-MOSQUITO straight, 12,5cm	1x1
13221-12	hemost.fcps., HALSTED-MOSQUITO curved, 12,0cm	2x1
15111-09	towel forceps, BACKHAUS 9cm	6x1
09340-10	operating sciss.fine, IRIS straight, 10cm	1x1
R065-040125-003	Bipolar connecting cable 3 mtr. long for Erbe / Storz HF-generators european flat plug f. instruments	1x1
45010-55	ear specula, HARTMANN D. 5,5mm	1x1
45010-65	ear specula, HARTMANN D. 6,5mm	1x1
45010-75	ear specula, HARTMANN D. 7,5mm	1x1
45350-70	ear forceps micro serrated 7mm x 8cm	1x1
45255-08	ear polypus forceps, WULLSTEIN 8,5cm	1x1
45261-08	ear polypus forceps, HARTMANN 8,5cm	1x1
45362-45	ear fcps.micro spoon oval 4,5mm, straight	1x1
45267-20	ear polypus forceps, HARTMANN D. 2,0mm, 8,5cm	1x1
45310-40	ear scissors micro, BELLUCCI micro mini, 4mm	1x1
45387-01	DIETER, malleurs punches upwards cutting, Ø 1,8mm, 8cm	1x1
45371-40	McGEE, wire bending forceps 0,8 x 4,0mm, 8cm	1x1
41305-10	suction tubes, ROSEN D. 1,0mm	4x1
41305-07	suction tubes, ROSEN D. 0,7mm	4x1
41305-12	suction tubes, ROSEN D. 1,2mm	4x1
41305-15	suction tubes, ROSEN D. 1,5mm	4x1
41305-20	suction tubes, ROSEN D. 2,0mm	4x1
41307-00	WULLSTEIN suction handle for Rosen cann.	1x1
41304-06	suction tubes, PLESTER 30°, Charr.6	1x1
41304-08	suction tubes, PLESTER 30°, Charr.8	1x1
41304-10	suction tubes, PLESTER 30°, Charr.10	1x1
45190-02	ear hooklet medium, DAY, Fig. 2, 16cm	1x1
45192-03	hooklet, WAGENER Fig. 3, 14cm	1x1
45111-00	ear curette Buck straight, sharp, Fig. 00	1x1
45112-00	ear curette Buck straight, sharp, Fig. 0	1x1
45748-16	hook, reverse cutting, 0,6mm/16cm	1x1
45760-01	curette, HOUSE 1,0 / 1,2mm	2x1

45760-02	curette, HOUSE 1,5 / 1,8mm	2x1
45749-16	PLESTER, footplate hook, 16cm 90°angled, oval-blunt	1x1
45722-06	hooklet, BARBARA 45° angled, 0,6mm	1x1
45724-03	hooklet, BARBARA 90° angled, 0,3mm	2x1
45724-06	hooklet, BARBARA 90° angled, 0,6mm	2x1
45771-16	fork PLESTER, 16cm, width 0,6mm	1x1
45722-10	hooklet, BARBARA 45° angled, 1,0mm	1x1
45706-35	Round knife, PLESTER 15,5cm, size 3,5mm	2x1
45709-20	knife circular, ROSEN 2mm	2x1
45704-15	sickle knife, WULLSTEIN 15,5cm	2x1
45713-15	needle, BARBARA curved pointed	2x1
45724-10	hooklet, BARBARA 90° angled, 1,0mm	1x1
91127-16	bipolar forceps angled 1mm, 16,5cm	1x1
89127-08	Bowl round, stainless steel 80 x 40mm, 0,14 l. (5,6 OZ)	1x1

**SET/444: Set für Ohrmuschel - Operation /
Set for Otoplasty Surgery / Juego para cirugía otoplastica**

07103-00	scalpel handle no. 3 12,5cm	1x1
09341-10	operating sciss.fine, IRIS curved, 10cm	1x1
09305-14	operating sciss.fine, JOSEPH curved, 14,5cm	1x1
09358-11	Cottle bulldog-scissors cvd.,11,5cm	1x1
09111-14	operating scissors, STANDARD pointed/blunt, curved, 14,5cm	1x1
11130-11	Tissue Fcps 1x2 teeth 11cm fine	1x1
11188-12	forceps tissue, ADSON-BROWN 7x7 teeth, 12cm	1x1
11102-14	forceps dressing, 14,5cm	1x1
11120-14	forceps tissue 1x2 t. 14,5 cm	1x1
21272-14	cotton applicators, FARREL triangular, 14cm	1x1
47530-01	DINGMAN nasal rasp 15cm, left # 1	1x1
47530-02	DINGMAN nasal rasp 15cm right # 2	1x1
47380-15	nasal plastic knife, COTTLE 15cm	1x1
47415-18	FREER septum elevator, 18cm double ended, sharp/blunt	1x1
47451-04	septum chisel, FREER 4mm, curved	1x1
47562-18	hooklet delicate, GILLIES 18cm Fig. 2	1x1
19216-05	hooklet sharp 2 prong, JOSEPH 5mm, 16cm	1x1
19221-02	retractor (trach.) blunt 2 prongs, 16cm	1x1
89148-25	medicine cup 25 CC	1x1
51290-05	tonsil syringe 3 ring LL 5ml	1x1
41295-10	suction tube, FRAZIER/FERGUSSON 19cm, 30°, Charr. 10	1x1
41295-08	suction tube, FRAZIER/FERGUSSON 19cm, 30°, Charr. 8	1x1
13221-12	hemost.fcps.,HALSTED-MOSQUITO curved, 12,0cm	6x1
13240-14	hemost.fcps. , KELLY straight, 14cm	1x1
11190-10	forceps, GRAEFE 10,5cm	1x1
43810-10	GRAEFE iris forceps, anatomic, straight, 10cm	1x1
13310-14	hemost.fcps. ,ROCHESTER-PEAN straight, 14cm	1x1
15111-09	towel forceps, BACKHAUS 9cm	6x1
25144-13	needle holder, HALSEY serrated, TC, 13cm	1x1
91122-16	bipolar forceps pointed straight, 16,5cm total long	1x1
R065-040125-005	Bipolar connecting cable 5mtr. long for Erbe / Storz HF-generators european plug for instruments	1x1

**SET/445: Satz zur Mittelohr-Chirurgie, Tympanoplastik und Stapedektomie /
Set for tympanic and stapedectomy /
Juego para cirugía de timpano y estapedectomía**

19654-13	retractor, WEITLANER-WULLSTEIN sharp, 13cm	1x1
19672-11	retractor, PLESTER blunt, 11cm	1x1
19673-11	retractor, PLESTER blunt, 11cm	1x1
19677-13	Plester retractor, 13cm 2x2t., sharp	1x1
47120-50	Nasal speculum, KILLIAN 50mm	1x1
45010-55	ear specula, HARTMANN D. 5,5mm	1x1
07103-00	scalpel handle no. 3 12,5cm	1x1
07109-15	scalpel handle MINI 15,5cm	1x1
47451-04	septum chisel, FREER 4mm, curved	1x1
45802-16	elevator, LEMPert straight, 16cm, 2mm	1x1
41305-12	suction tubes, ROSEN D. 1,2mm	1x1
41305-15	suction tubes, ROSEN D. 1,5mm	1x1
41305-20	suction tubes, ROSEN D. 2,0mm	1x1
41307-00	WULLSTEIN suction handle for Rosen cann.	1x1
45709-10	knife circular, ROSEN 1.0mm	1x1
45724-06	hooklet, BARBARA 90° angled, 0,6mm	1x1
45724-10	hooklet, BARBARA 90° angled, 1,0mm	1x1
45724-15	hooklet, BARBARA 90° angled, 1,5mm	1x1
45724-25	hooklet, BARBARA 90° angled, 2,5mm	1x1
45766-40	Micro Measuring Rod, HOUSE 4.0mm	1x1
45766-50	Micro Measuring Rod, HOUSE 5.0mm	1x1
11120-11	forceps tissue 1x2 t. 11,5 cm	1x1
11120-14	forceps tissue 1x2 t. 14,5 cm	1x1
11405-05	forceps, jeweller Fig. 5 11cm, 0.15mm	1x1
11170-12	forceps dressing serr., ADSON 12cm	1x1
09285-12	dissecting sciss., METZENBAUM curved, TC 12,0cm	1x1
09340-10	operating sciss.fine, IRIS straight, 10cm	1x1
09358-11	Cottle bulldog-scissors cvd., 11,5cm	1x1
09111-14	operating scissors, STANDARD pointed/blunt, curved, 14,5cm	1x1
13221-12	hemost.fcps., HALSTED-MOSQUITO curved, 12,0cm	1x1
25164-15	needle holder, CRILE-WOOD serrated, TC, 15cm	1x1
45706-35	Round knife, PLESTER 15,5cm, size 3,5mm	1x1
45722-10	hooklet, BARBARA 45° angled, 1,0mm	1x1
45757-16	dissector, FISCH right, 16cm	1x1
45755-16	dissector, FISCH left, 16cm	1x1
45704-15	sickle knife, WULLSTEIN 15,5cm	1x1
45724-03	hooklet, BARBARA 90° angled, 0,3mm	1x1
45724-06	hooklet, BARBARA 90° angled, 0,6mm	1x1
45724-10	hooklet, BARBARA 90° angled, 1,0mm	1x1
21108-14	probe myrtle leaf 14,5 cm	1x1
45371-40	McGEE, wire bending forceps 0,8 x 4,0mm, 8cm	1x1
45362-45	ear fcps.micro spoon oval 4,5mm, straight	1x1
45267-20	ear polypus forceps, HARTMANN D. 2,0mm, 8,5cm	1x1
45255-08	ear polypus forceps, WULLSTEIN 8,5cm	1x1
45310-40	ear scissors micro, BELLUCCI micro mini, 4mm	1x1
45315-55	ear scissors micro, BELLUCCI micro stanard, 5,5mm, curved right	1x1
45317-55	ear scissors micro, BELLUCCI micro standard, 5,5mm, curved left	1x1
45324-03	FISCH, ear scissors, cvd. right 3,0x0,75x2,0mm, 8cm	1x1
45325-03	FISCH, ear scissors, cvd. left 3,0x0,75x2,0mm, 8cm	1x1

**SET/450: Nasenseptumsatz / Nasal Septum set /
Juego para el septo nasal**

47102-03	nasal speculum, HARTMANN-HALLE Fig. 3	1x1
47120-50	Nasal speculum, KILLIAN 50mm	1x1
47120-75	nasal speculum, KILLIAN 75mm	1x1
47120-90	nasal speculum, KILLIAN 90mm	1x1
09341-11	operating sciss.fine, IRIS curved, 11cm	1x1
09305-14	operating sciss.fine, JOSEPH curved, 14,5cm	1x1
09350-10	Graefe scissors, 10cm fine pattern	1x1
47223-01	WEIL-BLAKESLEY nose forceps shaft 120mm, straight, 3.0mm, Fig.1	1x1
47242-00	nasal cutting fcps, TAKAHASHI shaft 120mm, 4x10mm tip, straight	1x1
09401-18	scissors nasal, HEYMANN 18cm	1x1
47159-20	LUBET-BARBON nasal dressing forceps, 20cm	1x1
41295-08	suction tube, FRAZIER/FERGUSSON 19cm, 30°, Charr. 8	1x1
49107-19	tongue depressor, BRUENINGS 19cm	1x1
47565-10	COTTLE columella forcep 10cm	1x1
11188-12	forceps tissue, ADSON-BROWN 7x7 teeth, 12cm	1x1
11190-10	forceps, GRAEFE 10,5cm	1x1
11102-14	forceps dressing, 14,5cm	1x1
11120-14	forceps tissue 1x2 t. 14,5 cm	1x1
45206-16	ear forceps bayonet, LUCAE without teeth, 16cm	1x1
21270-14	cotton applicators, FARREL threaded, 14cm	2x1
47380-15	nasal plastic knife, COTTLE 15cm	1x1
47554-01	retractor, COTTLE Fig. 1 14.5cm	1x1
47410-04	septum elevator, McKENTY 15cm, 4mm	1x1
33700-05	hammer, COTTLE flat/convex D. 30mm, 240gr., 18cm	1x1
47415-18	FREER septum elevator, 18cm double ended, sharp/blunt	1x1
47454-04	rhinoplastic ostetome, COTTLE 18cm, straight, 4mm	1x1
47454-07	rhinoplastic osteotome, COTTLE 18cm, straight, 7mm	1x1
47423-22	septum elevator, COTTLE 22cm	1x1
25214-18	needle holder, DE-BAKEY serrated, TC, 18cm	1x1
15111-09	towel forceps, BACKHAUS 9cm	6x1
47351-26	nasal snare angled, KRAUSE 26cm	1x1
47355-03	loops 0,3 mm bundle of 12 ea.	1x1
47385-15	nasal plastic knife, JOSEPH 15cm curved	1x1
89127-08	Bowl round, stainless steel 80 x 40mm, 0,14 l. (5,6 OZ)	1x1
33720-19	periosteal elevator, BOIES 19cm, 9mm	1x1
91122-16	bipolar forceps pointed straight, 16,5cm total long	1x1

SET/451:	Rhinoplastiksatz / Rhinoplasty Set / Juego para rinoplastia	
07109-15	scalpel handle MINI 15,5cm	1x1
07103-00	scalpel handle no. 3 12,5cm	1x1
47380-15	nasal plastic knife, COTTLE 15cm	1x1
21272-14	cotton applicators, FARREL triangular, 14cm	2x1
09341-11	operating sciss.fine, IRIS curved, 11cm	1x1
09305-14	operating sciss.fine, JOSEPH curved, 14,5cm	1x1
09617-13	Rhinoplastic scissors, FOMON curved, 13cm	1x1
09401-18	scissors nasal, HEYMANN 18cm	1x1
47454-04	rhinoplastic osteotome, COTTLE 18cm, straight, 4mm	1x1
47454-07	rhinoplastic osteotome, COTTLE 18cm, straight, 7mm	1x1
47473-01	rhinoplastic chisel, SILVER 18cm, straight	1x1
47473-02	rhinoplastic chisel, SILVER 18cm, curved right	1x1
47473-03	rhinoplastic chisel, SILVER 18cm, curved left	1x1
47554-01	retractor, COTTLE Fig. 1 14.5cm	1x1
47556-16	FOMON Alar Hooklet 16cm	1x1
47559-20	hooklet, COTTLE-NEIVERT double, 20cm	1x1
47551-16	nasal retracator, AUFRICHT 16cm	1x1
47423-22	septum elevator, COTTLE 22cm	1x1
47426-22	septum elevator, KILLIAN 22cm	1x1
47410-04	septum elevator, McKENTY 15cm, 4mm	1x1
45206-14	ear forceps bayonet, LUCAE 14cm, without teeth	1x1
11188-12	forceps tissue, ADSON-BROWN 7x7 teeth, 12cm	1x1
47522-01	nasal rasp, FOMON 20cm, Fig. 1/2 TC	1x1
47522-04	nasal rasp, FOMON 20cm, Fig. 3/4 TC	1x1
47571-23	septum straight.fcps., ASCH 23cm	1x1
33700-05	hammer, COTTLE flat/convex D. 30mm, 240gr., 18cm	1x1
47532-19	nasal saw, JOSEPH 19cm, left	1x1
47534-19	nasal saw, JOSEPH 19cm, right	1x1
47120-75	nasal speculum, KILLIAN 75mm	1x1
47120-90	nasal speculum, KILLIAN 90mm	1x1
47223-01	WEIL-BLAKESLEY nose forceps shaft 120mm, straight, 3.0mm, Fig.1	1x1
47223-03	forceps, WEIL-BLAKESLEY shaft 120mm, straight, 4.2mm, Fig. 3	1x1
47461-00	COTTLE cartilage crusher	1x1
47255-01	nasal cut.fcps WATSON-WILLIAMS 7mm jaw straight, 120mm working lenth	1x1
25164-15	needle holder, CRILE-WOOD serrated, TC, 15cm	1x1
25164-18	needle holder, CRILE-WOOD serrated, TC, 18cm	1x1
41295-08	suction tube, FRAZIER/FERGUSSON 19cm, 30°, Charr. 8	1x1
41295-10	suction tube, FRAZIER/FERGUSSON 19cm, 30°, Charr. 10	1x1
47565-10	COTTLE columella forcep 10cm	1x1
47411-16	septum elevator, JOSEPH 16cm	1x1
47390-03	swivel knife, BALLENGER straight, 20cm, 3mm	1x1
47380-15	nasal plastic knife, COTTLE 15cm	1x1
33282-19	bone cut.fcps,COTTLE-KAZANJIAN 19cm	1x1
19216-02	hooklet sharp 2 prong, JOSEPH 2mm, 16cm	1x1
47323-19	septum fcps, MIDDLETON-JANSEN 19cm	1x1

SET/452: Endonasaler Satz / Endonasal set / Juego endonasal		
41295-08	suction tube, FRAZIER/FERGUSSON 19cm, 30°, Charr. 8	1x1
41295-10	suction tube, FRAZIER/FERGUSSON 19cm, 30°, Charr. 10	1x1
45160-15	ear knife, POLITZER 15cm	1x1
47223-01	WEIL-BLAKESLEY nose forceps shaft 120mm, straight, 3.0mm, Fig.1	1x1
47223-02	forceps, WEIL-BLAKESLEY shaft 120mm, straight, 3.6mm, Fig. 2	1x1
47223-03	forceps, WEIL-BLAKESLEY shaft 120mm, straight, 4.2mm, Fig. 3	1x1
47224-01	forceps, WEIL-BLAKESLEY shaft 120mm, 45° upcurved, size 1 3,0mm	
47224-02	forceps, WEIL-BLAKESLEY shaft 120mm, curved up, Fig.2	1x1
47120-35	nasal speculum, KILLIAN 35mm	1x1
47120-50	Nasal speculum, KILLIAN 50mm	1x1
47120-75	nasal speculum, KILLIAN 75mm	1x1
47320-00	Biopsy fcps. with cup jaws	1x1
47195-01	nasal cutting forceps, LUC 19cm Fig. 1	1x1
47240-19	nasal cutting fcps., STRUYCKEN shaft 120mm, tip width 1,0mm	1x1
47315-00	OSTROEM Antrum punch up cutting, 2mm 100mm working length	1x1
09401-18	scissors nasal, HEYMANN 18cm	1x1
47305-01	nasal scissors, str. 11cm	1x1
47332-30	EICKEN (KILLIAN) antrum cannula 3.0mm long curved, 14cm long, stainless steel	1x1
47332-25	EICKEN (KILLIAN) antrum cannula 2.5mm long curved, 14cm long, stainless steel	1x1
47423-22	septum elevator, COTTLE 22cm	1x1
47158-20	WESTMACOTT nasal dressing forceps, 20cm	1x1

**SET/453: Satz für die endoskopische Nasennebenhöhlen-Chirurgie /
Set for Endoscopic Paranasal Sinus /
Juego para cirugía endoscópica del seno paranasal**

23181-40	Sinoscopy-trocar 5mm Ø, oblique beak 8,5cm long, f. endoscope 4mm Ø w. pyramidal trocar and obturator	1x1
47103-02	nasal specula HARTMANN Fig. 2	1x1
R500-040175-000		1x1
	Sinuscope 4mm Ø, 0° angle of view autoclavable, intergrated fiber optic for illumination, 175mm work.length	
R500-040175-030		1x1
	Sinuscope 4mm Ø, 30° angle of view autoclavable, intergrated fiber optic f. illumination, 175mm work.length	
91159-19	bipolar forceps angled 2mm, 19,5cm	1x1
51293-45	tonsil injection needle 45° angled	1x1
47580-19	Sickle knife 19cm long, pointed	1x1
47415-18	FREER septum elevator, 18cm double ended, sharp/blunt	1x1
47399-01	Antrum spoon 55° 19cm	1x1
47399-02	Antrum spoon, 90°, 19cm	1x1
47388-04	Antrum curette, curved, 20cm/2,5mm, 30° oval	1x1
47423-22	septum elevator, COTTLE 22cm	1x1
41295-08	suction tube, FRAZIER/FERGUSSON 19cm, 30°, Charr. 8	1x1
41295-10	suction tube, FRAZIER/FERGUSSON 19cm, 30°, Charr. 10	1x1
47332-25	EICKEN (KILLIAN) antrum cannula 2.5mm long curved, 14cm long, stainless steel	1x1
47332-30	EICKEN (KILLIAN) antrum cannula 3.0mm long curved, 14cm long, stainless steel	1x1
47324-01	Maxillary antrum grasping forceps, straight, 90° backward opening, rigid jaw, working length 100mm	1x1
47223-30	nose forceps BLAKESLEY, straight, 3,0mm, working length 130mm	1x1
47223-35	nose forceps BLAKESLEY, straight, 3,5mm, working length 130mm	1x1
47224-30	nose forceps BLAKESLEY, 45° curved up, 3mm, working length 130mm	1x1
47305-01	nasal scissors, str. 11cm	1x1
47317-70	Sinoscopy forceps, shaft length 12cm, horizontal cutting, oval, 70°	1x1
47318-70	Sinoscopy forceps, shaft length 12cm, vertical cutting, oval, 70°	1x1
47320-00	Biopsy fcps. with cup jaws	1x1
47315-00	OSTROEM Antrum punch up cutting, 2mm 100mm working length	1x1
47316-00	OSTROEM Antrum-punch right cutting, 2mm 100mm working length	1x1
47317-00	OSTROEM Antrum-punch left cutting, 2mm 100mm working length	1x1
47240-19	nasal cutting fcps.,STRUYCKEN shaft 120mm, tip width 1,0mm	1x1
47319-35	circular fcps. straight, dia. 3,5mm cutting 360°	1x1
47320-45	circular fcps. 4,5mm Ø, 65° upcurved	1x1

**SET/460: Tonsillektomie-Adenotomie Satz /
Tonsillectomy and Adenoidectomy Set /
Juego para amigdalactomia y adenotomia**

49342-01	tongue depress.,RUSSEL-DAVIS 29 x 67mm	1x1
49342-02	tongue depress.,RUSSEL-DAVIS 33 x 75mm	1x1
49342-03	tongue depress.,RUSSEL-DAVIS 38 x 85mm	1x1
49340-00	mouth gag only, DAVIS-MEYER	1x1
49111-15	tongue depressor, HARTMANN 15cm	1x1
47235-09	nasal cutting forceps,HARTMANN 9mm	1x1
49107-19	tongue depressor, BRUENINGS 19cm	1x1
53272-14	laryngeal mirror with handle Fig. 2, D. 14mm	1x1
53272-20	laryngeal mirror with handle Fig. 5, D. 20mm	1x1
51292-00	tonsil injection needle straight	1x1
51290-05	tonsil syringe 3 ring LL 5ml	1x1
15111-09	towel forceps, BACKHAUS 9cm	6x1
89127-08	Bowl round, stainless steel 80 x 40mm, 0,14 l. (5,6 OZ)	1x1
51256-28	tonsil snare, BRUENINGS 28cm	1x1
51259-04	tonsil loops 0,4mm Ø, pack of 12 pcs.	1x1
51209-20	tonsil seizing forceps,BLOHMKE 20cm	1x1
51205-18	tonsil seizing fcps, WHITE 18cm	1x1
09435-18	tonsil scissors, BOETTCHER curved, 18cm	1x1
05150-27	aspiration tube, YANKAUER complete, 27cm	1x1
51135-01	tonsil elevator, HENKE Fig. 1, 23cm	1x1
51183-19	tonsil forceps, SCHNIDT 19cm curved	1x1
13551-20	peritoneum forceps, MIKULICZ 20cm 1x2 teeth	1x1
11102-20	forceps dressing, 20cm	1x1
11120-20	forceps tissue 1x2 teeth, 20cm	1x1
47630-00	adenoid curette, BARNHILL 21cm, Fig. 0	1x1
47630-01	adenoid curette, BARNHILL 21cm, Fig. 1	1x1
47630-02	adenoid curette, BARNHILL 21cm, Fig. 2	1x1
47630-03	adenoid curette, BARNHILL 21cm, Fig. 3	1x1
47630-04	adenoid curette, BARNHILL 21cm, Fig. 4	1x1
51131-22	tonsil dissector, HURD 22cm	1x1
25214-18	needle holder, DE-BAKEY serrated, TC, 18cm	1x1
47245-01	naso-pharyngeal fcps. JURASZ 21cm, Fig.1	1x1
91154-19	bipolar forceps, 1mm tipstraight, 19,5cm long european flat connector	1x1

**SET/470: Laryngoskopiesatz für Erwachsene /
Laryngoscopy Set for Adults /
Juego de laringoscopia para adultos**

05301-04	operation laryng.,KLEINSASSER 170x28,5x18,5x15mm	1x1
05302-02	fiberglas-light-guide for 05301-03/04/ 05 and 06	1x1
05301-03	operation laryng.,KLEINSASSER 170x26x15,5x13,5mm	1x1
05302-02	fiberglas-light-guide for 05301-03/04/05 and 06	1x1
05301-02	operation laryng.,KLEINSASSER 150x20,5x13x10,5mm	1x1
05302-01	fiberglas-light-guide	1x1
05300-01	Chest support compl.KLEINSASSER for adults	1x1
53295-23	Needle holder with ratchet, straight jaw 1,8x3,5mm, serrated, WL 23cm	1x1
53280-01	micro laryngeal grasp.forceps straight serrated 1,5x10mm	1x1
53280-02	micro laryngeal grasp.forceps curved to left,serr.1,5x8,5mm	1x1
53280-03	micro laryngeal grasp.forceps curved to right,serr.1,5x8,5mm	1x1
53280-04	micro laryngeal cup forceps straight, 2,5mm Ø, 22cm long	1x1
53280-05	micro laryngeal cup forceps angled to left, 2,5mm	1x1
53280-06	micro laryngeal cup forceps angled to right, 2,5mm	1x1
53280-07	micro laryngeal cup forceps angled up 2,5mm	1x1
53280-08	micro laryngeal scissors straight vertical cutting 22cm long	1x1
53280-09	micro laryngeal scissors curved to left	1x1
53280-10	micro laryngeal scissors curved to right	1x1
41291-25	BYRD, suction tube, self cleaning, 2.5m	1x1
41292-01	injection cannula, straight, LUER-LOCK, working length 23cm	1x1
53290-08	handle for micro-laryngeal instruments	1x1
	53290-01 - 53290-07	
53290-01	micro-laryngeal sickle knife curved	1x1
53290-02	micro-laryngeal separador, oval, horizontal	1x1
53290-05	micro-laryngeal hook, 90° angled, blunt	1x1
41312-26	Coagulation suction tube monopolar 2,5mm button 3,5mm Ø, 260mm working length, angled, HF-connector male	1x1
R060-050040-003	Monopolar HF-connecting cable, 3mtr. lg. 5mm PIN for ERBE / Storz HF-units 4mm socket instrument side	1x1

**SET/480: Tracheotomie Satz / Tracheotomy Set /
Juego para traqueotomía**

07103-00	scalpel handle no. 3 12,5cm	1x1
49107-19	tongue depressor, BRUENINGS 19cm	1x1
19220-01	retractor (trach.) pointed 1 prong, 16cm	1x1
19220-02	retractor (trach.) pointed 2 prongs, 16cm	1x1
19280-04	retractor, VOLKMANN pointed, 21,5cm, 4 teeth	2x1
55511-21	thyroid retractor, SCHOENBORN 21cm	1x1
19312-02	retractor, LANGENBECK 21cm, 30x14mm	2x1
19314-20	retractor, KOCHER-LANGENBECK 21cm, 60x20mm	2x1
21270-14	cotton applicators, FARREL threaded, 14cm	2x1
47415-18	FREER septum elevator, 18cm double ended, sharp/blunt	1x1
33718-16	periosteal elevator, JOSEPH 16cm, 4mm	1x1
09283-15	diss.scissors,METZENBAUM-FINO curved, 15cm	1x1
09110-14	operating scissors, STANDARD pointed/blunt, straight 14,5cm	1x1
47120-50	Nasal speculum, KILLIAN 50mm	1x1
47120-75	nasal speculum, KILLIAN 75mm	1x1
41295-08	suction tube, FRAZIER/FERGUSSON 19cm, 30°, Charr. 8	1x1
41295-12	suction tube, FRAZIER/FERGUSSON 19cm, 30°, Charr. 12	1x1
11102-14	forceps dressing, 14,5cm	1x1
11120-14	forceps tissue 1x2 t. 14,5 cm	2x1
11188-12	forceps tissue, ADSON-BROWN 7x7 teeth, 12cm	1x1
17110-20	dressing forceps, GROSS-MAIER straight, 20cm	1x1
51183-19	tonsil forceps, SCHNIDT 19cm curved	1x1
13310-16	hemost.fcps. ,ROCHESTER-PEAN straight,16cm	1x1
13310-14	hemost.fcps. ,ROCHESTER-PEAN straight, 14cm	1x1
13320-14	hemost.fcps.,ROCHESTER-OCHSNER 1x2 teeth, straight, 14cm	2x1
13221-12	hemost.fcps.,HALSTED-MOSQUITO curved, 12,0cm	4x1
15111-09	towel forceps, BACKHAUS 9cm	6x1
25164-15	needle holder, CRILE-WOOD serrated, TC, 15cm	1x1
19670-14	retractor, WEITLANER sharp, 14,0cm	1x1
47235-07	nasal cutting forceps,HARTMANN 7mm	1x1
55111-14	tracheal dilator, TROUSSEAU 14cm	1x1
55122-16	trachea hook, BOSE 16cm, left	1x1
55124-16	trachea hook, BOSE 16cm, right	1x1
55520-15	goitre seizing forceps, LAHEY 15cm	1x1
55501-15	goitre director, KOCHER 15cm, without hole	1x1
55240-08	trach.tube,CHEVALIER-JACKSON germ.silver,Fig.4, D. 8mm, 65m	1x1
55240-09	trach.tube,CHEVALIER-JACKSON germ.silver,Fig.5, D.9mm, 70mm	1x1
21110-14	grooved director, 14,5cm	1x1
55151-09	tube, WAGENER-MOSHER 9mm	1x1
91154-19	bipolar forceps, 1mm tip straight, 19,5cm long european flat connector	1x1

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