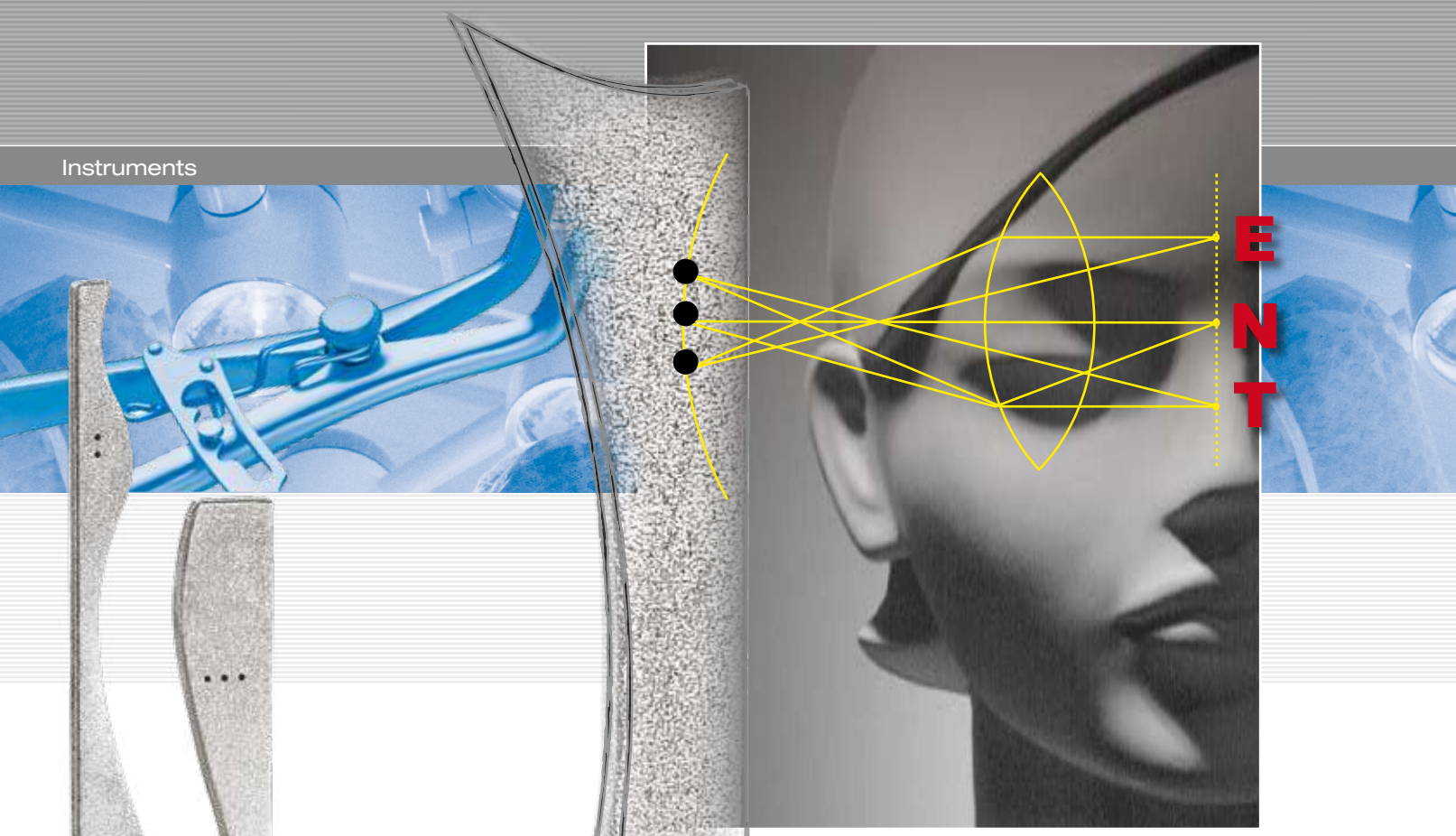


ENT Surgery

HNO · ORL

Hals-Nasen-Ohren-Chirurgie
Ear Nose Throat Surgery
Cirugía de otorrinolaringología
Chirurgie d'oto-rhino-laryngologie
Chirurgia per otorinolaringologia

medicon instrumente
the art of surgery



ENTSurgery HNO · ORL

ERRATA Cat. No. 450.00.36

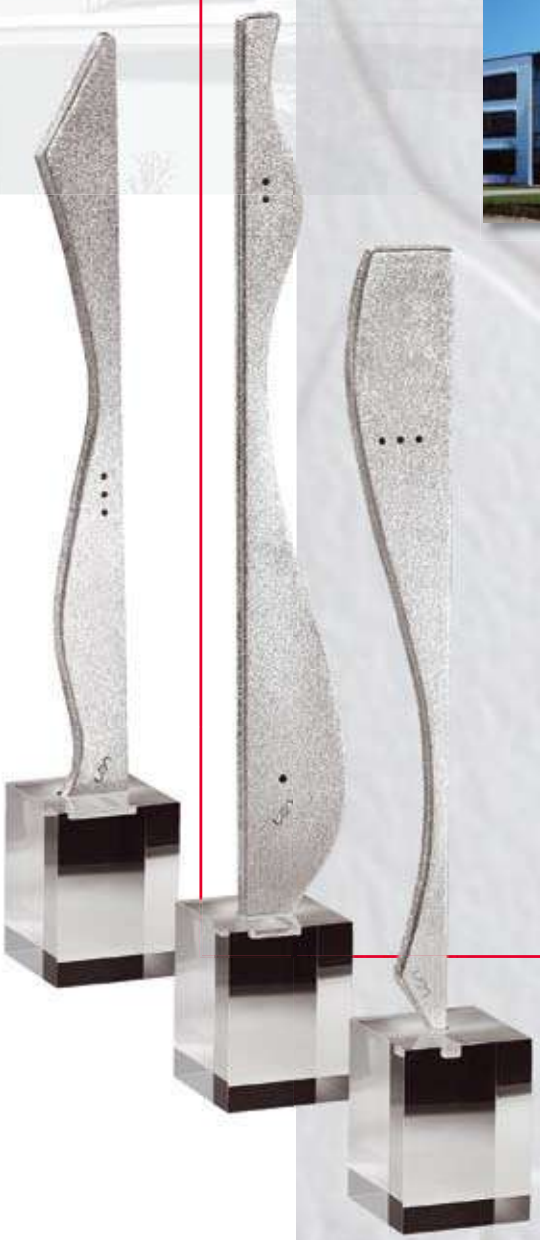
Druckfehlerberichtigung
Misprint correction
Corrección de un error de imprenta
Rectification des fautes d'impression
Correzione errata

Seite Page Página Page Pagina	Fehler Error Errata Faute Errore	Korrektur Correction Corrección Correction Correzione
53	07.31.14	07.31.14. Lucae
69	10.18.14 10.18.17 10.18.64 10.18.67 10.20.64 10.20.67	11.18.14 11.18.17 11.18.64 11.18.67 11.20.64 11.20.67
85	12,5 cm-5″ (09.83.76-09.83.82)	18,5 cm-7⅛″ (09.83.76-09.83.82)
106	22.16.13 22.16.14 22.16.15 22.16.16	22.16.13 # 0 22.16.14 # 1 22.16.15 # 2 22.16.16 # 3
223	240×240×40 mm (49.97.90)	240×250×40 mm (49.97.90)
231	62.03.16 # 4	62.03.16 # 6
238	62.10.42 Ø 3 mm	62.10.43 Ø 3mm
305	62.15.43 62.15.44 62.15.45	66.15.43 66.15.44 66.15.45
309	62.25.40 62.25.45	66.25.40 66.25.45
459	73.17.05	73.17.25
472	73.44.01	 73.44.01
478	26 cm-10¼″ (73.49.35)	27,5 cm-10¾″ (73.49.35)
486	 74.47.21	 74.47.27
508	Ø 1,5 mm	----
548	74.47.07	----
550		 73.18.00 73.18.01

surgery meets art

medicon Instrumente
the art of surgery





Sine Semljé

Gerne haben wir die freundliche Unterstützung und Mitarbeit der Künstlerin Sine Semljé angenommen. Für die Bereitstellung ihrer Arbeiten zur Mitgestaltung unseres Kataloges bedanken wir uns herzlich.

We appreciate the friendly support and collaboration of the artist Sine Semljé who provided us with their works for the design of our catalogue.

Agradecemos el gentil soporte y la colaboración de la pareja artista Sine Semljé y, les queremos dar la gracias por habernos puesto a disposición sus obras para la creación de nuestro catálogo.

Nous sommes très reconnaissants pour le support et la collaboration amicale de la d'artistes Sine Semljé et nous les remercions vivement d'avoir mis à notre disposition leurs œuvres pour le design de notre catalogue.

Con sommo piacere abbiamo accettato il gentile sostegno e la collaborazione della di artisti Sine Semljé. Desideriamo ringraziarli di cuore per la loro disponibilità e per il loro rapporto nella redazione del nostro catalogo.

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THE ART OF S









Sine Semljés künstlerisches Leben zeichnet sich durch einen fortwährenden Prozess der Reduktion aus. Ihr Kunststudium beginnt sie 1970 in Wuppertal.
Sine Semljé nennt die hier gezeigten ca. 20 cm hohen Metallstelen „Schutzengel“ und lässt sie in fein gearbeiteten Acrylwürfeln ruhen. Die schwebende Leichtigkeit der Objekte aus Aluminium verfolgt ebenso das Ziel, Gelassenheit und Ausgeglichenheit festzuhalten. Abstrakte Form und körperhafter Schwung stehen in Balance zueinander.
Ihre Werke finden in aller Welt große Anerkennung. Davon zeugt nicht nur eine große Zahl von Ausstellungen, sondern auch Ankäufe für das MOMA New York und für Sammlungen in Japan und in Singapur. Es sind immer Unikate, die sie schafft.
Heute lebt und arbeitet Sine Semljé in Engen/Süddeutschland.



Sine Semljé‘s artistic life is characterised by a continuous process of simplification. She began her art studies in 1970 in Wuppertal
Sine Semljé calls the approximately 20 cm high metal steles that are shown here “guardian angels”, and lets them rest in finely worked acrylic cubes. The floating lightness of the aluminium objects also captures composure and balance. Abstract form and physical momentum are in balance with each other.
Her work is highly acclaimed throughout the world. This is attested to not only by the large number of exhibitions, but also by purchases on behalf of MOMA New York and collections in Japan and Singapore. She always creates unique pieces of art.
Sine Semljé is now living and working in Engen in the south of Germany.



La trayectoria artística de **Sine Semljé** se caracteriza por un proceso de reducción constante. Ésta comenzó sus estudios de arte en 1970, en Wuppertal.
Así denomina Schutzengel (ángel de la guarda) a estas estelas metálicas de 20 cm. de alto que reposan sobre cubos de fibra acrílica de exquisita elaboración. La ligereza de los objetos de aluminio, que provoca la sensación de que están suspendidos en el aire, también tiene por objetivo transmitir serenidad y equilibrio. Las formas abstractas y el dinamismo propio del cuerpo se encuentran en perfecto equilibrio.
Sus obras gozan de gran reconocimiento internacional. Muestra de ello son, además de sus numerosas exposiciones, las adquisiciones realizadas para el MOMA de Nueva York y para colecciones de Japón y Singapur. Todas sus creaciones son ejemplares únicos.
En la actualidad Sine Semljé vive y trabaja en Engen, al sur de Alemania.



SINE SEMLJÉ
Zeppelin Straße 8 · D-78234 Engen

I N E S E M L J É









La création artistique de **Sine Semljé** est marquée par une recherche continue de la réduction. Elle a commencé ses études d'art à Wuppertal en 1970.
Sine Semljé a intitulé « Anges gardiens » les stèles en métal d'une vingtaine de centimètres de haut exposées. Ces stèles reposent dans des cubes en acryliques finement travaillés. La légèreté éthérée des objets en aluminium poursuit le même but : retenir la sérénité et la pondération. L'abstraction formelle dialogue à niveau égal avec le dynamisme physique .
Les œuvres de Sine Semljé sont vivement appréciées dans le monde entier. Le grand nombre d'expositions, tout comme les acquisitions faites pour le MoMA de New York et des collections au Japon et à Singapour en sont la preuve. Chacune de ses œuvres est une pièce unique.
Aujourd'hui Sine Semljé vit et travaille à Engen dans le sud de l'Allemagne.

WWW.SINE-ONLINE.DE





La vita artistica di **Sine Semljé** è contraddistinta da un processo ininterrotto di riduzione. Inizia gli studi d'arte nel 1970 a Wuppertal.
Sine Semljé intitola "Angelo Custode" la stele di metallo alta circa 20 cm qui raffigurata, poggiante su cubi in acrilico finemente lavorati. Anche la fluttuante leggerezza degli oggetti in alluminio persegue l'obiettivo di trattenere calma e armonia. La forma astratta e lo slancio concreto sono tra loro in equilibrio.
I suoi lavori sono conosciuti e apprezzati in tutto il mondo. Ne sono la prova non soltanto il gran numero di esposizioni, ma anche gli acquisti per il MOMA di New York e per collezioni in Giappone e a Singapore. Sono sempre opere uniche e inimitabili.
Oggi Sine Semljé vive e lavora a Engen, nella Germania meridionale.



Sine Semljé

Unsere Instrumenten-Abbildungen 1 ohne Angabe eines Maßstabes (zum Beispiel 1:1) haben eine Größe von 50 %. Die dazugehörigen Detailbilder 2 sind in Originalgröße (100 %) abgebildet.

All instrument illustrations 1 without scale indication (for example 1:1) show the instruments in half size (50 %). The corresponding detail drawings 2 are in original size (100 %).

Todas las ilustraciones de nuestros instrumentos 1 sin indicaciones de escala (por ejemplo 1:1) muestran el medio tamaño del original (50 %). La correspondiente imagen detallada 2, en cambio, muestra el tamaño original (100 %).

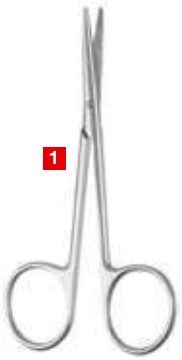
Tous les illustrations 1 sans indication d'échelle (par example 1:1) montrent l'original à moitié (50 %). Les images détaillées 2 montrent l'instrument en largeur originale (100 %).

Tutte le illustrazioni degli strumenti 1 senza indicazione di scala (per esempio 1:1) dimostrano la metà della grandezza originale (50 %). L'immagine dettagliata 2 rispetta invece le dimensioni originali (100 %).

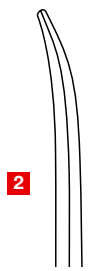
Beispiel
Example
Ejemplo
example
esempio

Vorderansicht (Schere gerade)
Front view (straight scissors)
Vista frontal (tijera recta)
Vue de face (ciseaux droits)
Vista frontale (forbice retta)

Seitenansicht (Schere gebogen)
Lateral view (curved scissors)
Vista lateral (tijera curva)
Vue laterale (ciseaux courbes)
Vista laterale (forbice curvata)





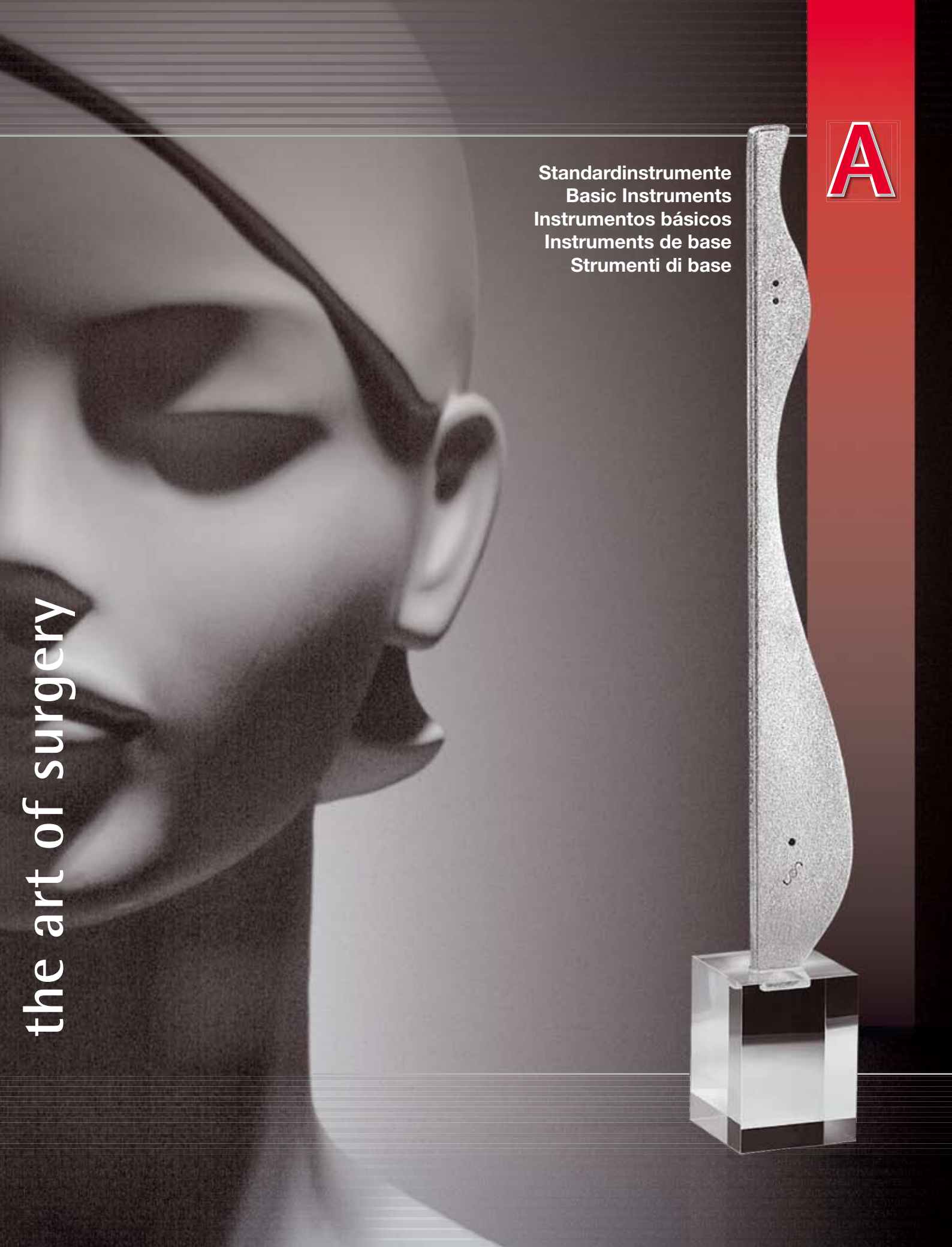


Mini-Metzenbaum

	9 cm - 3½″	9 cm - 3½″
supercut	**204.32.09**	**204.33.09**
black line	**214.32.09**	**214.33.09**

Instrumentengröße
Instrument size
Tamaño del instrumento
Taille des instruments
Misura degli strumenti

Artikelnummer
Item number
Número de artículo
Numéro d´article
Codice dell'articolo



A

Standardinstrumente
Basic Instruments
Instrumentos básicos
Instruments de base
Strumenti di base

Skalpellklingen, Skalpellgriffe
Scalpel Blades, Scalpel Handles
Hojas de bisturí, Mangos de bisturí
Lames de bistouris, Manches pour bistouris
Lame per bisturi, Manici per bisturi



1:1



01.22.10 ■ Fig. 10

1:1



01.22.11 ■ Fig. 11

1:1



01.22.12 ■ Fig. 12

1:1



01.22.32 ■ Fig. 12d

1:1



01.22.15 ■ Fig. 15

1:1



01.22.35 ■ Fig. 15c

Verpackungseinheit 100 Stück, steril
Packing unit 100 pieces, sterile
Paquete de 100 unidades, estériles
Emballage de 100 pièces, stériles
Confezione da 100 pezzi, sterili



12,5 cm - 5″
01.27.03
no. 3



16,5 cm - 6½″
01.27.07
no. 7



12 cm - 4¾″
01.27.17
no. 7K

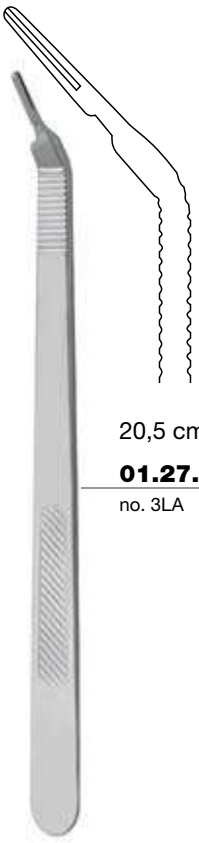


15,5 cm - 6⅛″
01.30.38

Blake



21 cm - 8¼″
01.27.13
no. 3L



20,5 cm - 8″
01.27.23
no. 3LA



15,5 cm - 6⅛″
01.27.40



22,5 cm - 9″
01.27.45

Skalpellgriffe für
Scalpel handles for
Mangos de bisturi para
Manches bistouris pour
Manici da bisturi per

■ Fig. 10, 11, 12, 12d, 15, 15c

1:1



01.22.18 ■ Fig. 18

1:1



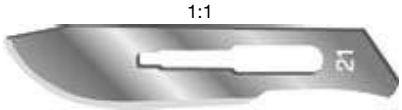
01.22.19 ■ Fig. 19

1:1



01.22.20 ■ Fig. 20

1:1



01.22.21 ■ Fig. 21

1:1



01.22.22 ■ Fig. 22

1:1



01.22.23 ■ Fig. 23

Verpackungseinheit 100 Stück, steril
Packing unit 100 pieces, sterile
Paquete de 100 unidades, estériles
Emballage de 100 pièces, stériles
Confezione da 100 pezzi, sterili

1:1



01.22.24 ■ Fig. 24

1:1



01.22.25 ■ Fig. 25

1:1



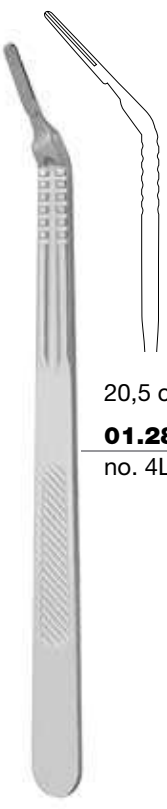
01.22.36 ■ Fig. 36



13,5 cm - 5⅜″
01.28.04
no. 4



21 cm - 8¼″
01.28.14
no. 4L



20,5 cm - 8″
01.28.24
no. 4LA



22,5 cm - 9″
01.28.45

Skalpellgriffe für
Scalpel handles for
Mangos de bisturi para
Manches bistouris pour
Manici da bisturi per
■ Fig. 18, 19, 20, 21, 22, 23, 24, 25, 36

1:1



01.30.62 ■ Fig. 62

1:1



01.30.64 ■ Fig. 64

1:1



01.30.65 ■ Fig. 65

1:1



01.30.67 ■ Fig. 67

Verpackungseinheit 12 Stück, steril
Packing unit 12 pieces, sterile
Paquete de 12 unidades, estériles
Emballage de 12 pièces, stériles
Confezione da 12 pezzi, sterili



21 cm - 8¼″

01.27.21

Landolt



25 cm - 10″

01.27.25

Landolt



15,5 cm - 6⅛″

01.30.36

13 cm - 5⅛″

01.30.32



Jede Schere von Medicon trägt ihre individuelle Handschrift. Von “**standard**” bis “**magic cut**” – alle Scheren werden von fachkundigen Chirurgiemechanikern hergestellt, für dauerhafte Leistung sorgfältig gehärtet und qualitätsgerecht geprüft.

Each of the various Medicon scissors has it’s individual design. Starting with “**standard**” up to “**magic cut**” – all scissors are manufactured by experienced professionals. They are thoroughly hardened to ensure a long-lasting performance and are quality-checked.

Cada tijera de Medicon lleva su propia escritura. Desde tijeras “**standard**” hasta “**magic cut**” – todas las tijeras son fabricadas por expertos competentes. Las tijeras son templadas e investigados respecto a la calidad para un durable rendimiento.

Tous les ciseaux de Medicon portent leurs caractéristiques individuelles. De “**standard**” à “**magic cut**” – tous les ciseaux sont fabriqués par des mécaniciens de chirurgie compétents, sont trempés soigneusement afin d’obtenir une performance durable et passent un contrôle de qualité d’un niveau très élevé.

Ogni forbice marcata Medicon ha il suo carattere particolare. Dalla “**standard**” alla “**magic cut**” – tutte le forbici vengono prodotte da meccanici chirurgici specializzati. Per una lunga durata vengono temprate accuratamente e devono passare il controllo di qualità.

Die besonderen Eigenschaften unserer Sondermodelle sind auf den Folgeseiten dargestellt.

The specific characteristics of our special models are explained on the following pages.

Las caracteristicas de los modelos especiales son mencionadas en las paginas siguientes.

Les caractéristiques particulières de nos modèles spéciaux sont décrites dans les pages suivantes.

Sulle prossime pagine vengono illustrate le particolarità dei nostri modelli esclusivi.

magic cut

golden screw®

1 2 3 4

schwarzes Finish, goldene Schraube
black finish, golden screw
superficie negra, tornillo dorado
finition noire, vis dorée
finitura nera, vite dorata



supercut plus

golden screw®

1 2 3

goldene Schraube, goldene Ringgriffe
golden screw, golden rings
tornillo dorado, anillos dorados
vis dorée, anneaux dorés
vite dorata, anelli dorati



"HM"

2

goldene Ringgriffe
golden rings
anillos dorados
anneaux dorés
anelli dorati



black line

golden screw®

1 3

goldene Schraube, schwarze Ringgriffe
golden screw, black rings
tornillo dorado, anillos negros
vis dorée, anneaux noirs
vite dorata, anelli neri



supercut

golden screw®

1

goldene Schraube
golden screw
tornillo dorado
vis dorée
vite dorata



1

Messerschliff und Mikrozahnung
Knife edges and micro serration
Hoja de bisturí y dentadura micro
Aiguisement tranchant et dents micro
Affilatura a scalpello e dentellatura micro

Feiner, minimal traumatisierender Schnitt
Fine, minimally traumatizing cut
Corte fino, mínimo traumatizante
Coupe fine, peu traumatisante
Taglio fine, minimo traumatizzante

2

Eingeschweißte Hartmetallschneiden
Welded tungsten carbide cutting edges
Hojas soldadas de carburo de tungsteno
Lames soudées d'un alliage de carbure de tungstène
Lame saldate al carburo di tungsteno

Nahtlose, homogene Verbindung von Hartmetall und Scherenstahl
Seamless, homogenous junction of tungsten carbide and scissors steel
Unión homogénea del carburo de tungsten con el acero
Jointure sans trace et homogène du carbure de tungstène avec l'acier des ciseaux
Congiunzione omogenea senza cordolo del carburo di tungsteno con l'acciaio delle forbici

Keine zur Korrosion neigende Lötnaht
Corrosion-free welding seam
Soldadura resistente a la corrosión
Soudure résistante à la corrosión
Saldatura resistente alla corrosione

3

Zusätzlicher Anschliff einer Blattrückseite
Reduction of the transversal cut
Reducción del corte transversal
Coupe transversale réduite
Riduzione del taglio trasversale

Bessere Sicht
Better visibility
Vista mejorada
Vue améliorée
Vista migliorata

Präzise Präparation
Precise dissection
Disección precisa
Dissection précise
Dissezione precisa

4

Keramikbeschichtung
Ceramic coating
Recubrimiento de cerámica
Couche céramique
Rivestimento di ceramica

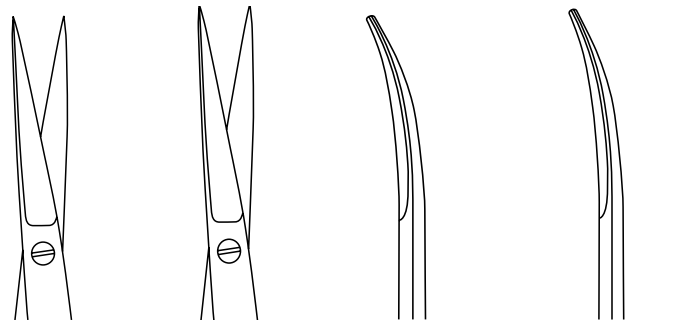
Lange Standzeit
Long lasting cutting ability
Máxima duración del corte
Longue durée de vie
Massima durata del taglio

Blendfreie Oberfläche
Non-dazzling surface
Superficie antideslumbrante
Surface non-éblouissante
Superficie antiriflesso

Hohe Oberflächenhärte
High surface hardness
Alta dureza de la superficie
Grande dureté de la surface
Alta durezza della superficie

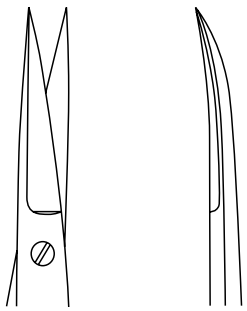
Hervorragende Gleitfähigkeit
Excellent sliding capacity
Deslizamiento destacado
Glissement excellent
Eccellente scorrimento





	9,0 cm - 3½″	10,5 cm - 4⅛″	9,0 cm – 3½″	10,5 cm – 4⅛″
standard	**02.04.09**	**02.04.10**	**02.05.09**	**02.05.10**

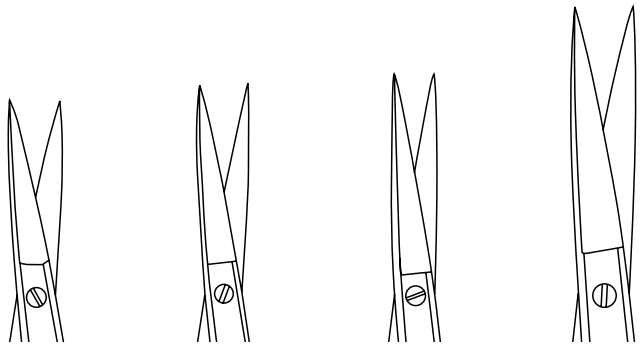




	11 cm - 4⅜″	11 cm - 4⅜″
standard	**02.06.10**	**02.07.10**
supercut	**202.06.10**	**202.07.10**
black line	**212.06.10**	**212.07.10**



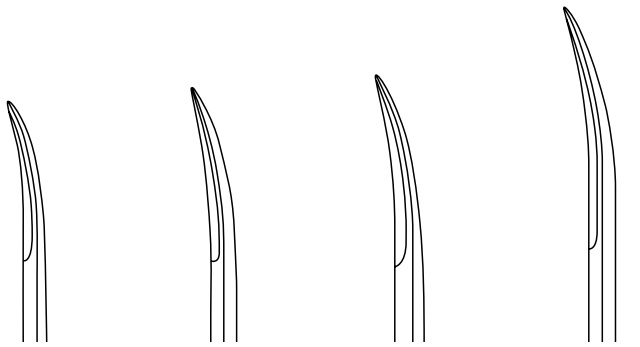
Iris



	9 cm - 3½″	10,5 cm - 4⅛″	11,5 cm - 4½″	12,5 cm - 5″
standard	**02.20.09**	**02.20.10**	**02.20.11**	**02.20.12**
supercut		**202.20.10**	**202.20.11**	
black line		**212.20.10**	**212.20.11**	
"HM"			**02.20.61**	
supercut$_{plus}$			**202.20.61**	
magic cut			**222.20.61**	



Iris



	9 cm - 3½″	10,5 cm - 4⅛″	11,5 cm - 4½″	12,5 cm - 5″
standard	**02.21.09**	**02.21.10**	**02.21.11**	**02.21.12**
supercut		**202.21.10**	**202.21.11**	**202.21.12**
black line		**212.21.10**	**212.21.11**	
"HM"			**02.21.61**	
supercut$_{plus}$			**202.21.61**	
magic cut			**222.21.61**	







	9 cm - 3½″	9 cm - 3½″
standard	**02.20.30**	**02.21.30**
supercut		**202.21.30**

Micro-Iris







	10,5 cm - 4⅛″	10,5 cm - 4⅛″
standard	**02.20.40**	**02.21.40**

Iris Select







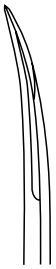


	11,5 cm - 4½″	11,5 cm - 4½″
black line	**212.26.11**	**212.27.11**

Iris







Stevens

	11,5 cm - 4½″	11,5 cm - 4½″
standard	**02.50.02**	**02.50.03**





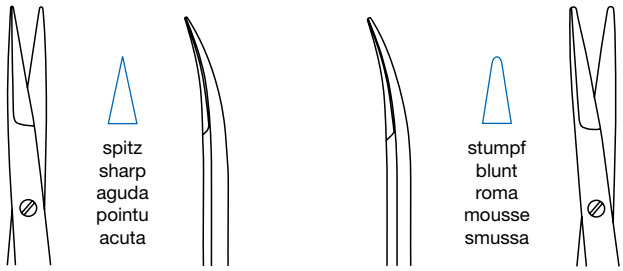


Stevens

	11,5 cm - 4½″	11,5 cm - 4½″
standard	**02.50.12**	**02.50.13**
supercut	**202.50.12**	**202.50.13**
black line	**212.50.12**	**212.50.13**
magic cut	**222.50.62**	**222.50.63**



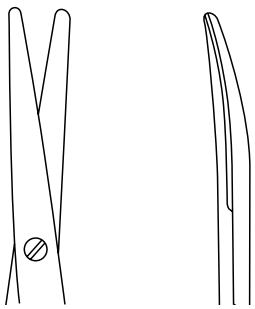
Knapp



	12 cm - 4¾″	12 cm - 4¾″	12 cm - 4¾″	12 cm - 4¾″
standard	**02.20.42**	**02.21.42**	**02.21.43**	**02.20.43**
supercut	**202.20.42**	**202.21.42**		



Lexer-Baby



	10 cm - 4″	10 cm - 4″
standard	**02.40.10**	**02.41.10**
"HM"	**02.40.60**	**02.41.60**



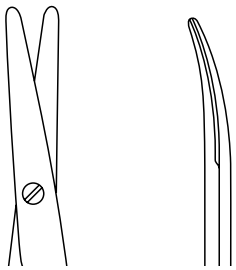
Shea



12 cm - 4¾″

standard	**04.13.12**

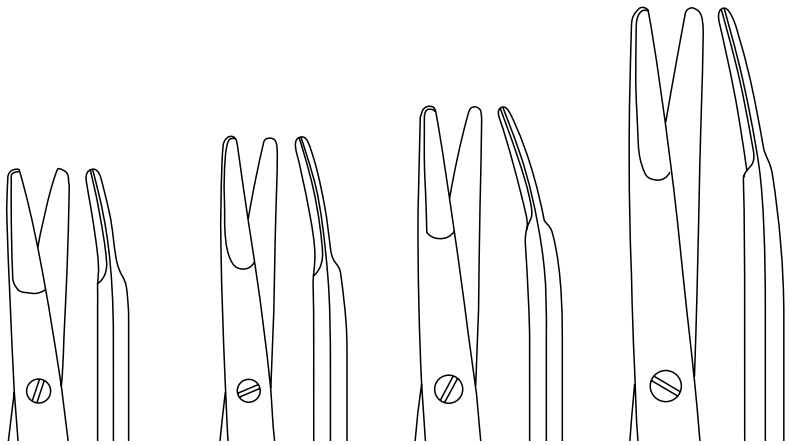




	12 cm - 4¾″	12 cm - 4¾″
standard	**02.40.12**	**02.41.12**
supercut	**202.40.12**	**202.41.12**
black line	**212.40.12**	**212.41.12**
"HM"	**02.40.62**	**02.41.62**
supercutplus	**202.40.62**	**202.41.62**
magic cut	**222.40.62**	**222.41.62**



Ragnell (Kilner)

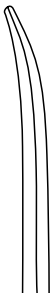


	13 cm - 5⅛″	15 cm - 6″	18 cm - 7⅛″	20 cm - 8″
standard	**04.13.13**	**04.13.15**	**04.13.18**	**04.13.20**
supercut	**204.13.13**	**204.13.15**	**204.13.18**	
black line	**214.13.13**	**214.13.15**	**214.13.18**	
"HM"	**04.13.63**	**04.13.65**	**04.13.68**	
supercutplus	**204.13.63**	**204.13.65**	**204.13.68**	



Baby-Metzenbaum





	11,5 cm - 4½″	11,5 cm - 4½″
standard	**04.32.11**	**04.33.11**
supercut	**204.32.11**	**204.33.11**
black line	**214.32.11**	**214.33.11**
"HM"	**04.32.61**	**04.33.61**
supercut plus	**204.32.61**	**204.33.61**
magic cut	**224.32.61**	**224.33.61**



“slim”





	14 cm - 5½″	14 cm - 5½″
standard	**04.24.14**	**04.25.14**
supercut	**204.24.14**	**204.25.14**
"HM"	**04.24.64**	**04.25.64**
supercut plus	**204.24.64**	**204.25.64**



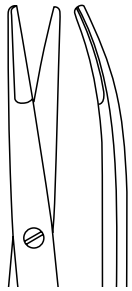




	14 cm - 5½″	14 cm – 5½″
standard	**04.50.14**	**04.51.14**

Sanvenero





11,5 cm - 4½″

supercut	**204.13.12**
black line	**214.13.12**
supercutplus	**204.13.62**
magic cut	**224.13.62**

Greenberg PAR



BIG RING
X-Large Ring Handle







	11,5 cm - 4½″	11,5 cm - 4½″
black line	**214.36.11**	**214.37.11**

Baby-Metzenbaum







	15 cm - 6″	15 cm - 6″
standard	**04.50.15**	**04.51.15**
supercut	**204.50.15**	**204.51.15**
black line	**214.50.15**	**214.51.15**

Joseph



BIG RING
X-Large Ring Handle

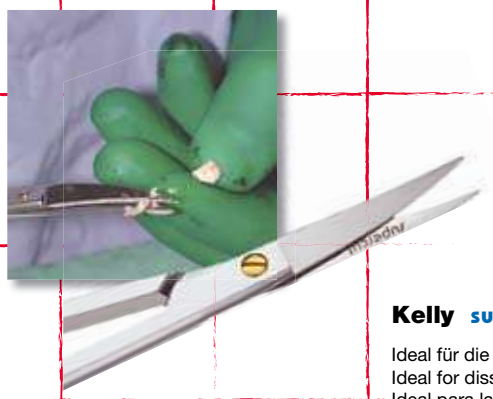






	12,5 cm - 5″	12,5 cm - 5″
black line	**214.68.13**	**214.69.13**

Stevens

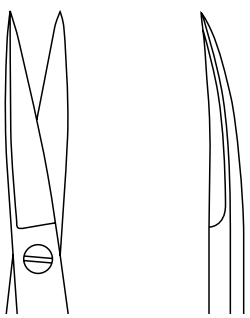


Kelly supercutplus

Ideal für die Präparation der Flügelknorpel und der gesamten Schleimhaut.
Ideal for dissecting alar cartilage and the complete mucosa.
Ideal para la disección del cartílago de las alas y para la mucosa completa.
Idéal pour la dissection du cartilage des ailes et de la muqueuse complète.
Ideale per la dissezione della cartilagine delle alette e della mucosa completa.



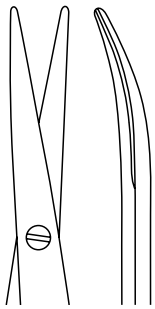
Kelly



	16 cm - 6¼"	16 cm - 6¼"
standard	**04.54.16**	**04.55.16**
supercut	**204.54.16**	**204.55.16**
black line	**214.54.16**	**214.55.16**
"HM"	**04.54.66**	**04.55.66**
supercutplus	**204.54.66**	**204.55.66**
magic cut	**224.54.66**	**224.55.66**



halbstumpf
semi blunt
semi roma
semi mousse
semi smussa



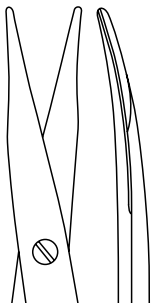
15 cm - 6″

standard	**04.67.15**
supercut	**204.67.15**
black line	**214.67.15**
supercut plus	**204.67.65**

Nervpräparierscheren
Nerve dissecting scissors
Tijeras para disección de nervios
Ciseaux à dissection pour nerfs
Forbici per dissezione dei nervi



Stevens



13 cm - 5⅛″

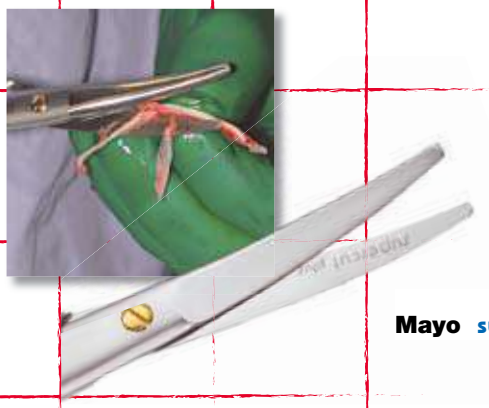
standard	**04.67.13**
supercut	**204.67.13**
black line	**214.67.13**
magic cut	**224.67.63**



Unser komplettes Scheren-Programm finden Sie in unserem Sonderprospekt.
For our complete scissors line, see our special brochure.
El programa completo de tijeras se encuentra en nuestro folleto especial.
Vous trouverez notre programme complet des ciseaux dans notre prospectus spécial.
Troverete il nostro programma completo di forbici nel nostro prospetto speciale.



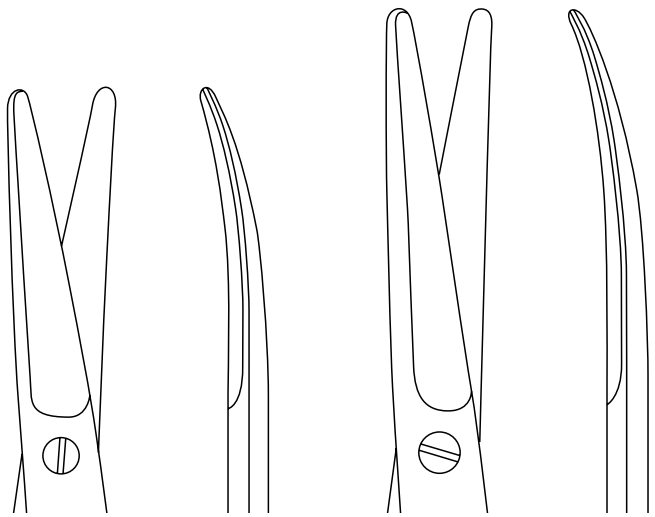
medicon instrumente
the art of surgery



Mayo supercut plus



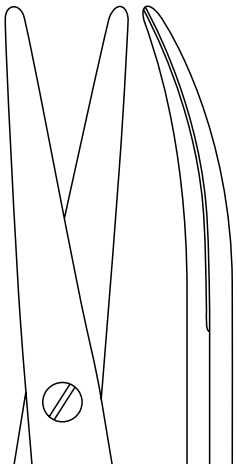
Mayo



	14 cm - 5½″	14 cm - 5½″	17 cm - 6¾″	17 cm - 6¾″
standard	**03.50.14**	**03.51.14**	**03.50.17**	**03.51.17**
supercut	**203.50.14**	**203.51.14**	**203.50.17**	**203.51.17**
black line	**213.50.14**	**213.51.14**	**213.50.17**	**213.51.17**
"HM"	**03.50.64**	**03.51.64**	**03.50.67**	**03.51.67**
supercut plus	**203.50.64**	**203.51.64**	**203.50.67**	**203.51.67**
magic cut	**223.50.64**	**223.51.64**	**223.50.67**	**223.51.67**



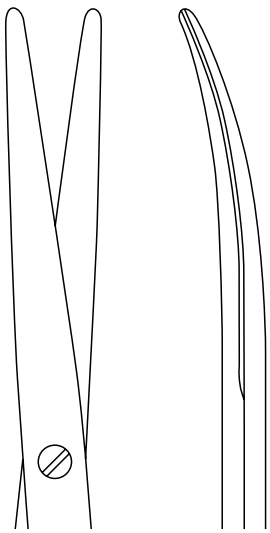
Mayo-Lexer



	16,5 cm - 6½″
supercut	**203.57.47**
black line	**213.57.47**
"HM"	**03.57.97**
supercut plus	**203.57.97**
magic cut	**223.57.97**



Lexer



	16 cm - 6¼″	16 cm - 6¼″
standard	**03.56.86**	**03.57.86**
supercut	**203.56.86**	**203.57.86**
black line	**213.56.86**	**213.57.86**
"HM"	**03.56.96**	**03.57.96**
supercut plus	**203.56.96**	**203.57.96**
magic cut	**223.56.96**	**223.57.96**



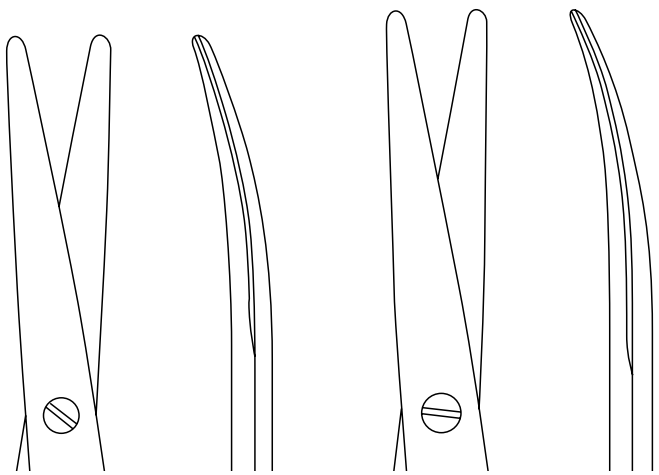
03.57.67

Mayo-Stille "HM"

Für präzises, druckloses Gipsschneiden direkt auf der Nase ohne Verschiebung des mobilisierten Nasengerüstes.
For precise, pressure-free plaster cutting directly on the nose without displacement of the mobilized nose framework.
Para el corte preciso y sin presión del yeso directamente sobre la nariz y sin desplazamiento del armazón de la nariz movilizado.
Pour une coupe précise et sans pression du plâtre directement sur le nez, sans décalage de la charpente nasale mobilisée.
Per tagliare con precisione il gesso direttamente sul nasosenza eser-citare pressione e senza spostare la struttura nasale mobile.



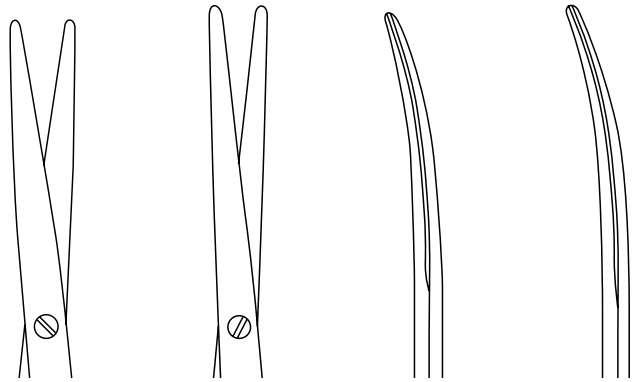
Mayo-Stille



	15 cm - 6″	15 cm - 6″	17 cm - 6¾″	17 cm - 6¾″
standard	**03.56.15**	**03.57.15**	**03.56.17**	**03.57.17**
supercut	**203.56.15**	**203.57.15**	**203.56.17**	**203.57.17**
black line	**213.56.15**	**213.57.15**	**213.56.17**	**213.57.17**
"HM"	**03.56.65**	**03.57.65**	**03.56.67**	**03.57.67**
supercut plus	**203.56.65**	**203.57.65**	**203.56.67**	**203.57.67**
magic cut	**223.56.65**	**223.57.65**	**223.56.67**	**223.57.67**



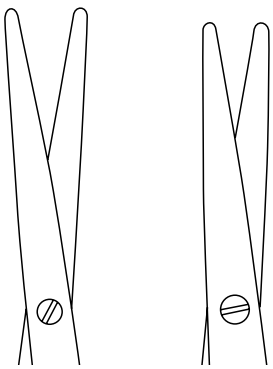
Metzenbaum-slim



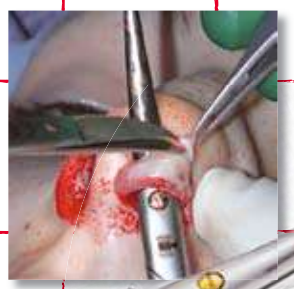
	14 cm - 5½″	18 cm - 7⅛″	14 cm - 5½″	18 cm - 7⅛″
standard	**04.34.14**	**04.34.18**	**04.35.14**	**04.35.18**
supercut	**204.34.14**	**204.34.18**	**204.35.14**	**204.35.18**
black line	**214.34.14**	**214.34.18**	**214.35.14**	**214.35.18**
"HM"	**04.34.64**	**04.34.68**	**04.35.64**	**04.35.68**
supercut plus	**204.34.64**	**204.34.68**	**204.35.64**	**204.35.68**
magic cut			**224.35.64**	**224.35.68**



Metzenbaum



	14 cm - 5½″	18 cm - 7⅛″
standard	**04.32.14**	**04.32.18**
supercut	**204.32.14**	**204.32.18**
black line	**214.32.14**	**214.32.18**
"HM"	**04.32.64**	**04.32.68**
supercut plus	**204.32.64**	**204.32.68**
magic cut	**224.32.64**	**224.32.68**

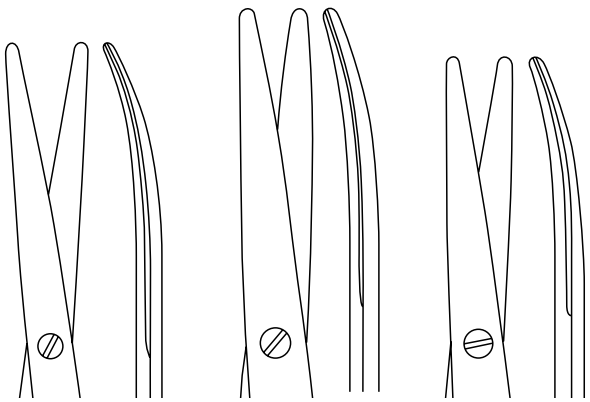


204.33.68
Metzenbaum supercut plus

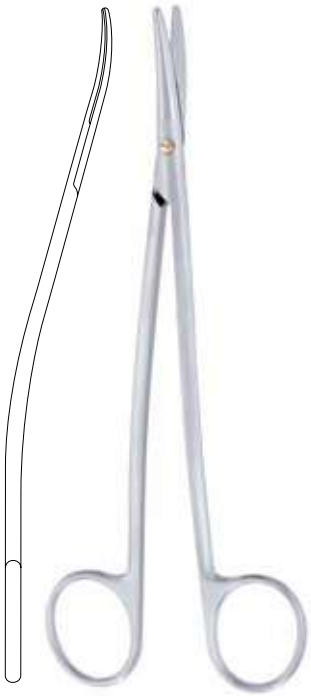
Besonders geeignet zum Luxieren der Nasenflügelknorpel.
Particularly useful for dislocation of the lower nasal cartilages.
Especialmente adecuado para la luxación de los cartílagos de las alas de la nariz.
Convient en particulier pour luxer les cartilages des ailes du nez.
Particolarmente adatto per la lussazione delle cartilagini alari del naso.

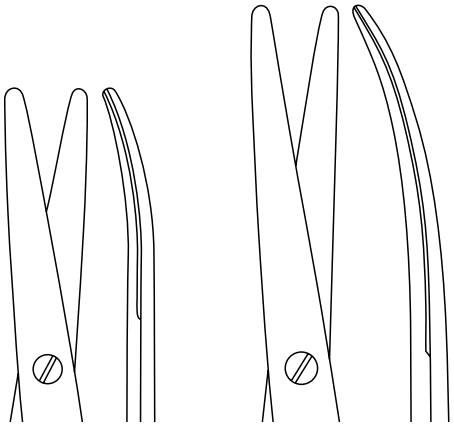


Metzenbaum



	14 cm - 5½″	15 cm - 6″	18 cm - 7⅛″
standard	**04.33.14**	**04.33.15**	**04.33.18**
supercut	**204.33.14**	**204.33.15**	**204.33.18**
black line	**214.33.14**	**214.33.15**	**214.33.18**
"HM"	**04.33.64**		**04.33.68**
supercut plus	**204.33.64**		**204.33.68**
magic cut	**224.33.64**		**224.33.68**

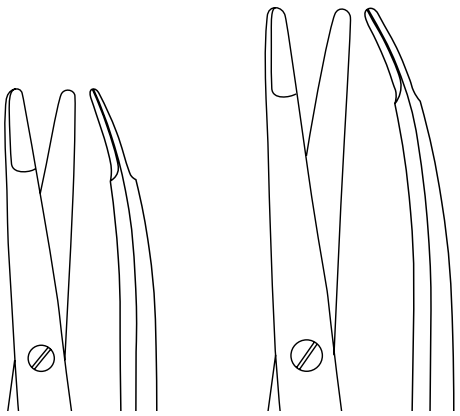




Metzenbaum

	18 cm - 7⅛″	20 cm - 8″
supercut	**204.36.18**	**204.36.20**
black line	**214.36.18**	**214.36.20**
"HM"	**04.36.68**	**04.36.70**
supercut plus	**204.36.68**	**204.36.70**

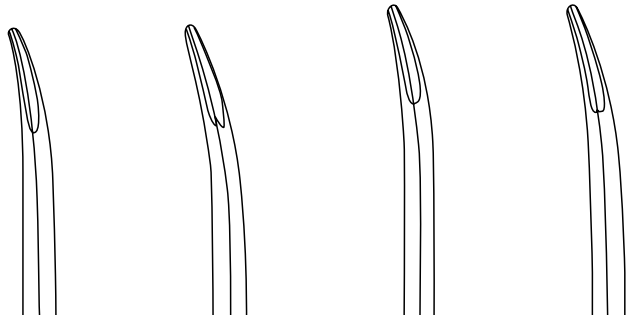




Metzenbaum-Freeman

	18 cm - 7⅛″	20 cm - 8″
supercut	**204.37.18**	**204.37.20**
black line	**214.37.18**	**214.37.20**

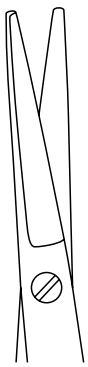




	12 cm - 4¾″	14 cm - 5½″	16 cm - 6¼″	18 cm - 7⅛″
standard	**04.67.12**	**04.67.14**	**04.67.16**	**04.67.18**
supercut	**204.67.12**		**204.67.16**	**204.67.18**
black line	**214.67.12**		**214.67.16**	**214.67.18**
magic cut			**224.67.66**	**224.67.68**

Reynolds (Jameson)

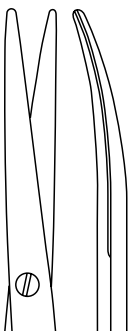




	18 cm - 7⅛″
standard	**04.60.18**

House-Toennis





	18 cm - 7⅛″
standard	**04.63.18**
supercut	**204.63.18**
black line	**214.63.18**
"HM"	**04.63.68**
supercut plus	**204.63.68**
magic cut	**224.63.68**

Toennis-Adson





Toennis

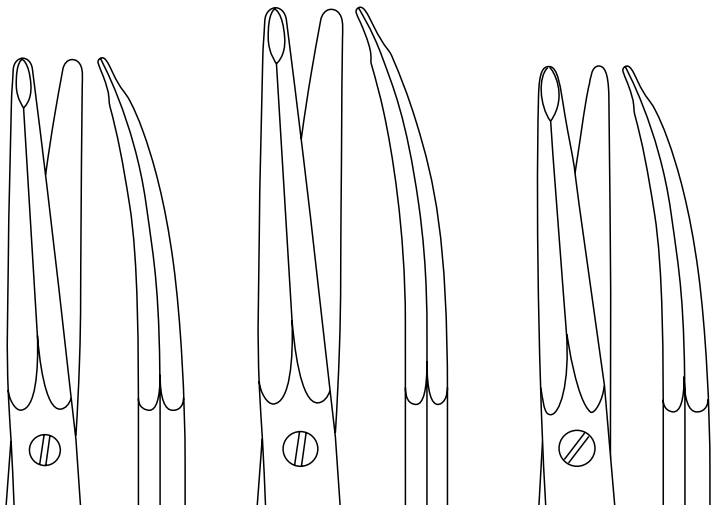
	18 cm - 7⅛″
standard	**04.61.18**





Gorney

Facelift

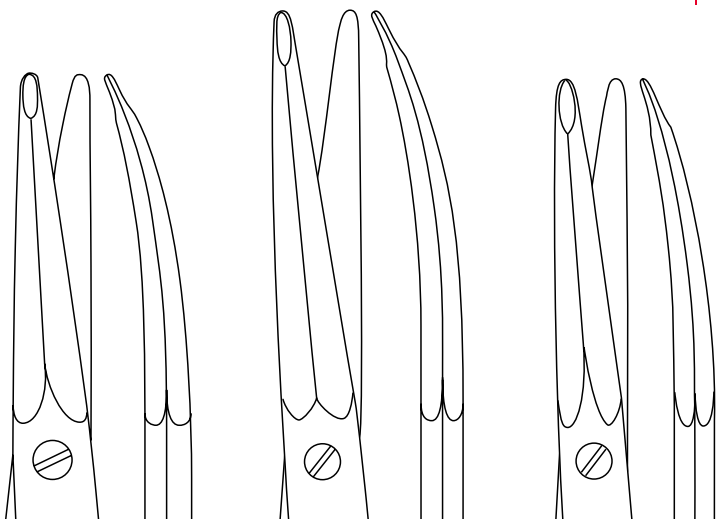


	17 cm - 6¾″	19 cm - 7½″	23 cm - 9″
supercut	**204.73.17**	**204.73.19**	**204.73.23**
black line	**214.73.17**	**214.73.19**	**214.73.23**
"HM"	**04.73.67**	**04.73.69**	**04.73.73**
magic cut	**224.73.67**	**224.73.69**	**224.73.73**





Facelift



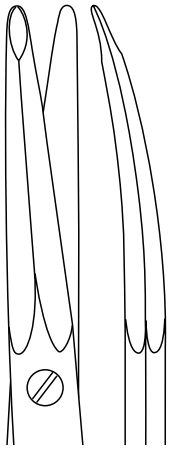
	17 cm - 6¾″	19 cm - 7½″	23 cm - 9″
supercut	**204.75.17**	**204.75.19**	**204.75.23**
black line	**214.75.17**	**214.75.19**	**214.75.23**
"HM"	**04.75.67**	**04.75.69**	**04.75.73**
magic cut	**224.75.67**	**224.75.69**	**224.75.73**

Gorney-Freeman

flache Spitzen
flat tips
puntas planas
pointes plates
punte piatte







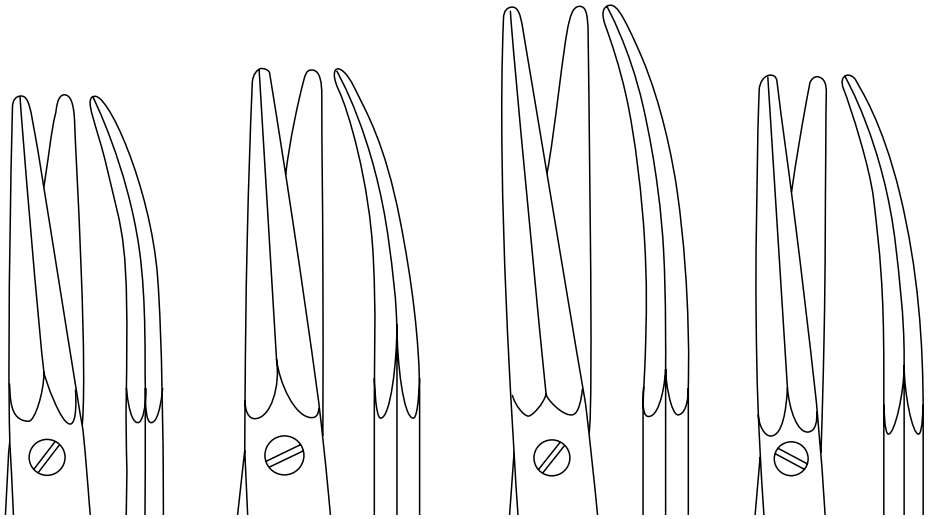
	23 cm - 9″
supercut	**204.75.22**
black line	**214.75.22**
"HM"	**04.75.72**
magic cut	**224.75.72**

Gorney-Freeman



Kaye

Facelift



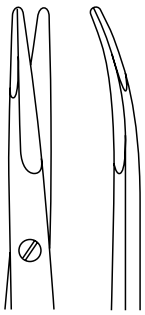
	15 cm - 6″	17 cm - 6¾″	19 cm - 7½″	23 cm - 9″
supercut	**204.77.15**	**204.77.17**	**204.77.19**	**204.77.23**
black line	**214.77.15**	**214.77.17**	**214.77.19**	**214.77.23**
"HM"		**04.77.67**	**04.77.69**	**04.77.73**
magic cut		**224.77.67**	**224.77.69**	**224.77.73**

Blepharoplastikscheren
Blepharoplasty scissors
Tijeras para blefaroplastia
Ciseaux pour blépharoplastie
Forbici per blefaroplastica



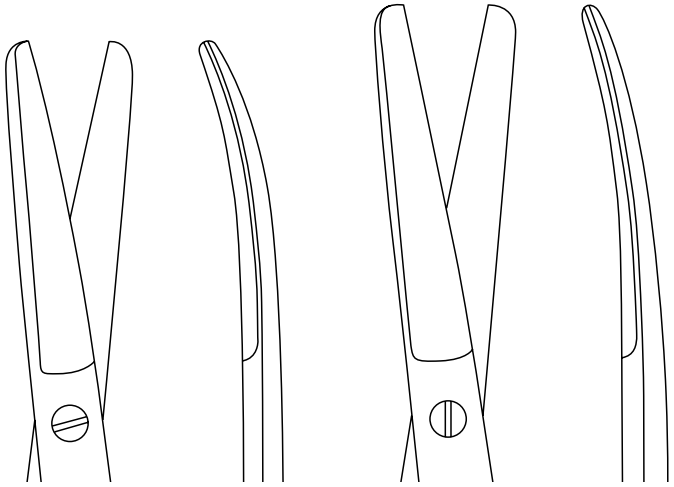


Kaye



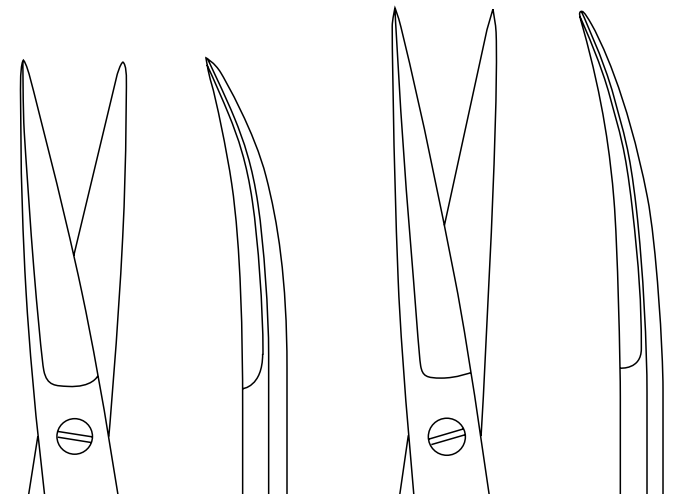
	11,5 - 4½″
supercut	**204.77.12**
black line	**214.77.12**





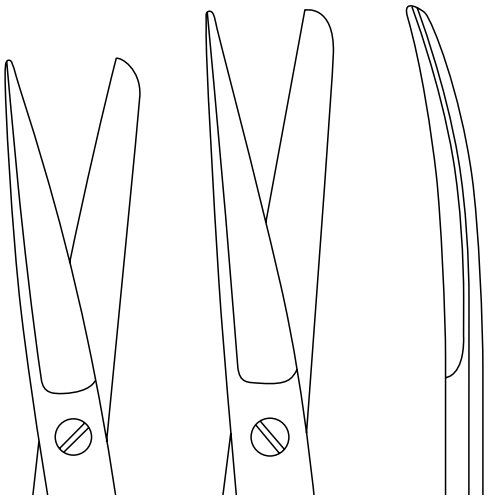
	13 cm – 5⅛″	13 cm – 5⅛″	14,5 cm – 5¾″	14,5 cm – 5¾″
standard	**03.02.13**	**03.03.13**	**03.02.14**	**03.03.14**
supercut	**203.02.13**	**203.03.13**	**203.02.14**	**203.03.14**
black line			**213.02.14**	**213.03.14**
"HM"			**03.02.64**	**03.03.64**





	13 cm – 5⅛″	13 cm – 5⅛″	14,5 cm – 5¾″	14,5 cm – 5¾″
standard	**03.04.13**	**03.05.13**	**03.04.14**	**03.05.14**
supercut	**203.04.13**	**203.05.13**	**203.04.14**	**203.05.14**
black line			**213.04.14**	**213.05.14**
"HM"			**03.04.64**	**03.05.64**

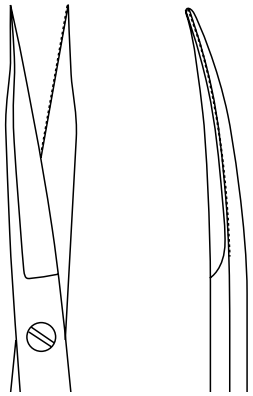




	13 cm – 5⅛″	14,5 cm – 5¾″	14,5 cm – 5¾″
standard	**03.06.13**	**03.06.14**	**03.07.14**
supercut	**203.06.13**	**203.06.14**	**203.07.14**
black line		**213.06.14**	**213.07.14**
"HM"		**03.06.64**	**03.07.64**



Fox



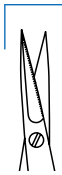
gezahnte Schneiden
serrated cutting edges
hojas dentadas
lames dentelées
lame dentellate

	13 cm - 5⅛″	13 cm - 5⅛″
standard	**04.80.13**	**04.81.13**
supercut	**204.80.13**	**204.81.13**
black line	**214.80.13**	**214.81.13**
"HM"	**04.80.63**	**04.81.63**
supercutplus	**204.80.63**	**204.81.63**

micro 2000



micro 2000

	gezahnte Schneiden serrated cutting edges hojas dentadas lames dentelées lame dentellate				Vannas Schneiden Vannas-type cutting edges Hojas según Vannas Lames selon Vannas Lame secondo Vannas	
						
	12,5 cm - 5″	12,5 cm - 5″	12,5 cm - 5″	12,5 cm - 5″		
standard	**05.12.20**	**05.12.21**	**05.12.22**	**05.12.23**	**05.12.30**	**05.12.31**
supercut	**205.12.20**	**205.12.21**				



micro 2000

	gezahnte Schneiden serrated cutting edges hojas dentadas lames dentelées lame dentellate		Vannas-Schneiden Vannas-type cutting edges Hojas según Vannas Lames selon Vannas Lame secondo Vannas	
				
	15 cm - 6″	15 cm - 6″	15 cm - 6″	15 cm - 6″
standard	**05.15.22**	**05.15.23**	**05.15.30**	**05.15.31**



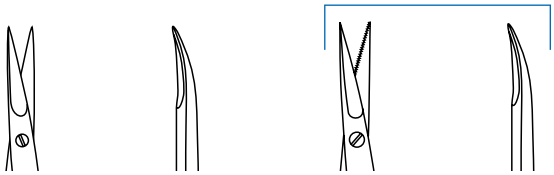
micro 2000

		
	15 cm - 6″	15 cm - 6″
standard	**05.15.20**	**05.15.21**
supercut	**205.15.20**	**205.15.21**



micro 2000

gezahnte Schneiden
serrated cutting edges
hojas dentadas
lames dentelées
lame dentellate



	15 cm - 6″	15 cm - 6″	15 cm - 6″	15 cm - 6″
standard	**05.15.70**	**05.15.71**	**05.15.72**	**05.15.73**
	18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″
standard	**05.18.70**	**05.18.71**	**05.18.72**	**05.18.73**
supercut	**205.18.70**	**205.18.71**		

Leichtmetall-Instrumente mit blau eloxierten Rundgriffen
Light-weight instruments with blue anodized round handles
Instrumentos de metal ligero con mangos redondos anodizados azul
Instruments en métal léger, avec manches ronds anodisés en bleu
Strumenti di metallo leggero con manici rotondi, anodizzati azzurri



- geringes Gewicht
- gut ausbalanciert
- ermüdungsfreies Arbeiten

- extremely light weight
- well balanced
- fatigueless working

- peso muy ligero
- bien equilibrados
- trabajo sin fatiga

- poids léger
- bien équilibrés
- travail sans fatigue

- peso minimo
- equilibrio perfetto
- non affaticano la mano

micro 2000



micro 2000





	15 cm - 6″	15 cm - 6″
standard	**05.15.81**	**05.15.83**

	18 cm - 7⅛″	18 cm - 7⅛″
standard	**05.18.81**	**05.18.83**

Vannas-Schneiden
Vannas-type cutting edges
Hojas según Vannas
Lames selon Vannas
Lame secondo Vannas



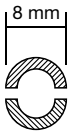






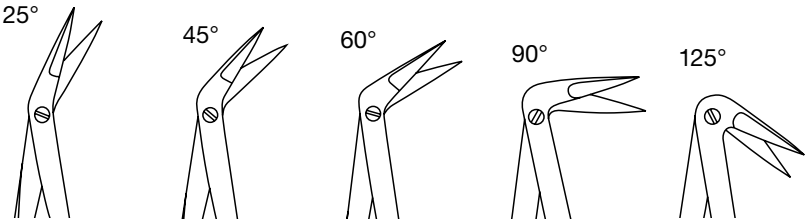


	15 cm - 6″	15 cm - 6″	15 cm - 6″	15 cm - 6″
standard	**05.15.74**	**05.15.75**	**05.15.76**	**05.15.77**
supercut	**205.15.74**			



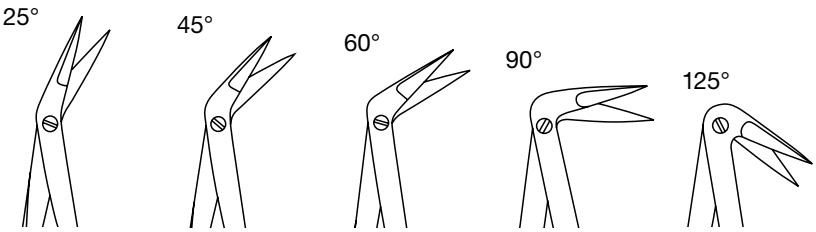
Rundgriff
Round handle
Mango redondo
Manche rond
Manico rotondo



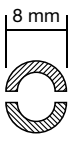


	18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″
"HM"	**05.19.25**	**05.19.45**	**05.19.60**	**05.19.90**	**05.19.95**
magic cut	**225.19.25**	**225.19.45**	**225.19.60**	**225.19.90**	**225.19.95**





	18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″
"HM"	**05.21.25**	**05.21.45**	**05.21.60**	**05.21.90**	**05.21.95**



Rundgriff
Round handle
Mango redondo
Manche rond
Manico rotondo

Ti Titanium



Rundgriff
Round handle
Mango redondo
Manche rond
Manico rotondo







15 cm - 6″	15 cm - 6″
05.16.74	**05.16.75**
18 cm - 7⅛″	18 cm - 7⅛″
05.18.74	**05.18.75**
21 cm - 8¼″	21 cm - 8¼″
05.21.74	**05.21.75**





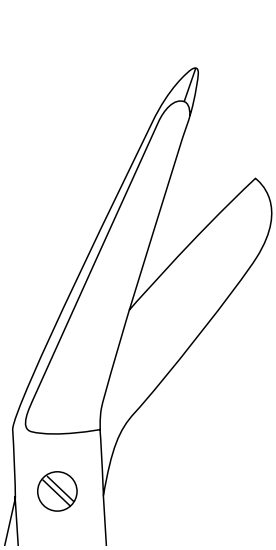


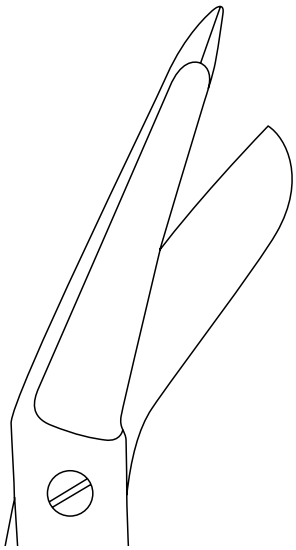
15 cm - 6″	15 cm - 6″
05.16.68	**05.16.69**
18 cm - 7⅛″	18 cm - 7⅛″
05.18.68	**05.18.69**
21 cm - 8¼″	21 cm - 8¼″
05.21.68	**05.21.69**





Lister





	14 cm - 5½″	18 cm – 7⅛″
standard	**40.25.14**	**40.25.18**
supercut	**240.25.14**	**240.25.18**
"HM"	**40.25.64**	**40.25.68**

Advertisement

the art of surgery

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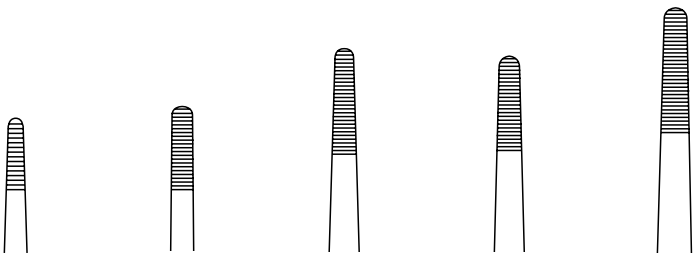
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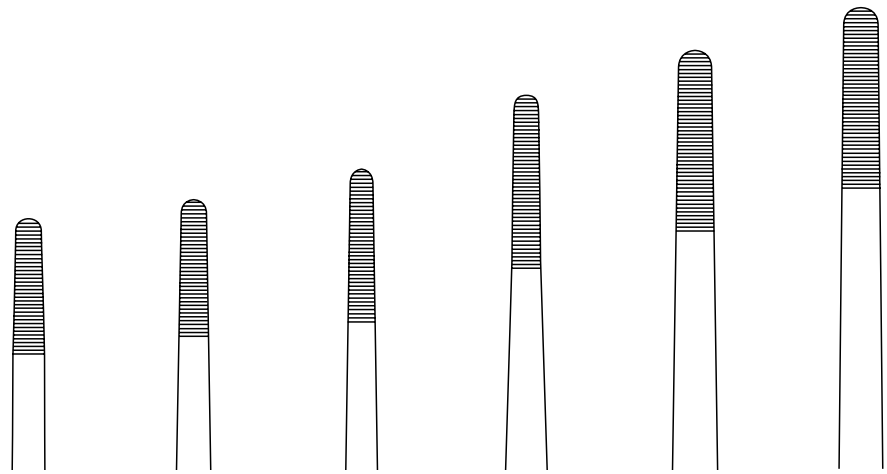




9 cm - 3½″	10,5 cm - 4⅛″	11,5 cm - 4½″	13 cm - 5⅛″	14,5 cm - 5¾″
06.00.09	**06.00.10**	**06.00.11**	**06.00.13**	**06.00.14**

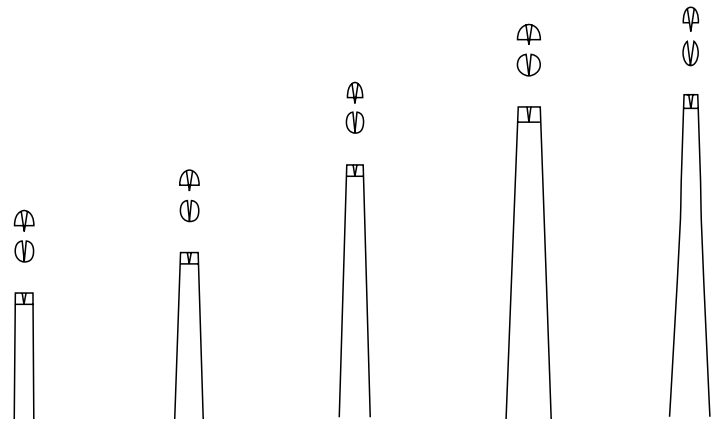
Standard
standard
estándar
standard
standard





15 cm - 6″	16 cm - 6¼″	18 cm - 7⅛″	20 cm - 8″	25 cm - 10″	30 cm - 11¾″
06.00.15	**06.00.16**	**06.00.18**	**06.00.20**	**06.00.25**	**06.00.30**

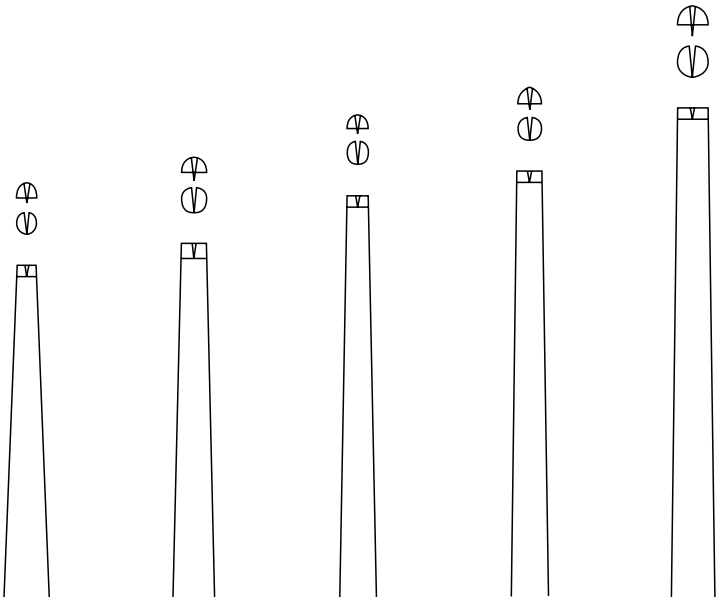




10,5 cm - 4⅛″	11,5 cm - 4½″	13 cm - 5⅛″	14,5 cm - 5¾″	15 cm - 6″
06.05.10	**06.05.11**	**06.05.13**	**06.05.14**	**06.05.15**

Standard
standard
estándar
standard
standard

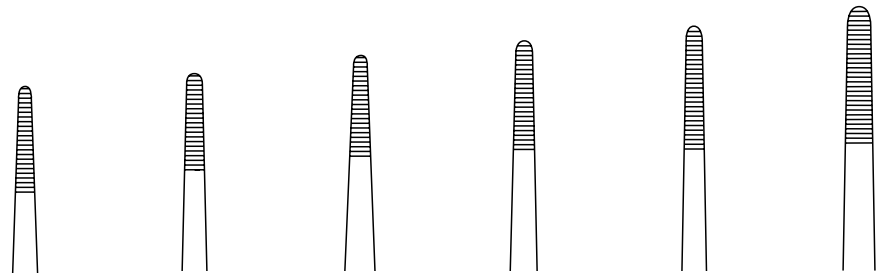




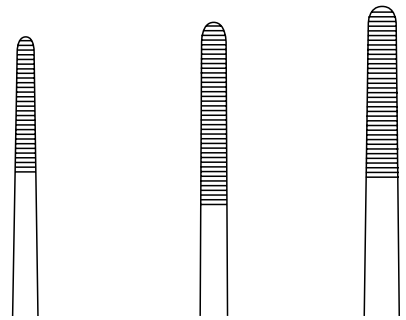
16 cm - 6¼″	18 cm - 7⅛″	20 cm - 8″	25 cm - 10″	30 cm - 11¾″
06.05.16	**06.05.18**	**06.05.20**	**06.05.25**	**06.05.30**



mittelbreit
medium width
de anchura media
demi-large
di media larghezza

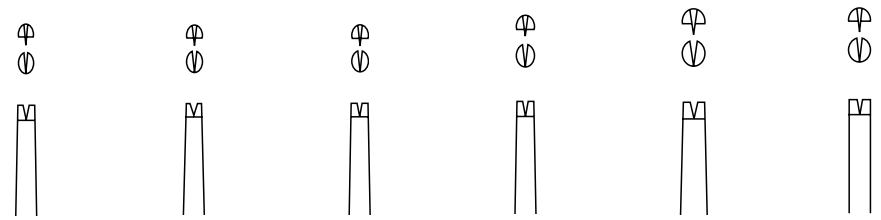


10,5 cm - 4⅛″	11,5 cm - 4½″	13 cm - 5⅛″	14,5 cm - 5¾″	16 cm - 6¼″	18 cm - 7⅛″
06.01.10	**06.01.11**	**06.01.13**	**06.01.14**	**06.01.16**	**06.01.18**



20 cm - 8″	25 cm - 10″	30 cm - 11¾″
06.01.20	**06.01.25**	**06.01.30**

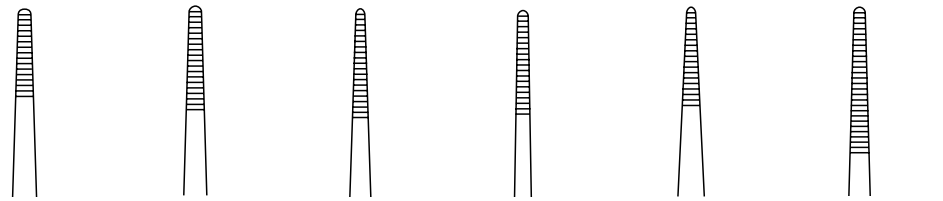




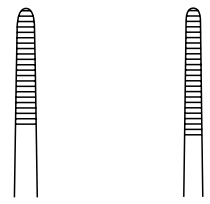
11,5 cm - 4½″	13 cm - 5⅛″	14,5 cm - 5¾″	16 cm - 6¼″	18 cm - 7⅛″	20 cm - 8″
06.06.11	**06.06.13**	**06.06.14**	**06.06.16**	**06.06.18**	**06.06.20**



schlank
slim
delgada
élancée
stretta

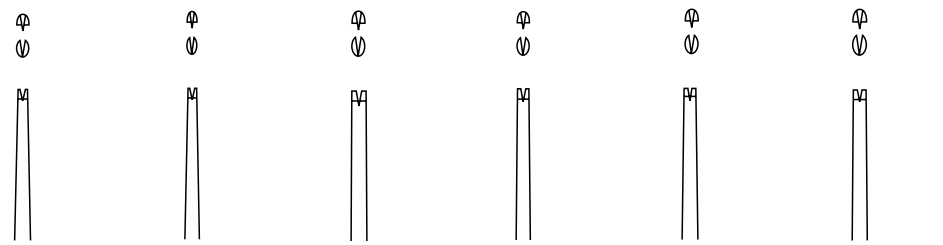


11,5 cm - 4½″	13 cm - 5⅛″	14,5 cm - 5¾″	15 cm - 6″	16 cm - 6¼″	18 cm - 7⅛″
06.02.11	**06.02.13**	**06.02.14**	**06.02.15**	**06.02.16**	**06.02.18**

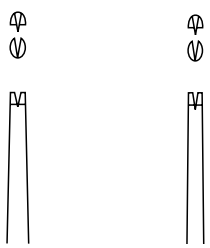


20 cm - 8″	25 cm - 10″
06.02.20	**06.02.25**

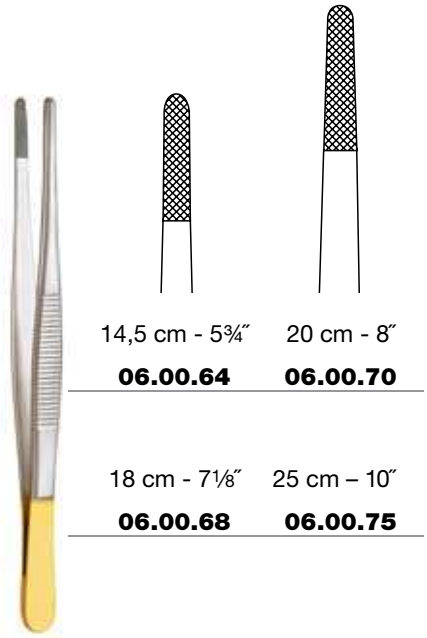




11,5 cm - 4½″	13 cm - 5⅛″	14,5 cm - 5¾″	15 cm – 6″	16 cm – 6¼″	18 cm – 7⅛″
06.07.11	**06.07.13**	**06.07.14**	**06.07.15**	**06.07.16**	**06.07.18**

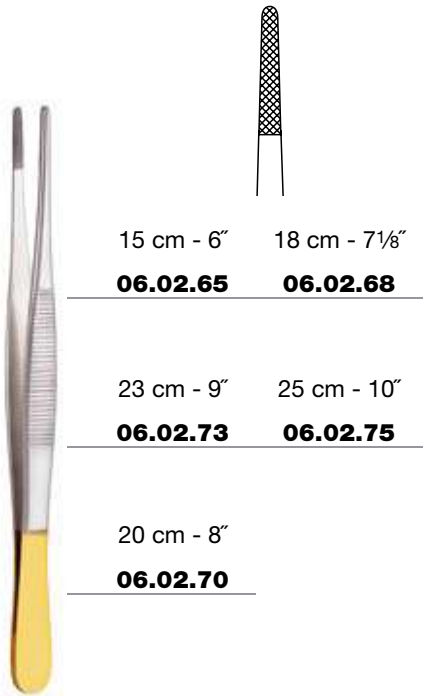


20 cm – 8″	25 cm – 10″
06.07.20	**06.07.25**



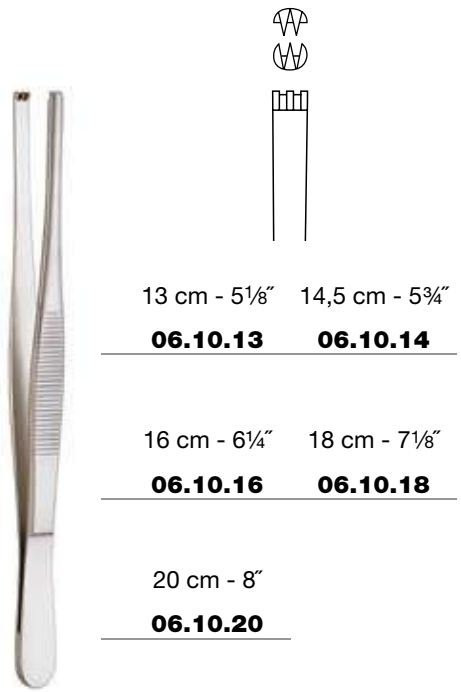
14,5 cm - 5¾″	20 cm - 8″
06.00.64	**06.00.70**
18 cm - 7⅛″	25 cm – 10″
06.00.68	**06.00.75**

“HM”

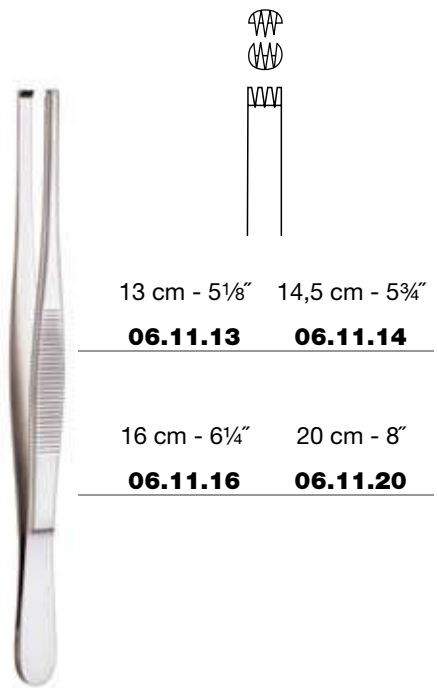


15 cm - 6″	18 cm - 7⅛″
06.02.65	**06.02.68**
23 cm - 9″	25 cm - 10″
06.02.73	**06.02.75**
20 cm - 8″	
06.02.70	

Potts-Smith “HM”

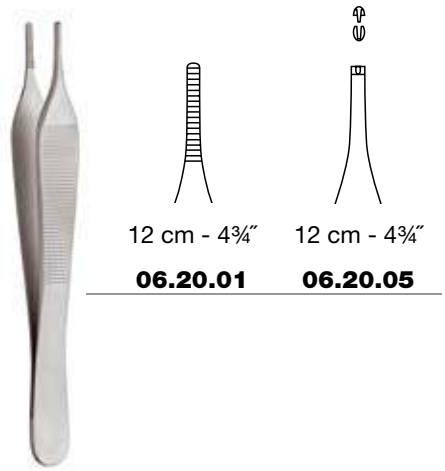


13 cm - 5⅛″	14,5 cm - 5¾″
06.10.13	**06.10.14**
16 cm - 6¼″	18 cm - 7⅛″
06.10.16	**06.10.18**
20 cm - 8″	
06.10.20	



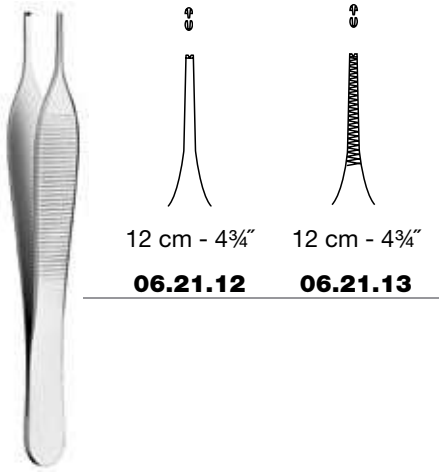
13 cm - 5⅛″	14,5 cm - 5¾″
06.11.13	**06.11.14**
16 cm - 6¼″	20 cm - 8″
06.11.16	**06.11.20**

“HM” = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno



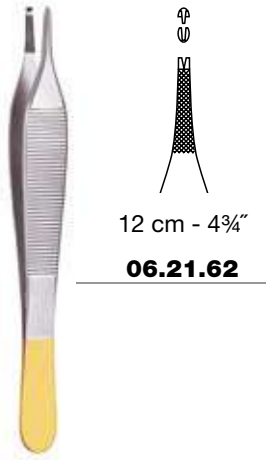
12 cm - 4¾″	12 cm - 4¾″
06.20.01	**06.20.05**

Hudson-Ewald



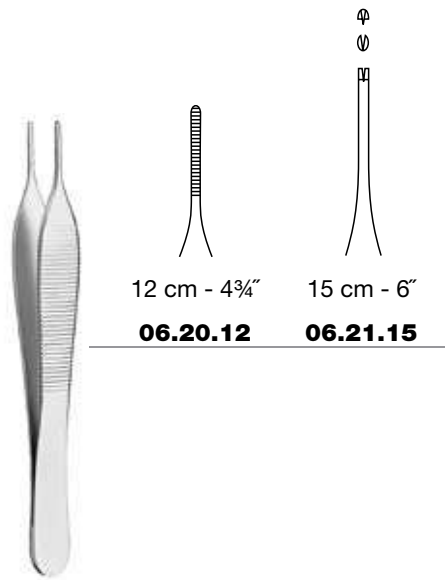
12 cm - 4¾″	12 cm - 4¾″
06.21.12	**06.21.13**

Adson



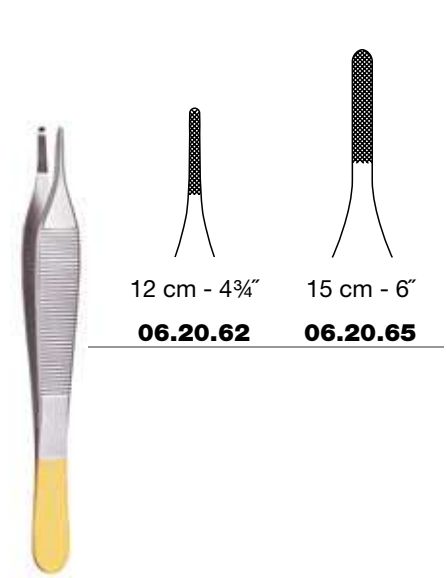
12 cm - 4¾″
06.21.62

Adson “HM”



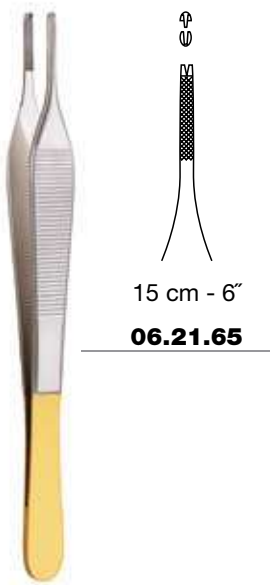
12 cm - 4¾″	15 cm - 6″
06.20.12	**06.21.15**

Adson



12 cm - 4¾″	15 cm - 6″
06.20.62	**06.20.65**

Adson “HM”

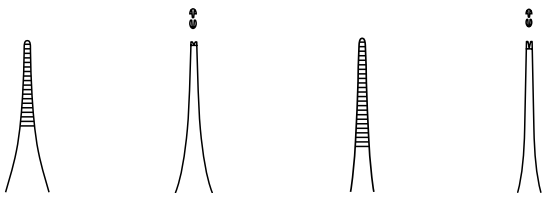


15 cm - 6″
06.21.65

Adson “HM”

“HM” = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno



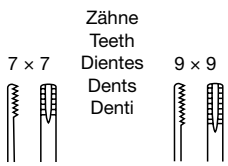


12 cm - 4¾″	12 cm - 4¾″	15 cm - 6″	15 cm - 6″
06.22.12	**06.23.12**	**06.22.15**	**06.23.15**



Micro-Adson

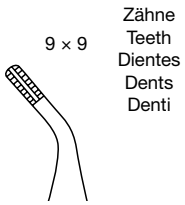




12 cm - 4¾″	12 cm - 4¾″
06.25.12	**06.25.15**

Adson-Brown





12 cm - 4¾″
06.25.72

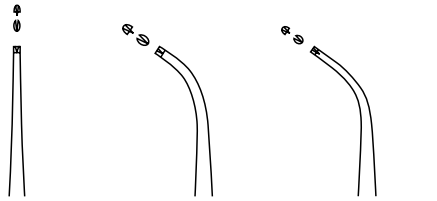
Adson-Brown





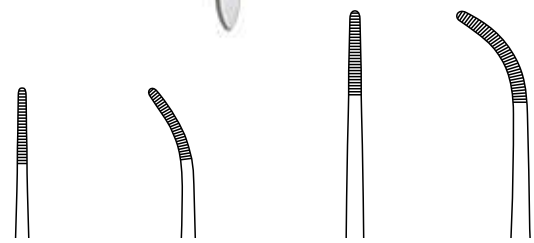
10 cm - 4″	10 cm - 4″	10 cm - 4″
06.30.10	**06.30.20**	**06.30.30**





10 cm - 4″	10 cm - 4″	10 cm - 4″
06.31.10	**06.31.20**	**06.31.30**

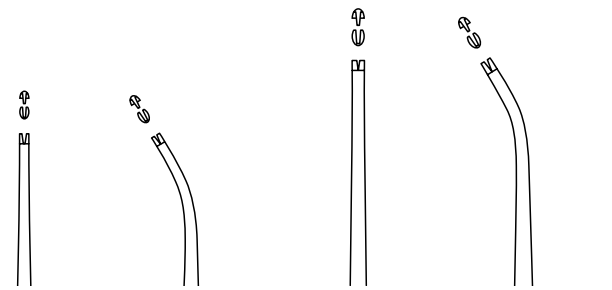




12,5 cm - 5″	12,5 cm - 5″	15 cm - 6″	15 cm - 6″
06.30.12	**06.30.22**	**06.30.15**	**06.30.25**

Semken





12,5 cm - 5″	12,5 cm - 5″	15 cm - 6″	15 cm - 6″
06.31.12	**06.31.22**	**06.31.15**	**06.31.25**

Semken



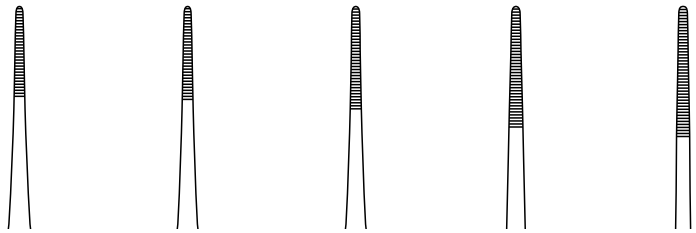


12,5 cm - 5″

06.31.32

Semken

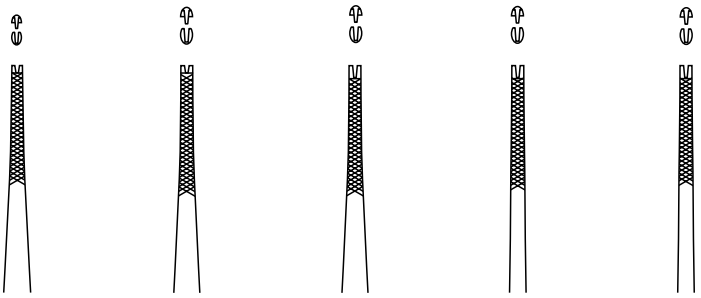




11 cm - 4⅜″	13 cm - 5⅛″	15 cm - 6″	18 cm - 7⅛″	20 cm - 8″
06.34.51	**06.34.53**	**06.34.55**	**06.34.58**	**06.34.60**

“Select”





11 cm - 4⅜″	13 cm - 5⅛″	15 cm - 6″	18 cm - 7⅛″	20 cm - 8″
06.35.51	**06.35.53**	**06.35.55**	**06.35.58**	**06.35.60**

“Select”



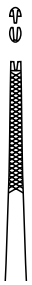


15 cm - 6″

06.40.15

McIndoe





15 cm - 6″

06.40.85

Gillies

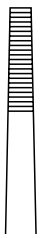




20 cm - 8″

06.45.20





13 cm - 5⅛″

06.44.13

15 cm - 6″

06.44.15

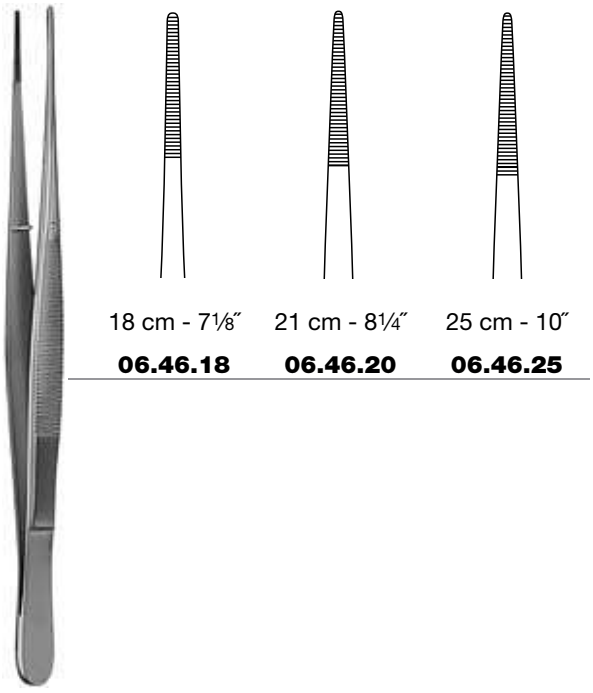
17 cm - 6¾″

06.44.17

20 cm - 8″

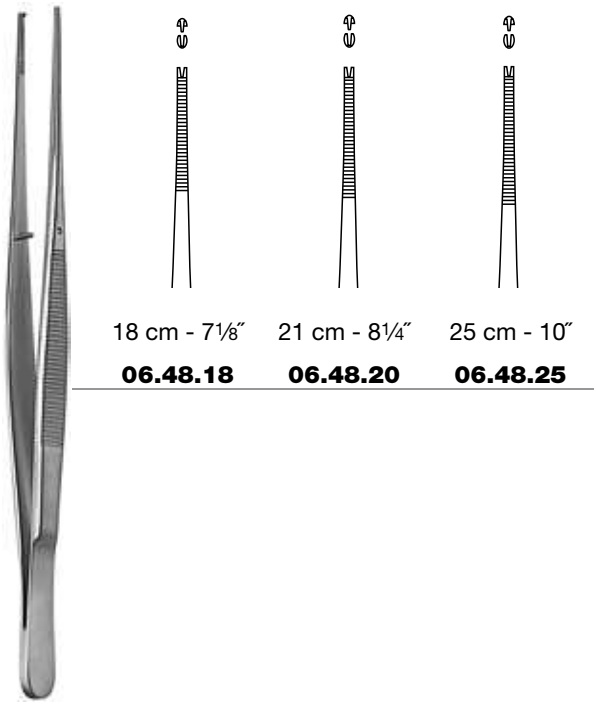
06.44.20

Schwedisches Modell
Swedish pattern
Modelo sueco
Modèle suédois
Modello svedese



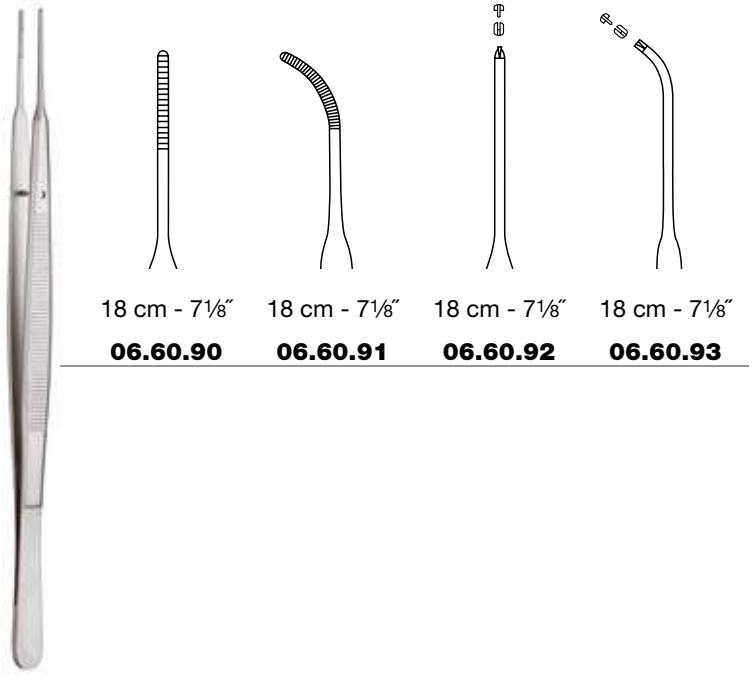
18 cm - 7⅛″	21 cm - 8¼″	25 cm - 10″
06.46.18	**06.46.20**	**06.46.25**

Potts-Smith



18 cm - 7⅛″	21 cm - 8¼″	25 cm - 10″
06.48.18	**06.48.20**	**06.48.25**

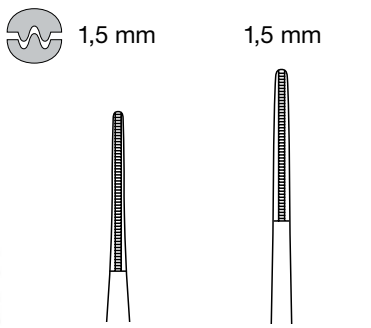
Potts-Smith



18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″
06.60.90	**06.60.91**	**06.60.92**	**06.60.93**

Gerald

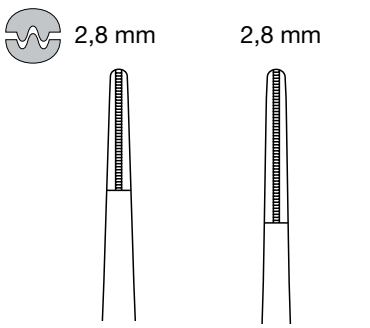




15 cm - 6″	20 cm - 8″
06.50.15	**06.50.19**

DeBakey “AT”

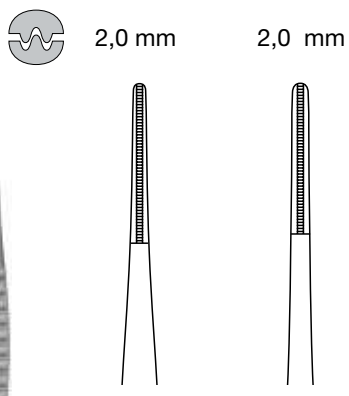




15 cm - 6″	20 cm - 8″
06.54.15	**06.54.19**

DeBakey “AT”

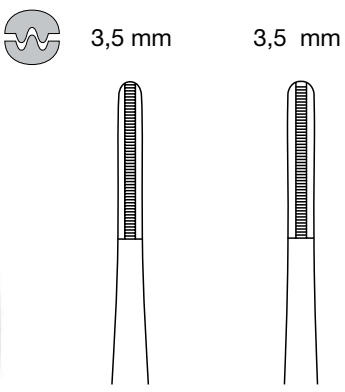




15 cm - 6″	20 cm - 8″
06.52.15	**06.52.19**

DeBakey “AT”



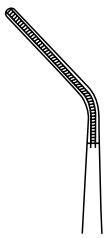


15 cm - 6″	20 cm - 8″
06.55.15	**06.55.19**

DeBakey “AT”

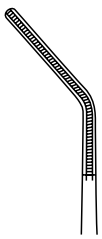


1,5 mm



15 cm - 6″
06.57.15

1,5 mm



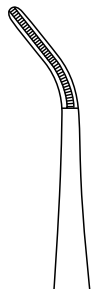
20 cm - 8″
06.57.19



DeBakey “AT”

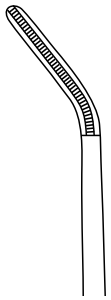


2,0 mm



15 cm - 6″
06.59.15

2,0 mm



20 cm - 8″
06.59.19



DeBakey “AT”



1,2 mm



15 cm - 6″
06.51.15

1,5 mm



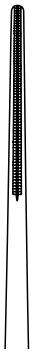
20 cm - 8″
06.51.20

1,5 mm



24 cm - 9½″
06.51.24

1,5 mm



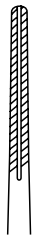
30 cm - 11¾″
06.51.30

extrem leicht
extremely light
especialmente ligera
extrêmement légère
estremamente leggera



DeBakey “AT”



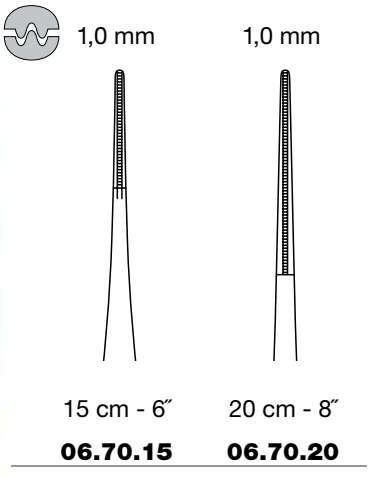


15 cm - 6″
06.56.15

“AT”

Titanium

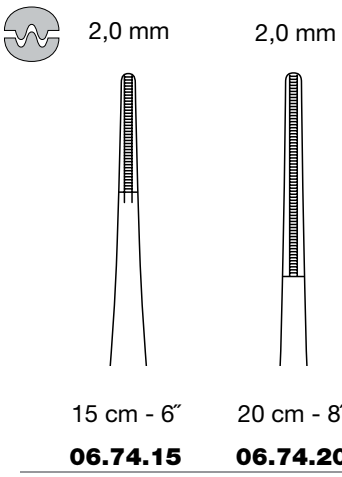




15 cm - 6″	20 cm - 8″
06.70.15	**06.70.20**

DeBakey “AT”

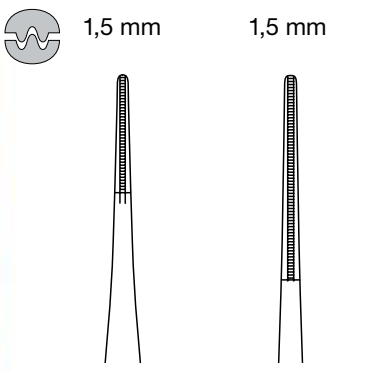




15 cm - 6″	20 cm - 8″
06.74.15	**06.74.20**

DeBakey “AT”

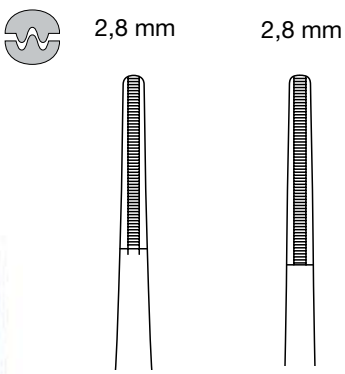




15 cm - 6″	20 cm - 8″
06.72.15	**06.72.20**

DeBakey “AT”





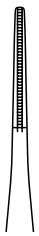
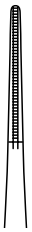
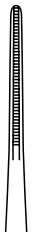
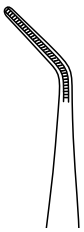
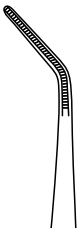
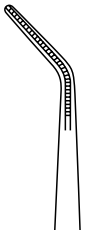
15 cm - 6″	20 cm - 8″
06.76.15	**06.76.20**

DeBakey “AT”

Titanium



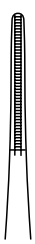
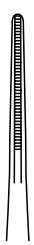
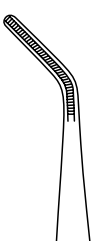
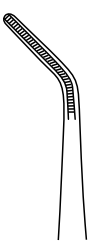
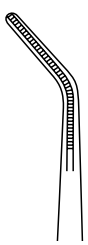


1,2 mm	1,2 mm	1,2 mm	1,2 mm	1,2 mm	1,2 mm
					
15 cm - 6″	18 cm - 7⅛″	21 cm - 8¼″	15 cm - 6″	18 cm - 7⅛″	21 cm - 8¼″
06.90.15	**06.90.18**	**06.90.21**	**06.91.15**	**06.91.18**	**06.91.21**

DeBakey “AT”

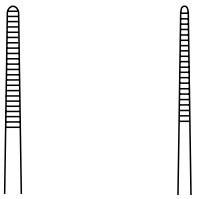




1,8 mm	1,8 mm	1,8 mm	1,8 mm	1,8 mm	1,8 mm
					
15 cm - 6″	18 cm - 7⅛″	21 cm - 8¼″	15 cm - 6″	18 cm - 7⅛″	21 cm - 8¼″
06.92.15	**06.92.18**	**06.92.21**	**06.93.15**	**06.93.18**	**06.93.21**

DeBakey “AT”





14 cm - 5½″ | 14 cm - 5½″

07.30.14 | **07.30.74**

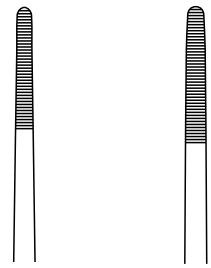
Lucae



14 cm - 5½″

07.31.14



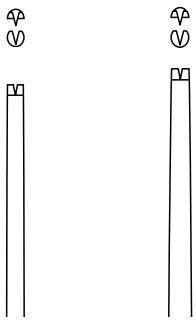


16 cm - 6¼″ | 19,5 cm - 7¾″

07.30.16 | **07.30.19**

Gruenwald



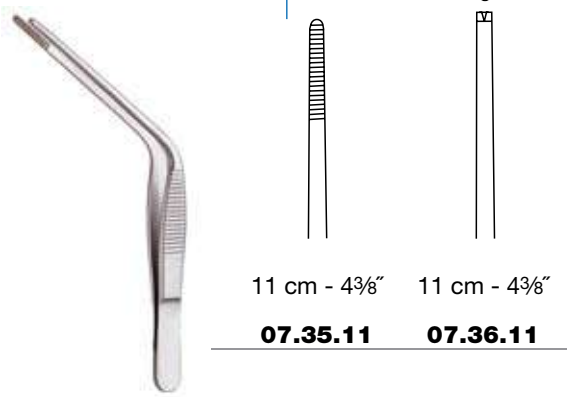


16 cm - 6¼″ | 19,5 cm - 7¾″

07.31.16 | **07.31.19**

Gruenwald

für Kinder
for children
para niños
pour enfants
per bambini

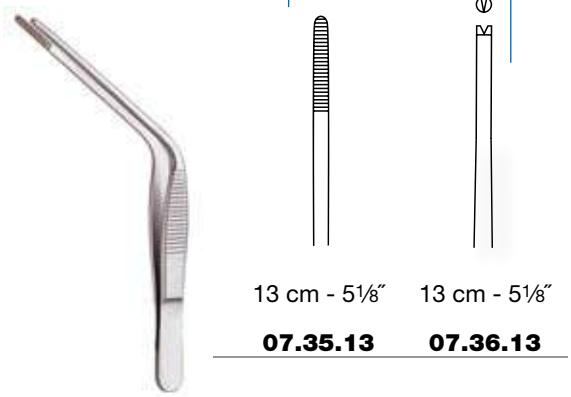


11 cm - 4⅜″ | 11 cm - 4⅜″

07.35.11 | **07.36.11**

Troeltsch (Wilde)

für Erwachsene
for adults
para adultos
pour adultes
per adulti

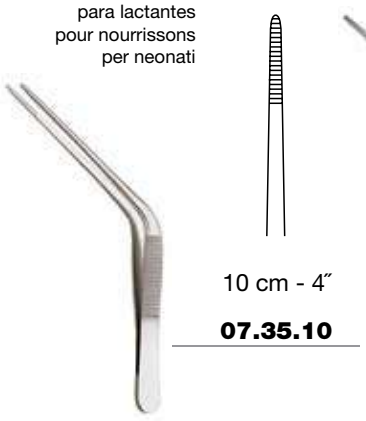


13 cm - 5⅛″ | 13 cm - 5⅛″

07.35.13 | **07.36.13**

Troeltsch (Wilde)

für Säuglinge
for babies
para lactantes
pour nourrissons
per neonati

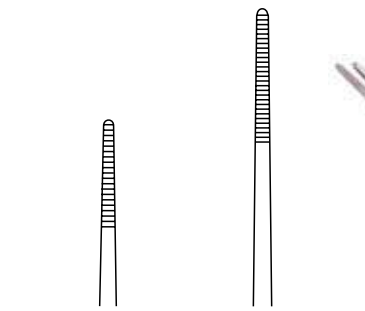


10 cm - 4″

07.35.10

Troeltsch (Wilde)

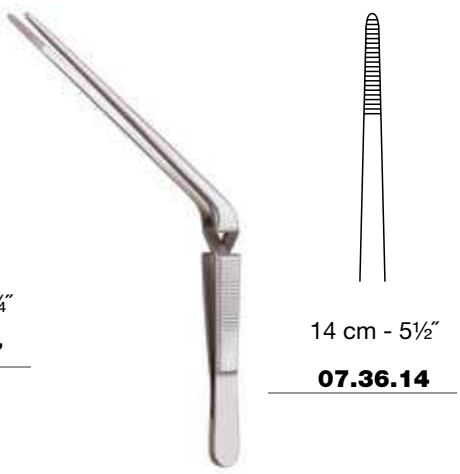




13 cm - 5⅛″ | 17 cm - 6¾″

07.35.73 | **07.35.17**

Troeltsch

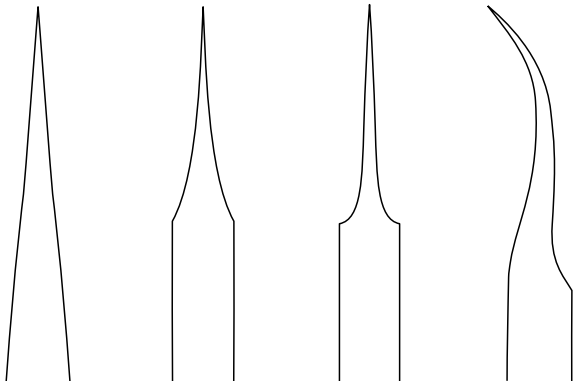


14 cm - 5½″

07.36.14

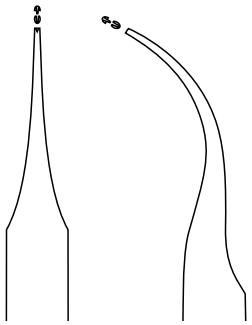
Troeltsch





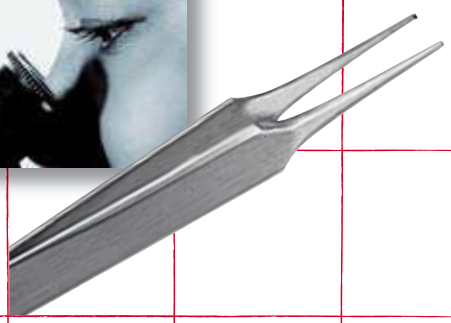
11,5 cm - 4½″	11,5 cm - 4½″	11,5 cm - 4½″	11,5 cm - 4½″
07.60.03	**07.60.04**	**07.60.05**	**07.60.07**



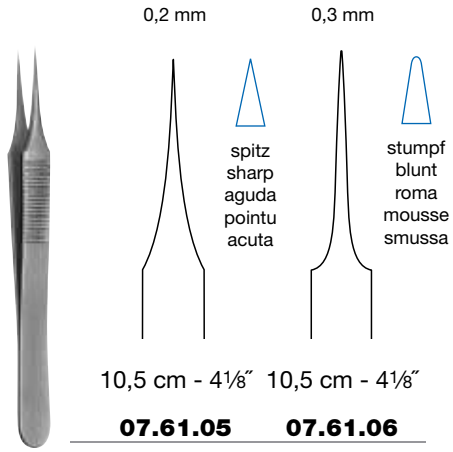


11 cm - 4⅜″	11 cm - 4⅜″
07.60.10	**07.60.11**





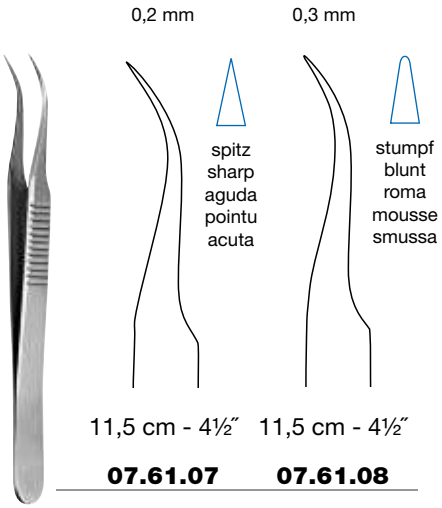
Weitere Juwelierpinzetten finden Sie in unserem Hauptkatalog
For further jeweler's forceps see our main catalogue
Más pinzas para joyero/relojero se encuentra en nuestro catálogo general
Vous trouverez d'autres pinces pour joaillier/horloger dans notre catalogue général
Ulteriori pinze per gioielliere/orologiaio si trovano nel nostro catalogo generale



10,5 cm - 4⅛″ 10,5 cm - 4⅛″

07.61.05 **07.61.06**

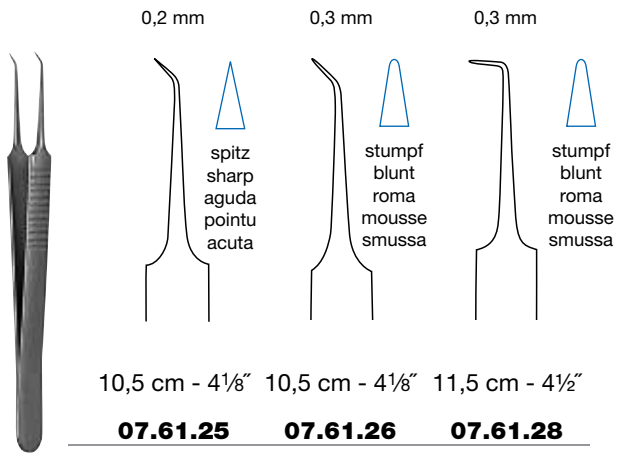
micro 2000



11,5 cm - 4½″ 11,5 cm - 4½″

07.61.07 **07.61.08**

micro 2000



10,5 cm - 4⅛″ 10,5 cm - 4⅛″ 11,5 cm - 4½″

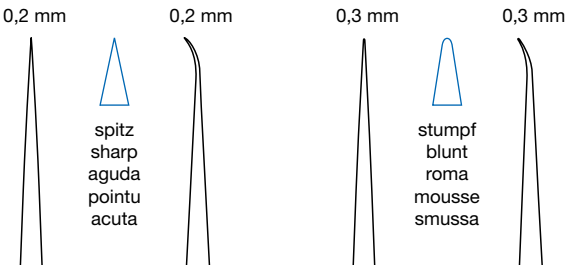
07.61.25 **07.61.26** **07.61.28**

micro 2000







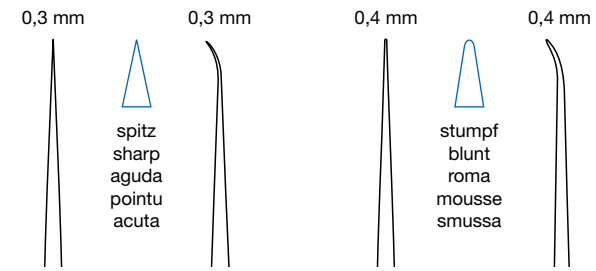


15 cm - 6″	15 cm - 6″	15 cm - 6″	15 cm - 6″
07.64.63	**07.64.73**	**07.64.64**	**07.64.74**

Leichtmetall-Instrumente mit blau eloxierten Rundgriffen
Light-weight instruments with blue anodized round handles
Instrumentos de metal ligero con mangos redondos anodizados azul
Instruments en métal léger, avec manches ronds anodisés en bleu
Strumenti di metallo leggero con manici rotondi, anodizzati azzurri

micro 2000



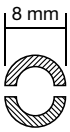


18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″
07.64.83	**07.64.93**	**07.64.84**	**07.64.94**

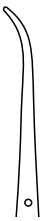
micro 2000

Titanium

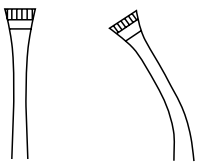




Rundgriff
Round handle
Mango redondo
Manche rond
Manico rotondo

0,4 mm	0,4 mm	0,8 mm	0,8 mm
			
15 cm - 6″	15 cm - 6″	15 cm - 6″	15 cm - 6″
07.74.15	**07.75.15**	**07.76.15**	**07.77.15**
18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″
07.74.18	**07.75.18**	**07.76.18**	**07.77.18**
21 cm - 8¼″	21 cm - 8¼″	21 cm - 8¼″	21 cm - 8¼″
07.74.21	**07.75.21**	**07.76.21**	**07.77.21**

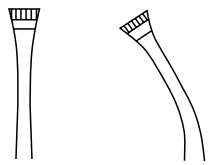




11 cm - 4⅜″	11 cm - 4⅜″
07.00.10	**07.00.30**

Graefe





11 cm - 4⅜″	11 cm - 4⅜″
07.01.10	**07.01.30**

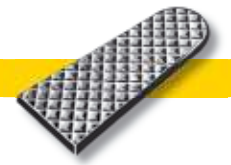
Graefe

medicon instrumente
the art of surgery



"HM"

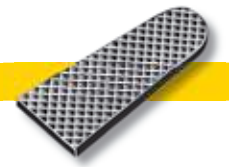
Nadelhalter mit Hartmetalleinlagen
Needle holders with tungsten carbide inserts
Porta-agujas con bocas revestidas de plaquitas de carburo de tungsteno
Porte-aiguilles avec mors en carbure de tungstène
Portaghi con morsi rivestiti di placchette di carburo di tungsteno



0,5 mm

N — normal · regular · normal · normale · normale

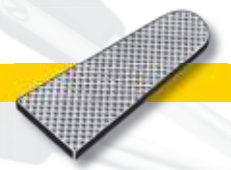
für Nadeln und Nahtmaterial bis Stärke 4-0
for needles and sutures up to size 4-0
para agujas y material de sutura hasta el espesor de 4-0
pour aiguilles et matériel à suture jusqu'à une épaisseur de 4-0
per aghi e materiale per sutura fino ad uno spessore di 4-0



0,4 mm

F — fein · fine · fino · fine · fine

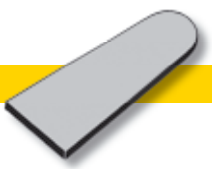
für feine Nadeln und Nahtmaterial Stärke 5-0 und 6-0
for delicate needles and sutures sizes 5-0 and 6-0
para agujas finas y material de sutura para espesores 5-0 y 6-0
pour aiguilles fines et matériel à suture d'une épaisseur 5-0 et 6-0
per aghi fini e materiale per sutura di uno spessore 5-0 e 6-0



0,3 mm

EF — extra-fein · extra-fine · extra-fino · extra-fine · extra-fine

für Mikro-Nadeln und Nahtmaterial bis Stärke 10-0
for micro-needles and sutures up to size 10-0
para micro-agujas y material de sutura hasta el espesor de 10-0
pour micro-aiguilles et matériel à suture jusqu'à une épaisseur de 10-0
per micro-aghi e materiale per sutura fino ad uno spessore di 10-0



■ — glatt · smooth · liso · lisse · liscia

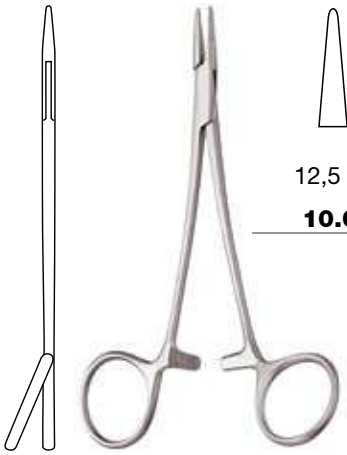
für feine Nadeln und Nahtmaterial Stärke 7-0 bis 10-0
for delicate needles and sutures from sizes 7-0 to 10-0
para agujas finas y material de sutura para espesores 7-0 y 10-0
pour aiguilles fines et matériel à suture d'une épaisseur 7-0 à 10-0
per aghi fini e materiale per sutura di uno spessore di 7-0 fino a 10-0



12 cm - 4¾″

10.02.12

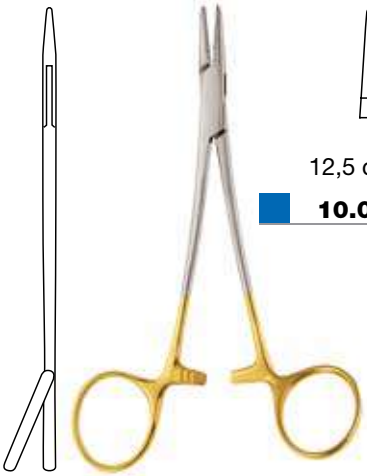
Derf



12,5 cm - 5″

10.08.12

Neivert



12,5 cm - 5″

10.08.62

Neivert “HM”



11,5 cm - 4½″ 11,5 cm - 4½″

10.00.11 **10.00.12**

Medicon-Halsted



11,5 cm - 4½″

10.00.62

Medicon-Halsted “HM”



12,5 cm - 5″

10.10.12

Webster



12,5 cm - 5″

10.10.62

Webster “HM”



13,5 cm - 5⅜″

10.10.13

Halsey



12 cm - 4¾″ **10.10.61**

13,5 cm - 5⅜″ **10.10.63**

Halsey “HM”



12,5 cm - 5″

10.12.12

Wright (Derf)



13,5 cm - 5⅜″

10.12.13

Halsey



14 cm - 5½″

10.14.14

Baumgartner



12,5 cm - 5″

F **10.12.62**

Wright (Derf) “HM”



13,5 cm - 5⅜″

F **10.12.63**

Halsey “HM”



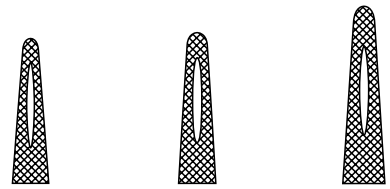
14 cm - 5½″

N **10.14.64**

Baumgartner “HM”

“HM” = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno





15 cm - 6″	18 cm - 7⅛″	20 cm - 8″
10.18.15	**10.18.18**	**10.18.20**

Mayo-Hegar



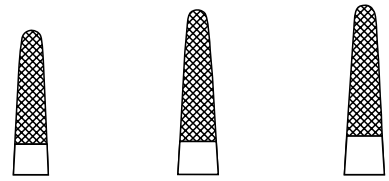


15 cm - 6″

10.20.14

Baby-Crile-Wood

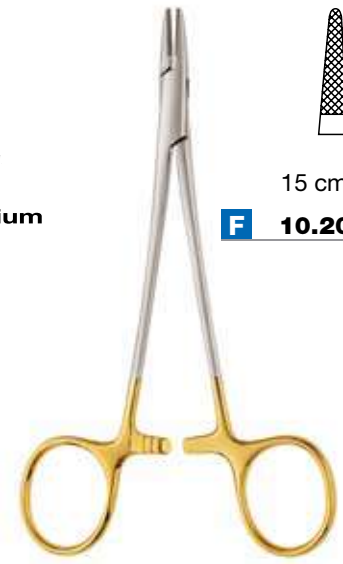




	15 cm - 6″	18 cm - 7⅛″	20 cm - 8″
N	**10.18.65**	**10.18.68**	**10.18.70**
N	**10.18.85**	**10.18.88**	**10.18.90**

Ti Titanium

Mayo-Hegar "HM"





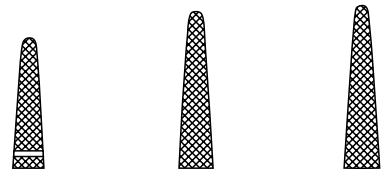
15 cm - 6″

F **10.20.64**

Baby-Crile-Wood "HM"

"HM" = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno

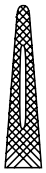




15 cm - 6″	18 cm - 7⅛″	20 cm - 8″
10.20.15	**10.20.18**	**10.20.20**

Crile-Wood





18 cm - 7⅛″

10.22.18

Sarot



	15 cm - 6″	18 cm - 7⅛″	20 cm - 8″
F	**10.20.65**	**10.20.68**	**10.20.70**

Crile-Wood “HM”
(DeBakey “HM”)





18 cm - 7⅛″

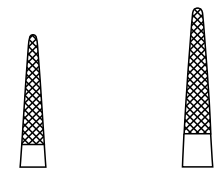
F **10.22.68**

Sarot “HM”

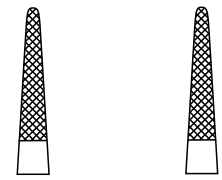
Hartmetall
Tungsten carbide
“HM” = Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno



micro-slim “HM”



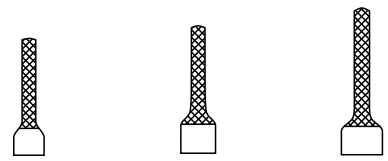
	15 cm - 6″	18 cm - 7⅛″
F	**10.24.65**	**10.24.68**



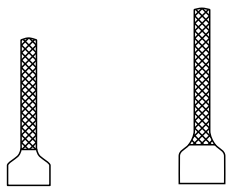
	20 cm - 8″	23 cm - 9″
F	**10.24.70**	**10.24.73**



Ryder (French Eye) “HM”



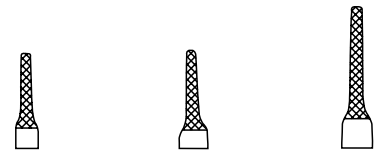
	13 cm - 5⅛″	15 cm - 6″	18 cm - 7⅛″
N	**10.26.63**	**10.26.65**	**10.26.68**



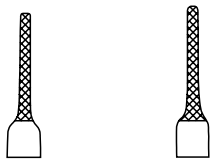
	20 cm - 8″	23 cm - 9″
N	**10.26.70**	**10.26.73**



Mini-Ryder “HM”

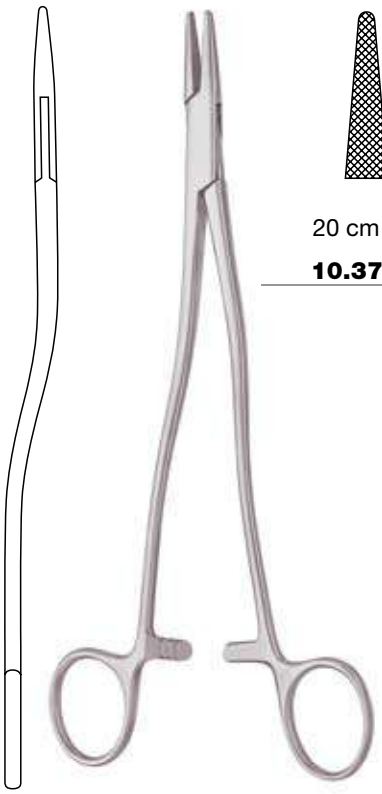


	13 cm - 5⅛″	15 cm - 6″	18 cm - 7⅛″
EF	**10.28.63**	**10.28.65**	**10.28.68**



	20 cm - 8″	23 cm - 9″
EF	**10.28.70**	**10.28.73**

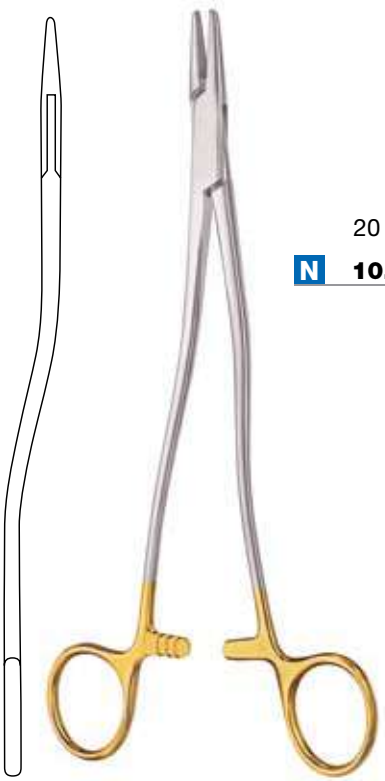
“HM” = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno



20 cm - 8″

10.37.20

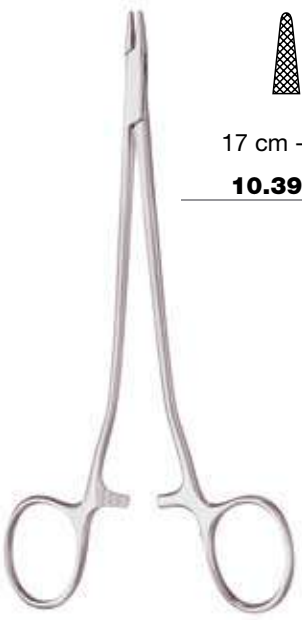
Thomson-Walker (Bozemann)



20 cm - 8″

N **10.37.70**

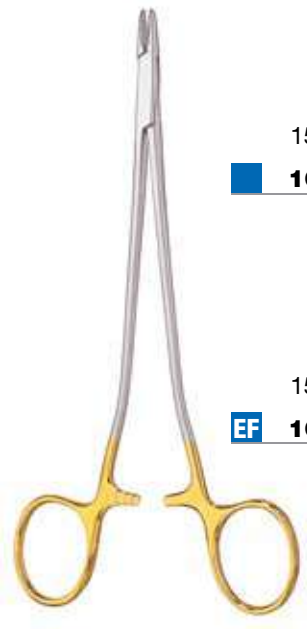
Bozemann (Wertheim) “HM”



17 cm - 6¾″

10.39.17

Senning



15 cm - 6″ | 17 cm - 6¾″

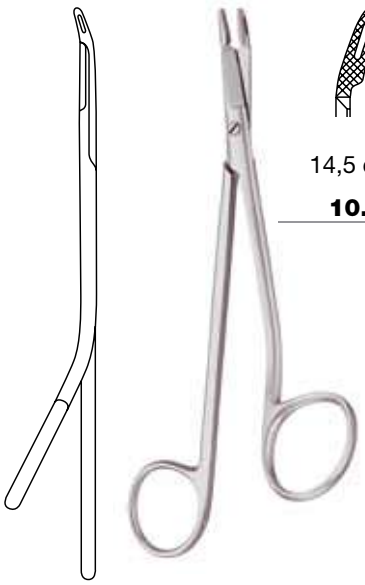
10.39.64 | **10.39.66**

15 cm - 6″ | 17 cm - 6¾″

EF **10.39.65** | **10.39.67**

Senning “HM”

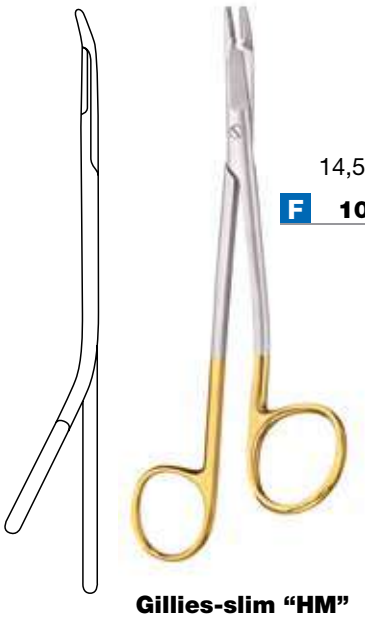
“HM” = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno



14,5 cm - 5¾″

10.59.14

Gillies-slim



14,5 cm - 5¾″

F **10.59.64**

Gillies-slim “HM”

Nadelhalter mit Schere
Needle holders with scissors
Porta-agujas con tijera
Porte-aiguilles avec ciseaux
Portaghi con forbice



15,5 cm - 6⅛″

10.59.15

Gillies



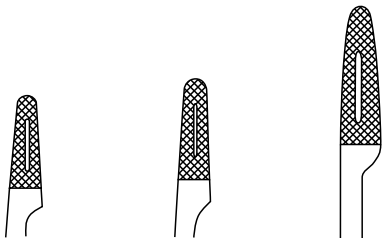
15,5 cm - 6⅛″

F **10.59.65**

Gillies “HM”

Hartmetall
Tungsten carbide
“HM” = Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno

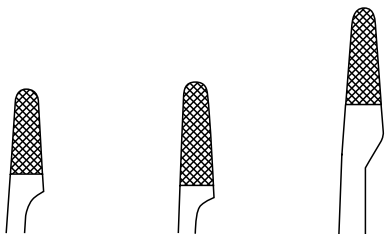




14 cm - 5½″	17 cm - 6¾″	19 cm - 7½″
10.60.14	**10.60.17**	**10.60.19**

Olsen-Hegar





	14 cm - 5½″	17 cm - 6¾″	19 cm - 7½″
F	**10.60.64**	**10.60.67**	**10.60.69**

Olsen-Hegar “HM”

“HM” = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno





14 cm - 5½″	17 cm - 6¾″
10.18.14	**10.18.17**

Mathieu-Kocher

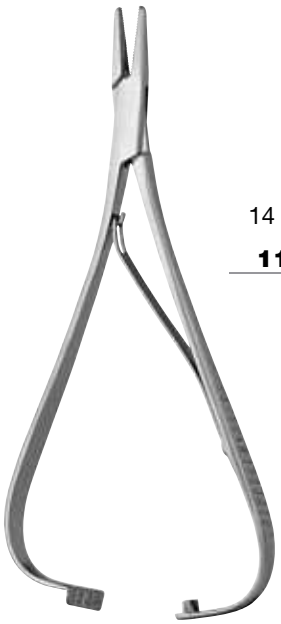






	14 cm - 5½″	17 cm - 6¾″
N	**10.18.64**	**10.18.67**

Mathieu-Kocher “HM”







14 cm - 5½″	17 cm - 6¾″
11.20.14	**11.20.17**

Mathieu







	14 cm - 5½″	17 cm - 6¾″
N	**10.20.64**	**10.20.67**

Mathieu “HM”

“HM” = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno



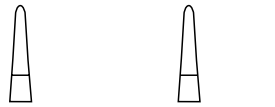


14 cm - 5½″	14 cm - 5½″
11.62.14	**11.62.15**
17 cm - 6¾″	17 cm - 6¾″
11.62.17	**11.62.18**

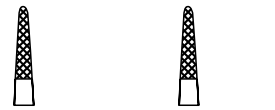
mit Sperre
with catch
con cremallera
avec crémaillère
con cremagliera

Castroviejo





	14 cm - 5½″	17 cm - 6¾″
	11.62.64	**11.62.67**
EF	**11.62.84**	**11.62.87**



mit Sperre
with catch
con cremallera
avec crémaillère
con cremagliera

Castroviejo "HM"



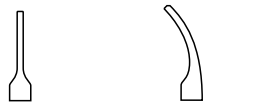


14,5 cm - 5¾″	14,5 cm - 5¾″
11.70.24	**11.70.25**

mit Sperre
with catch
con cremallera
avec crémaillère
con cremagliera

Castroviejo-micro





14,5 cm - 5¾″	14,5 cm - 5¾″
11.70.22	**11.70.23**

Castroviejo-micro

"HM" = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno







16 cm - 6¼″	16 cm - 6¼″
12.15.50	**12.15.51**

Yasargil





15 cm - 6″	15 cm - 6″
12.15.30	**12.15.31**

micro 2000



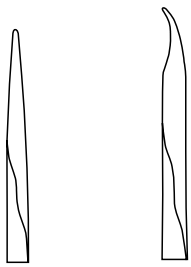


15 cm - 6″	15 cm - 6″
12.15.32	**12.15.33**

mit Sperre
with catch
con cremallera
avec crémaillère
con cremagliera

micro 2000





20 cm - 8″	20 cm - 8″
58.20.91	**58.20.95**

- geringes Gewicht
- gut ausbalanciert
- ermüdungsfreies Arbeiten

- extremely light weight
- well balanced
- fatigueless working

- peso muy ligero
- bien equilibrados
- trabajo sin fatiga

- poids léger
- bien équilibrés
- travail sans fatigue

- peso minimo
- equilibrio perfetto
- non affaticano la mano

micro 2000

"HM" = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno







15 cm - 6″	15 cm - 6″	18 cm - 7⅛″	18 cm - 7⅛″
12.15.70	**12.15.71**	**12.18.70**	**12.18.71**

Leichtmetall-Instrumente mit blau eloxierten Rundgriffen
Light-weight instruments with blue anodized round handles
Instrumentos de metal ligero con mangos redondos anodizados azul
Instruments en métal léger avec manches ronds anodisés en bleu
Strumenti di metallo leggero con manici rotondi, anodizzati azzurri

micro 2000





15 cm - 6″	15 cm - 6″	18 cm - 7⅛″	18 cm - 7⅛″
12.15.72	**12.15.73**	**12.18.72**	**12.18.73**
		12.18.74	**12.18.75**

mit Sperre
with catch
con cremallera
avec crémaillère
con cremagliera

micro 2000

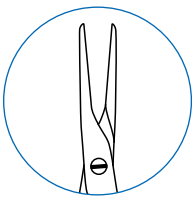
mit Diamantbeschichtung
with diamond dust coating
con recubrimiento de diamente
avec couche diamantée
con rivestimento di diamante

Titanium





15 cm - 6″	15 cm - 6″	18 cm - 7⅛″	18 cm - 7⅛″	21 cm - 8¼″	21 cm - 8¼″
12.16.75	**12.16.77**	**12.18.85**	**12.18.87**	**12.21.95**	**12.21.97**





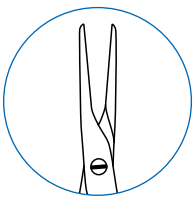
Rundgriff
Round handle
Mango redondo
Manche rond
Manico rotondo

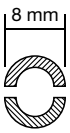




15 cm - 6″	15 cm - 6″	18 cm - 7⅛″	18 cm - 7⅛″	21 cm - 8¼″	21 cm - 8¼″
12.16.76	**12.16.78**	**12.18.86**	**12.18.88**	**12.21.96**	**12.21.98**

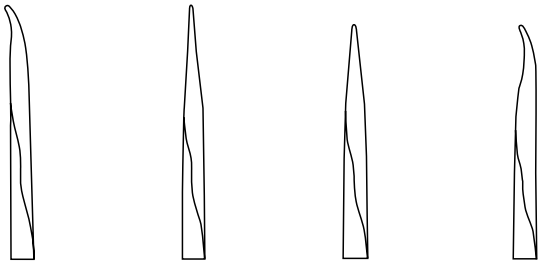
mit Sperre
with catch
con cremallera
avec crémaillère
con cremagliera





Rundgriff
Round handle
Mango redondo
Manche rond
Manico rotondo





16 cm - 6¼″	16 cm - 6¼″	18,5 cm - 7¼″	18,5 cm - 7¼″
58.16.45	**58.16.48**	**58.19.40**	**58.19.45**

Yasargil

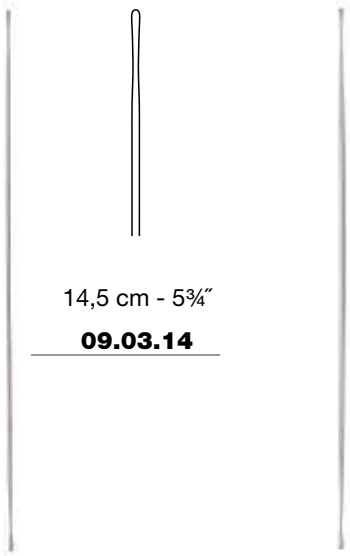




20 cm - 8″	20 cm - 8″	23 cm - 9″	23 cm - 9″
59.20.40	**59.20.45**	**59.23.42**	**59.23.45**

Yasargil

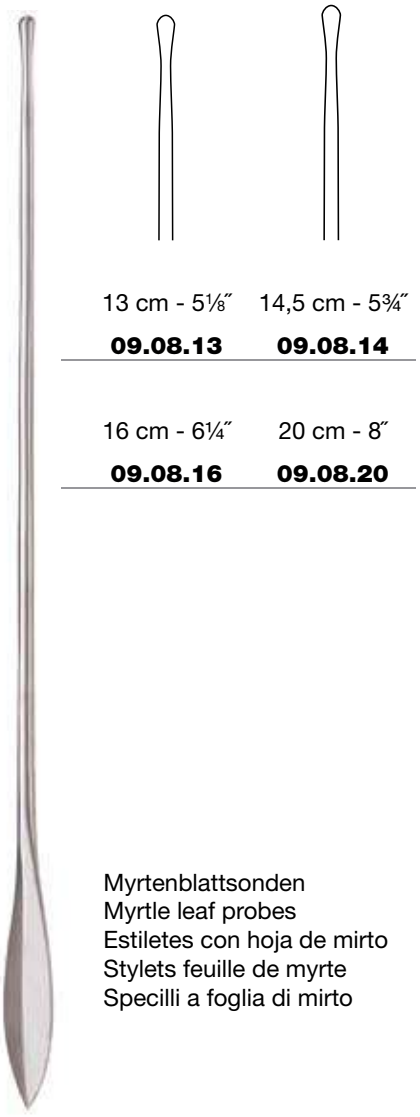
Ø 1,0 mm



14,5 cm - 5¾″
09.03.14

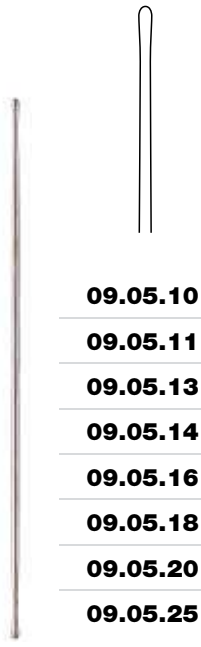
Ø 1,5 mm

09.04.10	10,5 cm - 4⅛″
09.04.11	11,5 cm - 4½″
09.04.13	13 cm - 5⅛″
09.04.14	14,5 cm - 5¾″
09.04.16	16 cm - 6¼″
09.04.18	18 cm - 7⅛″
09.04.20	20 cm - 8″
09.04.25	25 cm - 10″



13 cm - 5⅛″	14,5 cm - 5¾″
09.08.13	**09.08.14**
16 cm - 6¼″	20 cm - 8″
09.08.16	**09.08.20**

Ø 2,0 mm



09.05.10	10,5 cm - 4⅛″
09.05.11	11,5 cm - 4½″
09.05.13	13 cm - 5⅛″
09.05.14	14,5 cm - 5¾″
09.05.16	16 cm - 6¼″
09.05.18	18 cm - 7⅛″
09.05.20	20 cm - 8″
09.05.25	25 cm - 10″
09.05.30	30 cm - 11¾″

Myrtenblattsonden
Myrtle leaf probes
Estiletes con hoja de mirto
Stylets feuille de myrte
Specilli a foglia di mirto



14 cm - 5½″

09.15.84



11,5 cm - 4⅛″	13 cm - 4½″	14,5 cm - 5¾″
09.15.11	**09.15.13**	**09.15.14**
16 cm - 6¼″	18 cm - 7⅛″	20 cm - 8″
09.15.16	**09.15.18**	**09.15.20**



Ø 0,9 mm

18 cm - 7⅛″

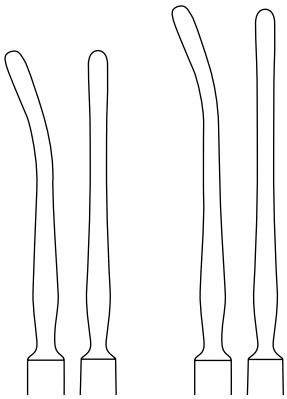
72.25.01

aus Silber
Sterling Silber
de plate pura
en argent pur
in argento puro

Speichelgangsonde
Salivary duct probe
Sonda para canal de saliva
Sonde pour conduit salivaire
Sonda per canale salivale

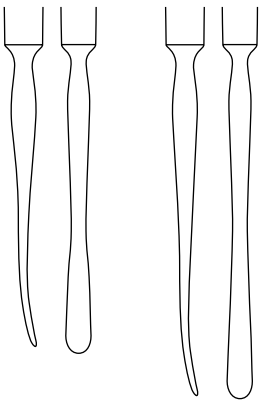
Seiffert





13 cm - 5⅛″ **09.17.13**

18 cm - 7⅛″ **09.17.18**



Watson-Cheyne



# 4/0 – 3/0	# 00 – 0	# 1 – 2
60.34.00	**60.34.01**	**60.34.02**
# 3 – 4	# 5 – 6	# 7 – 8
60.34.04	**60.34.06**	**60.34.08**

aus Neusilber
Nickel silver
de plata alemana
en maillechort
in argentone

# 4/0 – 3/0	# 00 – 0	# 1 – 2
60.34.10	**60.34.11**	**60.34.12**
# 3 – 4	# 5 – 6	# 7 – 8
60.34.14	**60.34.16**	**60.34.18**

aus Silber
Sterling silver
de plata pura
en argent pur
in argento puro

Bowman



# 00 – 0	# 1 – 2	# 3 – 4
60.34.21	**60.34.22**	**60.34.24**
# 5 – 6	# 7 – 8	
60.34.26	**60.34.28**	

aus Neusilber
Nickel silver
de plata alemana
en maillechort
in argentone

# 00 – 0	# 1 – 2	# 3 – 4
60.34.31	**60.34.32**	**60.34.34**
# 5 – 6	# 7 – 8	
60.34.36	**60.34.38**	

aus Silber
Sterling silver
de plata pura
en argent pur
in argento puro

Bowman (Williams)

Größenskala für Sonden
Size scale for probes
Escala comparativa para sondas
Echelle comparative pour sondes
Scala comparativa per sonde

fig.	0000	000	00	0	1	2	3	4	5	6	7	8
Ø mm	0.5	0.6	0.7	0.8	0.9	1.1	1.3	1.4	1.5	1.6	1.8	1.9

Ø 1,0 mm





09.20.12	12 cm - 4¾″
09.20.14	14 cm - 5½″
09.20.16	16 cm - 6¼″

spiralförmig
spiral threads
estrías espirales
striure en spirale
striatura a spirale

Frohn

Ø 1,0 mm





09.20.62	12 cm - 4¾″
09.20.64	14 cm - 5½″
09.20.66	16 cm - 6¼″

Frohn

Ø 1,2 mm





09.21.12	12 cm - 4¾″
09.21.14	14 cm - 5½″
09.21.15	15 cm - 6″
09.21.16	16 cm - 6¼″
09.21.18	18 cm - 7⅛″

kreuzgerieft
cross threads
estrías cruzadas
striure croisée
striatura incrociata

Lathbury (Farrell)

Ø 1,2 mm





09.21.62	12 cm - 4¾″
09.21.64	14 cm - 5½″
09.21.65	15 cm - 6″
09.21.66	16 cm - 6¼″
09.21.68	18 cm - 7⅛″

Lathbury (Farrell)

Ø 1,5 mm





09.22.12	12 cm - 4¾″
09.22.14	14 cm - 5½″
09.22.16	16 cm - 6¼″
09.22.18	18 cm - 7⅛″

Ø 2,0 mm





09.25.15	15 cm - 6″
09.25.18	18 cm - 7⅛″

Andrews

Ø 1,3 mm





16 cm - 6¼″

09.27.16



Uckermann

Ø 1,2 mm





09.21.72	12 cm - 4¾″
09.21.74	14 cm - 5½″
09.21.76	16 cm - 6¼″

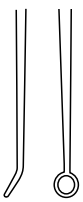
Ø 1,5 mm





18 cm - 7⅛″

09.27.18



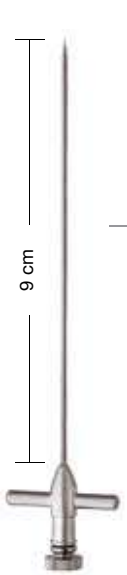
Jobson-Horne



19,5 cm – 7¾″

09.52.15

Lichtwitz



12,5 cm – 5″

09.52.10

Lichtwitz



16 cm – 6¼″

09.52.33

Coakley



Ø 0,8 mm

09.74.91

Luer-Lock



16 cm – 6¼″ Ø 3 mm

09.52.43

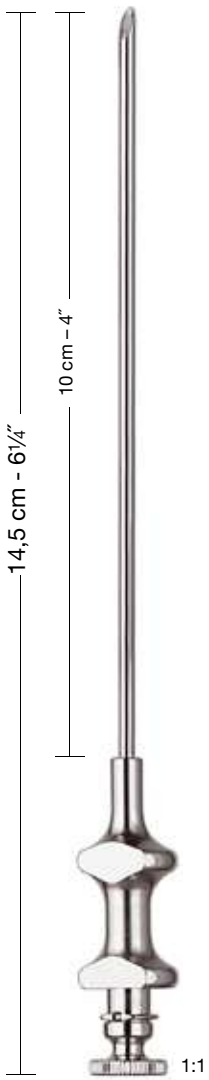
16 cm – 6¼″ Ø 4 mm

09.52.44

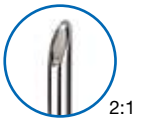
16 cm – 6¼″ Ø 5 mm

09.52.45

Pierce



Luer-Lock



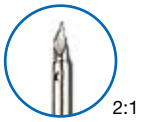


Ø 1,5 mm
09.74.15

Ø 1,8 mm
09.74.18

Ø 2,0 mm
09.74.20

Lichtwitz



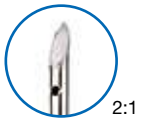


Ø 1,5 mm
09.74.45

Ø 1,8 mm
09.74.48

Ø 2,0 mm
09.74.50

Lichtwitz-Eicken





Ø 1,5 mm
09.74.75

Ø 1,8 mm
09.74.78

Ø 2,0 mm
09.74.80

Vogel



Luer-Lock

1 ml	2 ml	5 ml
09.78.31	**09.78.32**	**09.78.33**
10 ml	20 ml	50 ml
09.78.34	**09.78.35**	**09.78.37**



Luer-Lock

2 ml	5 ml
09.78.52	**09.78.53**
10 ml	20 ml
09.78.54	**09.78.55**

Ersatzzylinder
Spare barrels
Cilindros de repuesto
Cylindres de rechange
Cilindri di ricambio



Luer-Lock

1 ml	2 ml	5 ml
09.78.41	**09.78.42**	**09.78.43**
10 ml	20 ml	50 ml
09.78.44	**09.78.45**	**09.78.47**



1:1

09.79.25

Luer-Lock
♂



1:1

09.79.27

Luer-Lock
♀

Katheteransätze, konisch
Catheter fittings, conical
Adaptadores para catéteres, cónicos
Adaptateurs pour cathéters, coniques
Adattatori per cateteri, conici



1:1

Luer-Lock
♀

Ø 2 – 6 mm	Ø 5 – 9 mm
09.79.32	**09.79.35**

Durchflusshahn
Stopcock
Llave
Robinet
Rubinetto



♀ 1:1 ♂

09.79.55

Luer-Lock

Dreiwegehahn
3-way stopcock
Llave de tres vías
Robinet à trois voies
Rubinetto a tre vie



♀ 1:1 ♂

09.79.65

♀
Luer-Lock

Ø 4,0 mm



13,5 cm - 5⅜″
09.80.12
Charr. 12

Luer-Lock ♀

Adson

Ø 4,0 mm



13,5 cm - 5⅜″
09.81.32
Charr. 12

Luer-Lock ♀

Adson

Ø 4,0 mm



13,5 cm - 5⅜″
09.81.12
Charr. 12

Luer-Lock ♀

Adson



12,5 cm - 5″
09.82.08
Charr. 8

12,5 cm - 5″
09.82.10
Charr. 10

12,5 cm - 5″
09.82.12
Charr. 12

Frazier



12,5 cm - 5″
09.82.28
Charr. 8

12,5 cm - 5″
09.82.30
Charr. 10

12,5 cm - 5″
09.82.32
Charr. 12

Frazier

Maßangaben = Nutzlänge
Measurements = working length
Medidas = longitud útil
Mesures = longueur utile
Misure = lunghezza utile



Luer ♀

12,5 cm - 5″	12,5 cm - 5″
09.83.06	**09.83.08**
Charr. 6	Charr. 8
12,5 cm - 5″	12,5 cm - 5″
09.83.10	**09.83.12**
Charr. 10	Charr. 12

Frazier



Luer ♀

12,5 cm - 5″	12,5 cm - 5″
09.83.26	**09.83.28**
Charr. 6	Charr. 8
12,5 cm - 5″	12,5 cm - 5″
09.83.30	**09.83.32**
Charr. 10	Charr. 12
12,5 cm - 5″	
09.83.34	
Charr. 15	

Frazier (Fergusson)



Luer ♀

18 cm - 7⅛″	18 cm - 7⅛″
09.83.56	**09.83.58**
Charr. 6	Charr. 8
18 cm - 7⅛″	18 cm - 7⅛″
09.83.60	**09.83.62**
Charr. 10	Charr. 12

Frazier



Luer ♀

12,5 cm - 5″	12,5 cm - 5″
09.83.76	**09.83.78**
Charr. 6	Charr. 8
12,5 cm - 5″	12,5 cm - 5″
09.83.80	**09.83.82**
Charr. 10	Charr. 12

Frazier (Fergusson)

Maßangaben = Nutzlänge
Measurements = working length
Medidas = longitud útil
Mesures = longueur utile
Misure = lunghezza utile



13,5 cm - 5⅜″	13,5 cm - 5⅜″
09.84.05	**09.84.06**
Charr. 5	Charr. 6
13,5 cm - 5⅜″	13,5 cm - 5⅜″
09.84.08	**09.84.09**
Charr. 8	Charr. 9

Plester

Luer
♀

Schaft isoliert
Insulated shaft
Vástago aislado
Tige isolée
Asta isolata



12,5 cm - 5″	12,5 cm - 5″
09.83.47	**09.83.49**
Charr. 7	Charr. 9
12,5 cm - 5″	
09.83.51	
Charr. 11	

Fergusson

Luer
♀

Maßangaben = Nutzlänge
Measurements = working length
Medidas = longitud útil
Mesures = longueur utile
Misure = lunghezza utile



28 cm - 11″
74.40.05
Charr. 5

28 cm - 11“
74.40.06
Charr. 6

28 cm - 11“
74.40.07
Charr. 7

28 cm - 11“
74.40.08
Charr. 8

28 cm - 11“
74.40.09
Charr. 9

28 cm - 11“
74.40.10
Charr. 10

Torrington

Luer
♀



28 cm - 11″
09.85.00

Yankauer



09.85.12
Saugkopf allein
Suction tip only
Punta aspiradora sola
Tête aspiratrice seule
Testa aspiratrice sola



09.85.19
Schlaucholive allein
Tubing connector only
Oliva de tubos solo
Raccord olivaire seul
Raccordo olivare solo

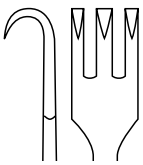
für
for
para
pour
per
09.85.00

Maßangaben = Nutzlänge
Measurements = working length
Medidas = longitud útil
Mesures = longueur utile
Misure = lunghezza utile

Feine Wundhaken, doppelendig
Delicate Retractors, double-ended
Separadores finos, dobles
Ecarteurs fins, doubles
Divaricatori delicati, doppi



7 × 9 mm

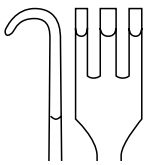


16 cm - 6¼″

20.05.08

scharf
sharp
agudo
pointu
acuto

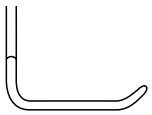
7 × 9 mm



16 cm - 6¼″

20.05.09

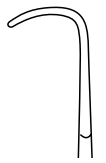
stumpf
blunt
romo
mousse
smusso



19 × 5,5 mm

Senn-Miller

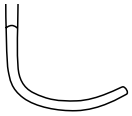
11 × 4 mm



16 cm - 6¼″

20.05.25

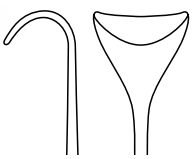




16 × 6 mm

Ragnell

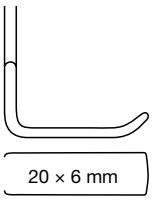
10 × 13 mm



18 cm - 7⅛″

20.05.50

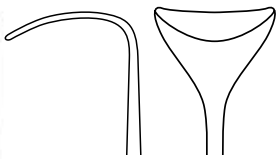




20 × 6 mm

Cope

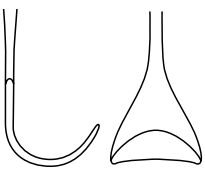
16 × 8 mm



17 cm - 6¾″

20.07.07

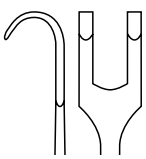




12 × 12 mm

Lukens

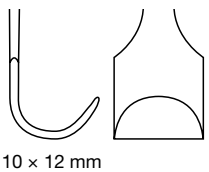
6 × 8 mm



18 cm - 7⅛″

20.07.08



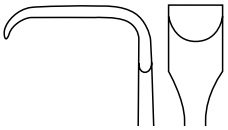


10 × 12 mm

Jackson



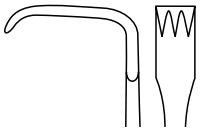
18 × 7 mm



18 cm - 7⅛″

20.10.01

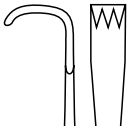
16 × 5 mm



18 cm - 7⅛″

20.10.02

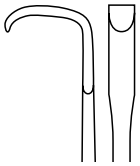
7 × 4 mm



18 cm - 7⅛″

20.10.03

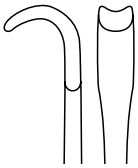
10 × 3 mm



18 cm - 7⅛″

20.10.04

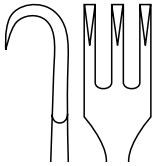
7 × 4 mm



18 cm - 7⅛″

20.10.05

6 × 10 mm

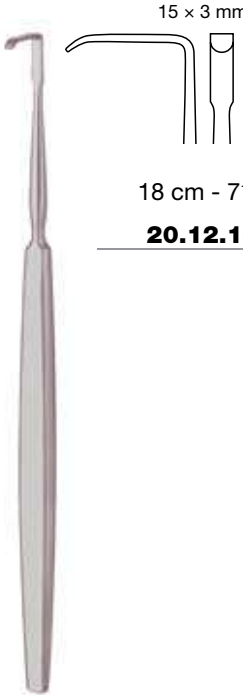


18 cm - 7⅛″

20.10.06

Meyerding

15 × 3 mm

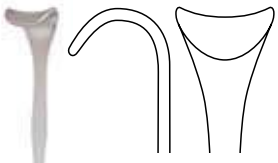


18 cm - 7⅛″

20.12.18

Lanz

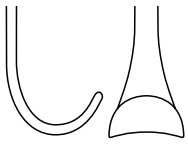
12 × 12 mm



16 cm - 6¼″

20.09.50





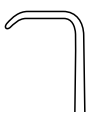
10 × 12 mm

Rose

6 mm



10 mm



20 mm



14 cm - 5½″

20.12.10

14 cm - 5½″

20.12.20

Senn-Green



25 × 6 mm

17 cm - 6¾″

20.12.25

25 × 8 mm

17 cm - 6¾″

20.12.26

Langenbeck-Green



15 × 6 mm

17 cm - 6¾″

20.12.75

18 × 6 mm

19 cm - 7½″

20.12.85

Strandell-Stille



10 × 13 mm

17 cm - 6¾″

20.15.13

10 × 16 mm

17 cm - 6¾″

20.15.16

Koenig



13 × 6 mm

21 cm - 8¼″

20.17.90

Schoenborn

Venenhaken
Vein retractors
Ganchos para venas
Ecarteurs à veines
Divaricatori per vene



Cushing

8 × 8 mm	8 × 10 mm	9 × 12 mm
20 cm - 8″	20 cm - 8″	20 cm - 8″
20.17.08	**20.17.10**	**20.17.12**
24 cm - 9½″	24 cm - 9½″	24 cm - 9½″
20.17.28	**20.17.30**	**20.17.32**

9 × 14 mm	11 × 16 mm	11 × 18 mm
20 cm - 8″	20 cm - 8″	20 cm - 8″
20.17.14	**20.17.16**	**20.17.18**
24 cm - 9½″	24 cm - 9½″	24 cm - 9½″
20.17.34	**20.17.36**	**20.17.38**



2 mm	3 mm	4 mm
14 cm – 5½″	14 cm – 5½″	14 cm – 5½″
20.22.01	**20.22.02**	**20.22.03**

Lucae



4 mm

19 cm – 7½″

20.22.31

6 mm

19 cm – 7½″

20.22.32

Cushing



2,5 mm

19 cm – 7½″

20.30.19

4 mm

19 cm – 7½″

20.30.20

Gillies

Dura- und Hauthäkchen
Dura and skin hooks
Ganchitos para duramadre y piel
Crochets à dure-mère et peau
Uncini per dura-madre e pelle



3 mm

12,5 cm - 5″

20.30.12

Frazier



4 mm

13 cm - 5⅛″

20.31.13

Straight

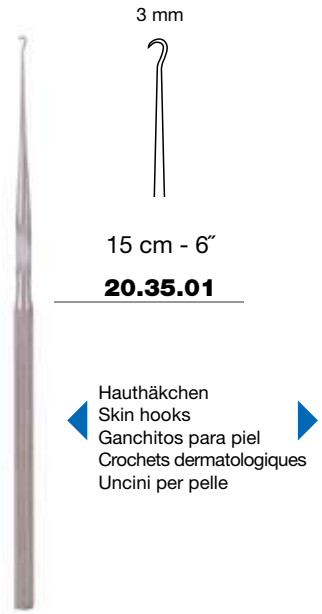


2 mm

13 cm - 5⅛″

20.31.15

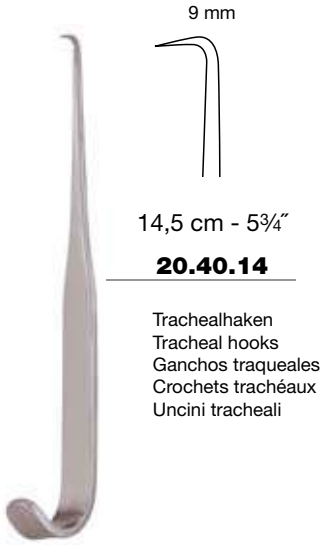
Lahey-Clinic



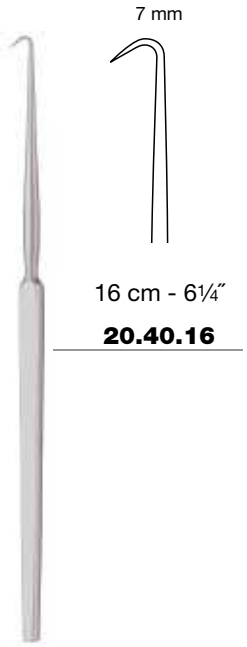
Barsky



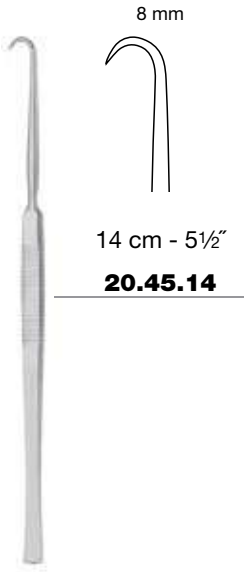
Barsky



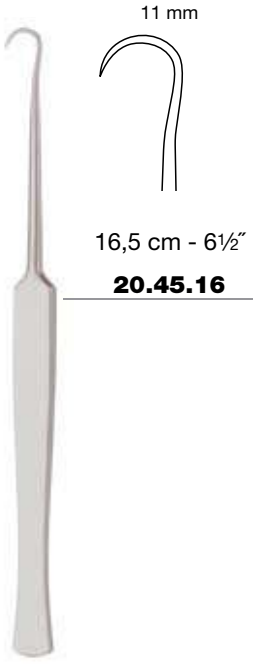
Jackson

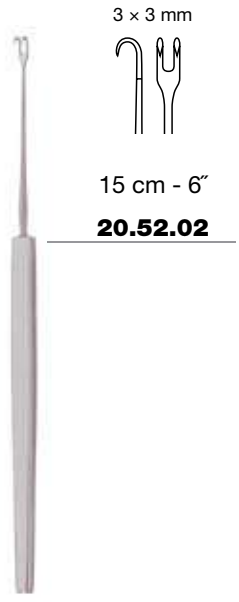


Cottle

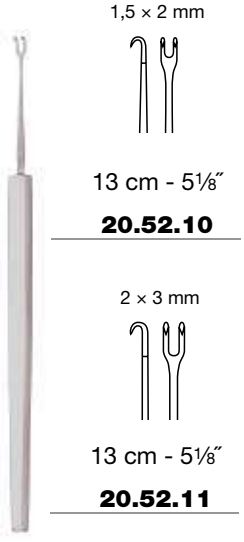


Bergmann

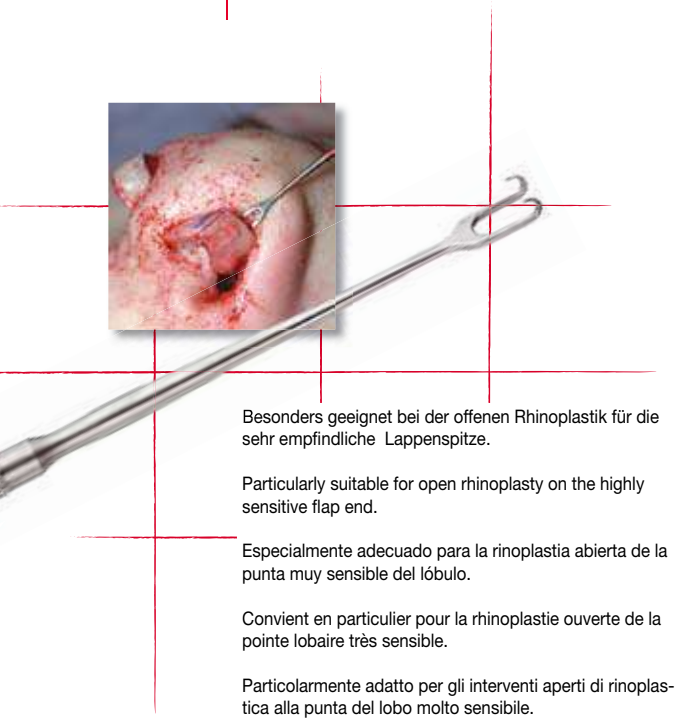




Freer



Guthrie



Besonders geeignet bei der offenen Rhinoplastik für die sehr empfindliche Lappenspitze.

Particularly suitable for open rhinoplasty on the highly sensitive flap end.

Especialmente adecuado para la rinoplastia abierta de la punta muy sensible del lóbulo.

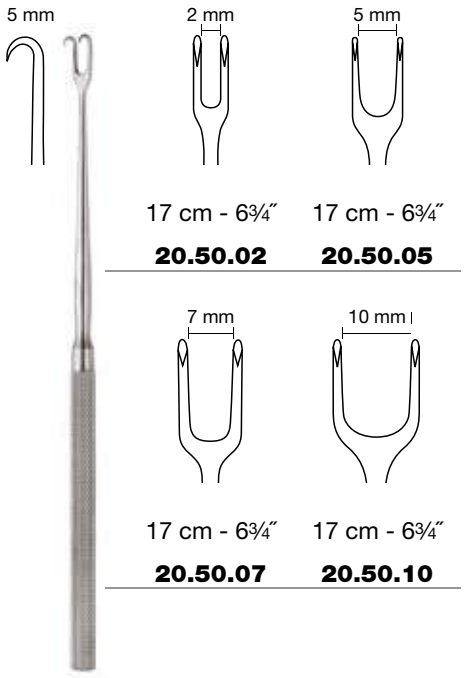
Convient en particulier pour la rhinoplastie ouverte de la pointe lobaire très sensible.

Particolarmente adatto per gli interventi aperti di rinoplastica alla punta del lobo molto sensibile.



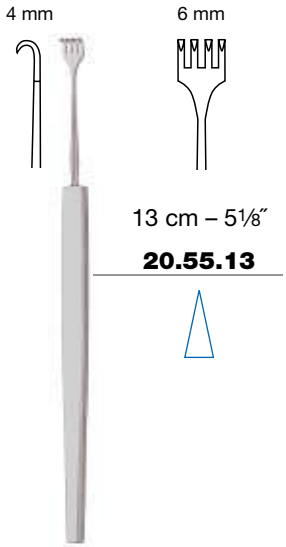
16 cm - 6¼″
20.50.01

Joseph



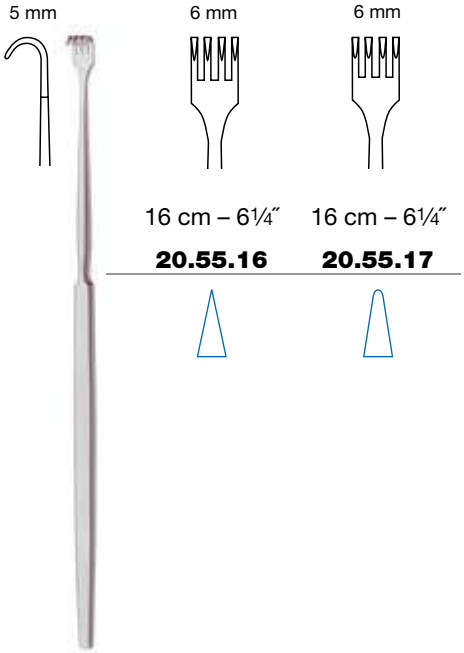
17 cm - 6¾″ **20.50.02**
17 cm - 6¾″ **20.50.05**
17 cm - 6¾″ **20.50.07**
17 cm - 6¾″ **20.50.10**

Joseph



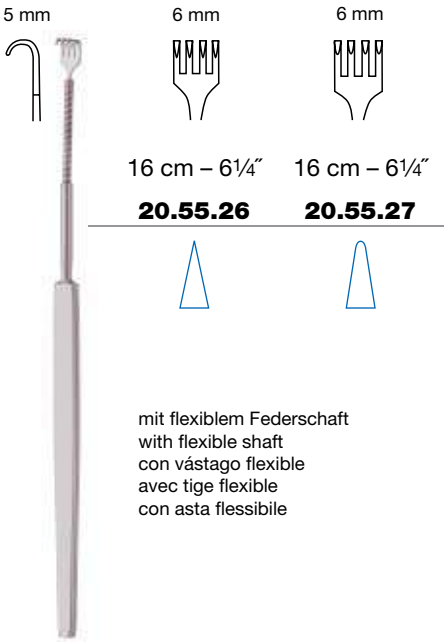
13 cm – 5⅛″
20.55.13

Rollet



16 cm – 6¼″ **20.55.16**
16 cm – 6¼″ **20.55.17**

Knapp



16 cm – 6¼″ **20.55.26**
16 cm – 6¼″ **20.55.27**

mit flexiblem Federschaft
with flexible shaft
con vástago flexible
avec tige flexible
con asta flessibile

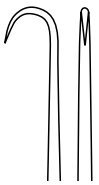
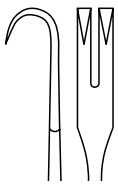
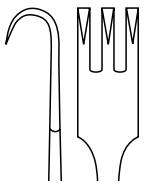
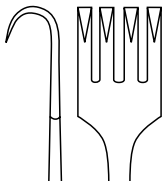
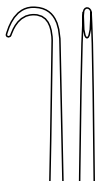
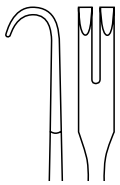
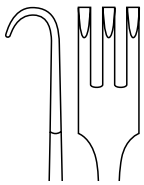
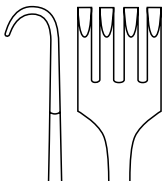
Knapp

Medicon Instrumente the art of surgery

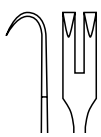
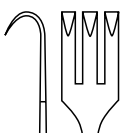
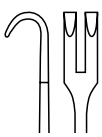
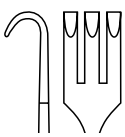
scharf
sharp
agudo
pointu
acuto

stumpf
blunt
romo
mousse
smusso



6 × 1 mm	6 × 5 mm	6 × 8 mm	6 × 11 mm
			
17 cm - 6¾″	17 cm - 6¾″	17 cm - 6¾″	17 cm - 6¾″
20.60.01	**20.60.02**	**20.60.03**	**20.60.04**
			
17 cm - 6¾″	17 cm - 6¾″	17 cm - 6¾″	17 cm - 6¾″
20.61.01	**20.61.02**	**20.61.03**	**20.61.04**



5 × 4 mm	5 × 7 mm	5 × 4 mm	5 × 7 mm
			
16 cm - 6¼″	16 cm - 6¼″	16 cm - 6¼″	16 cm - 6¼″
20.64.52	**20.64.53**	**20.65.52**	**20.65.53**
			

mit flexiblem Federschaft
with flexible shaft
con vástago flexible
avec tige flexible
con asta flessibile



scharf
sharp
agudo
pointu
acuto



stumpf
blunt
romo
mousse
smusso



9 mm	7 mm	10 mm	14 mm	
16 cm – 6¼″	16 cm – 6¼″	16 cm – 6¼″	16 cm – 6¼″	
20.64.01	**20.64.02**	**20.64.03**	**20.64.04**	
9 mm	7 mm	10 mm	14 mm	
16 cm – 6¼″	16 cm – 6¼″	16 cm – 6¼″	16 cm – 6¼″	
20.65.01	**20.65.02**	**20.65.03**	**20.65.04**	



7 mm	5 mm	8 mm	11 mm	
16 cm – 6¼″	16 cm – 6¼″	16 cm – 6¼″	16 cm – 6¼″	
20.66.01	**20.66.02**	**20.66.03**	**20.66.04**	
7 mm	5 mm	8 mm	11 mm	
16 cm – 6¼″	16 cm – 6¼″	16 cm – 6¼″	16 cm – 6¼″	
20.67.01	**20.67.02**	**20.67.03**	**20.67.04**	

scharf
sharp
agudo
pointu
acuto

stumpf
blunt
romo
mousse
smusso



10 mm	9 mm	13 mm	18 mm	28 mm	
22 cm – 8¾″		22 cm – 8¾″	22 cm – 8¾″	22 cm – 8¾″	
22.34.02		**22.34.03**	**22.34.04**	**22.34.06**	
22 cm – 8¾″		22 cm – 8¾″	22 cm – 8¾″	22 cm – 8¾″	
22.34.52		**22.34.53**	**22.34.54**	**22.34.56**	
22 cm – 8¾″		22 cm – 8¾″	22 cm – 8¾″	22 cm – 8¾″	
22.35.02		**22.35.03**	**22.35.04**	**22.35.06**	

Volkmann

scharf
sharp
agudo
pointu
acuto

stumpf
blunt
romo
mousse
smusso

halbscharf
semi sharp
semi agudo
semi pointu
semi acuto

für Oberkiefer
for upper jaw
para maxilar
pour maxillaire supérieure
per mascella



21 cm - 8¼″

68.01.97

für Unterkiefer
for lower jaw
para mandíbula
pour maxillaire inférieure
per mandibola



26 cm - 10¼″

68.01.98

Universal
universal
universal
universel
universale



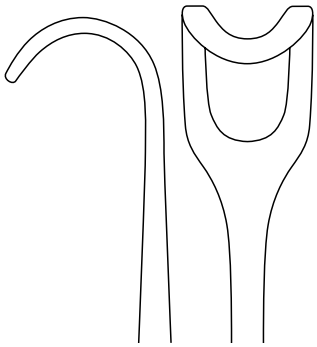
15 cm - 6″

68.01.99

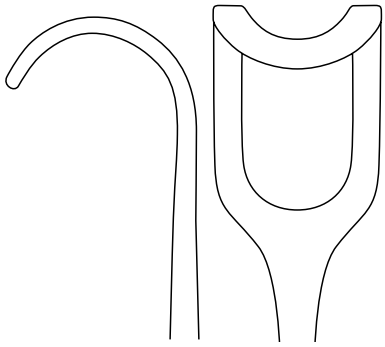


Middeldorpf

16 × 16 mm

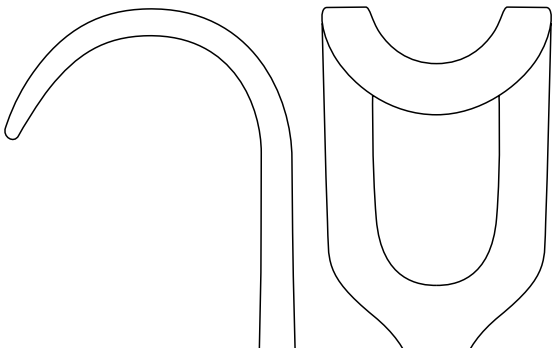


22 × 22 mm



	19,5 cm – 7¾	20,5 cm – 8″
1	**23.33.01**	**23.33.02**
	20,5 cm – 8″	22,5 cm – 9″
2	**23.33.11**	**23.33.12**

30 × 30 mm

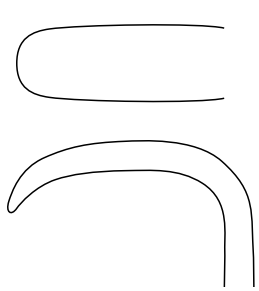


	23 cm – 9″
1	**23.33.03**
	23,5 cm – 9¼″
2	**23.33.13**



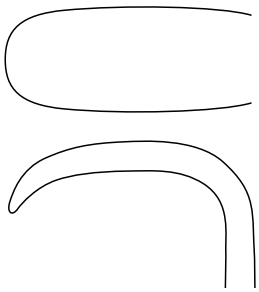
Middeldorpf





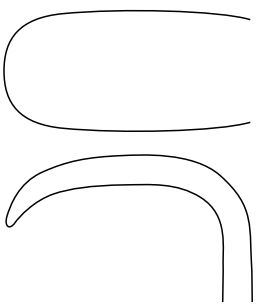
28 × 10 mm

23.05.10



28 × 14 mm

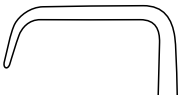
23.05.14



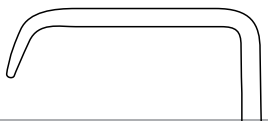
28 × 16 mm

23.05.16

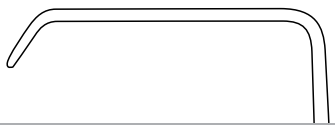
Langenbeck



20 × 7 mm
23.25.01



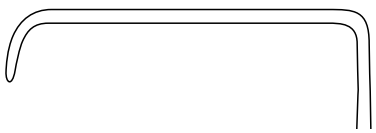
30 × 7 mm	30 × 10 mm	30 × 15 mm	30 × 20 mm
23.25.02	**23.25.03**	**23.25.04**	**23.25.05**



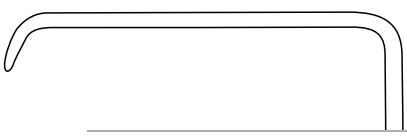
40 × 10 mm	40 × 15 mm	40 × 20 mm
23.25.06	**23.25.07**	**23.25.08**



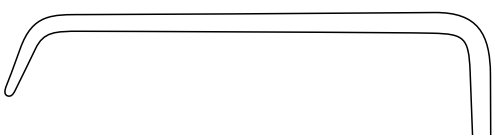
Langenbeck-Kocher



45 × 20 mm
23.25.09



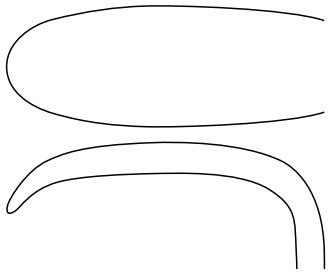
50 × 10 mm	50 × 15 mm
23.25.10	**23.25.11**



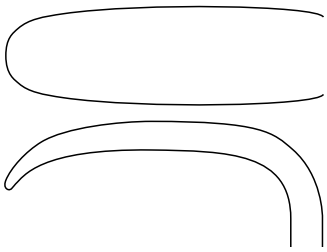
60 × 20 mm
23.25.12



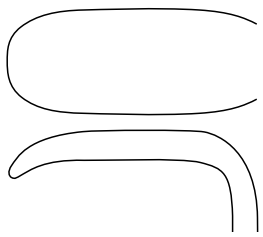
Langenbeck



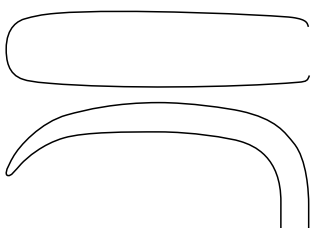
42 × 16 mm
23.06.16



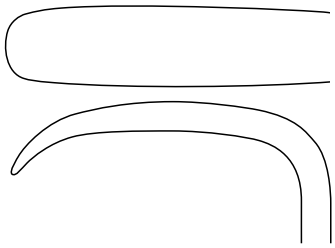
42 × 13 mm
23.06.13



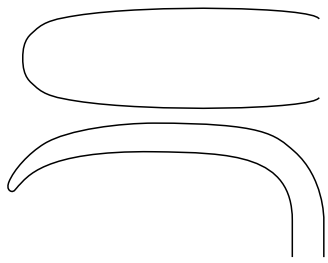
33 × 14 mm
23.06.12



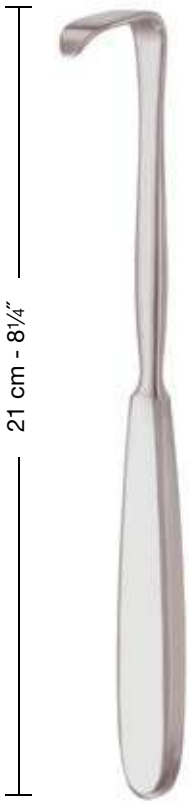
40 × 10 mm
23.06.10

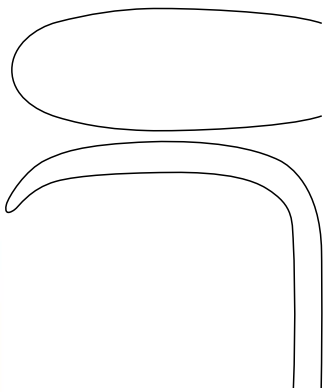


40 × 10 mm
23.07.10



42 × 13 mm
23.07.13



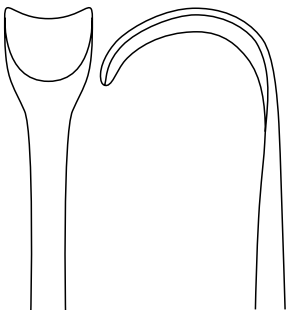


42 × 16 mm
23.07.16

Langenbeck



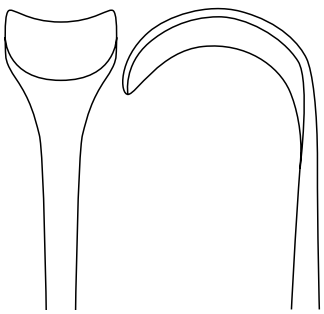
19 × 12 mm



20 cm – 8″

23.40.01

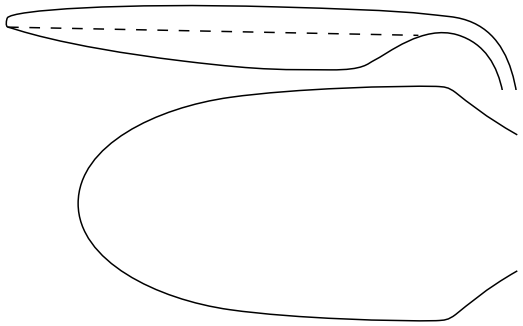
21 × 15 mm



20 cm – 8″

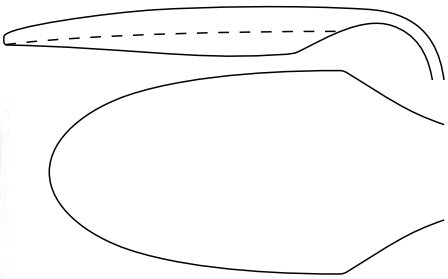
23.40.02

Kocher



19 cm – 7½″

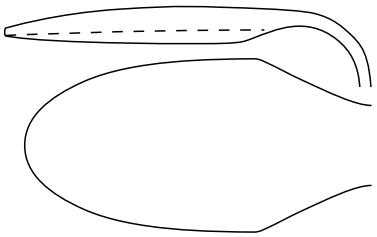
68.82.33



19 cm – 7½″

68.82.32



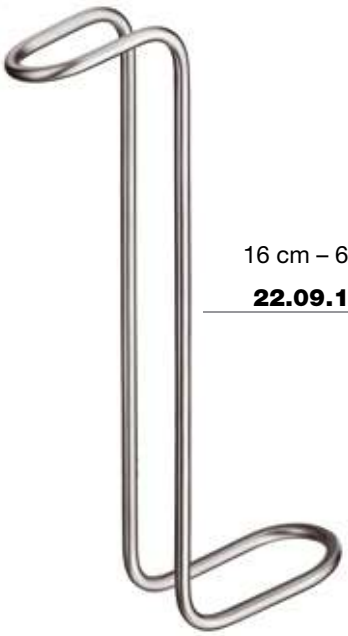


19 cm – 7½″

68.82.31

Orbitahaken
Orbital hooks
Separadores orbitales
Crochets orbitaux
Divaricatori orbitale

Kluba



16 cm – 6¼″

22.09.16

Collin-Hartmann

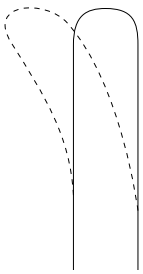


18 cm – 7⅛″

72.02.18

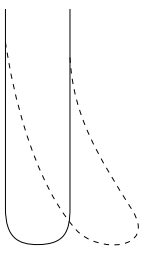
Hajek





biegsam
malleable
maleable
malléable
malleabile

6 x 200 mm	12 x 200 mm
22.00.06	**22.00.12**
17 x 200 mm	25 x 200 mm
22.00.17	**22.00.25**

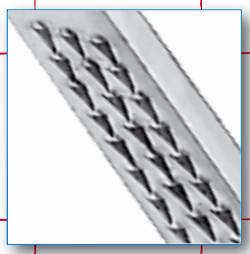




19 cm – 7½″

66.65.10

Brünings-Brunk

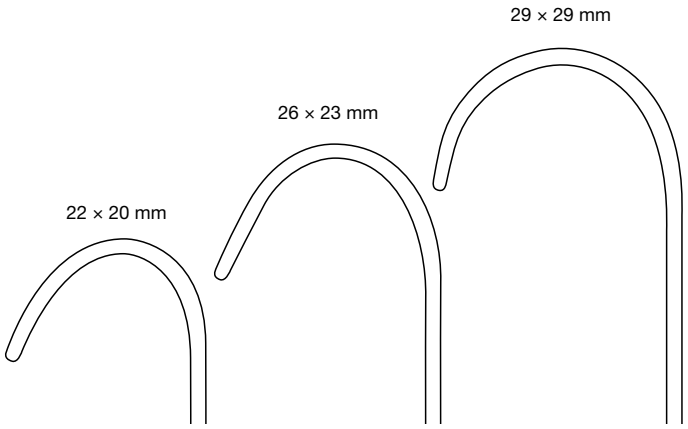




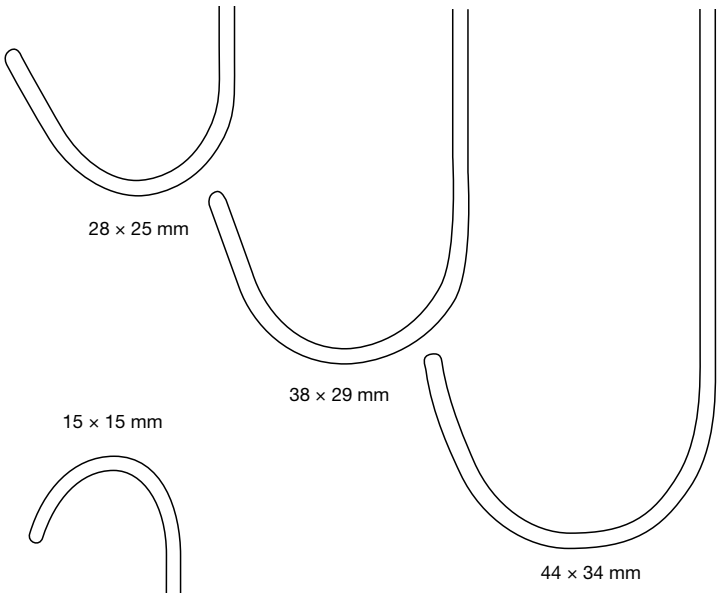
Roux

22.16.00

Satz komplett
Set complete
Juego completo
Jeu complet
Serie completa

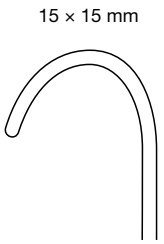


14,0 cm – 5½″ **22.16.14**
15,0 cm – 6″ **22.16.15**
16,5 cm – 6½″ **22.16.16**

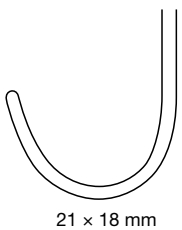




Roux-Baby



13 cm – 5⅛″ **22.16.13**





Jansen

13 mm	13 mm
10 cm – 4″	10 cm – 4″
24.13.10	**24.13.20**



Finsen

12 mm	12 mm
5 cm - 2″	5 cm - 2″
24.04.05	**24.04.06**



Finsen

12 mm	12 mm
7 cm - 2¾″	7 cm - 2¾″
24.04.07	**24.04.08**



Finsen

12 mm	12 mm
7 cm - 2¾″	7 cm - 2¾″
24.05.57	**24.05.58**



6 mm	6 mm
10 cm - 4″	10 cm - 4″
24.09.09	**24.09.10**



Alm

5 mm	5 mm	6 mm	6 mm
7 cm - 2¾″	7 cm - 2¾″	10 cm - 4″	10 cm - 4″
24.10.07	**24.10.08**	**24.10.10**	**24.10.11**

scharf
sharp
agudo
pointu
acuto

stumpf
blunt
romo
mousse
smusso



15 mm | 15 mm | 15 mm

10,5 cm - 4⅛″ | 10,5 cm - 4⅛″ | 10,5 cm - 4⅛″

24.22.10 | **24.22.11** | **24.22.12**

Weitlaner



18 mm | 18 mm | 18 mm

13 cm - 5⅛″ | 13 cm - 5⅛″ | 13 cm - 5⅛″

24.22.13 | **24.22.14** | **24.22.15**

Weitlaner



18 mm | 18 mm

16,5 cm - 6½″ | 16,5 cm - 6½″

24.22.16 | **24.22.17**

Weitlaner

scharf
sharp
agudo
pointu
acuto

stumpf
blunt
romo
mousse
smusso

halbscharf
semi sharp
semi agudo
semi pointu
semi acuto



16 mm 19 mm

11 cm – 4⅜″

24.26.01

Belucci



19 mm 16 mm

11 cm – 4⅜″

24.26.02

Belucci



16 mm

11 cm – 4⅜″

24.26.03

Plester



27 mm

12 cm – 4¾″

24.26.04

Plester



18 mm 18 mm

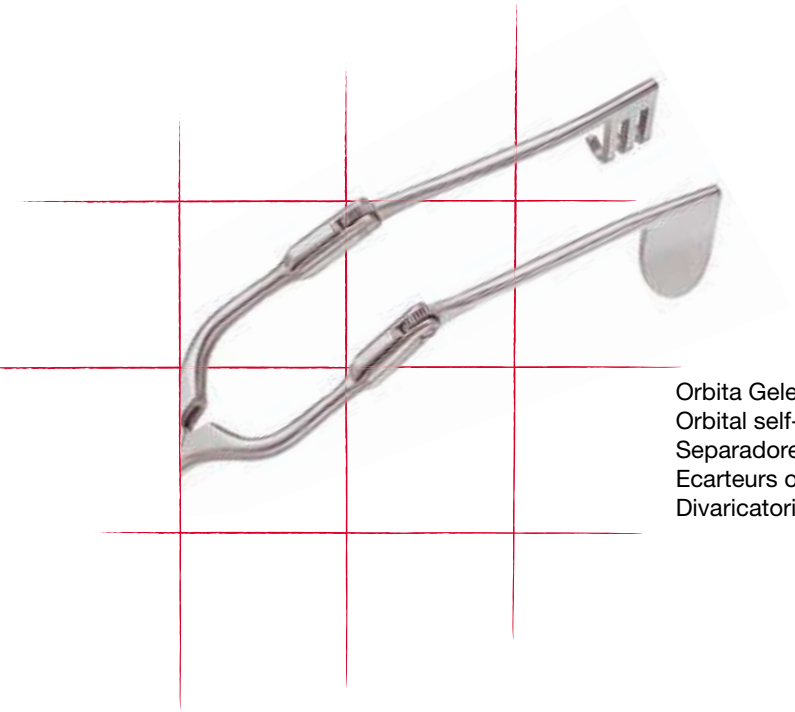
13 cm – 5⅛″ 13 cm – 5⅛″

24.26.13 **24.26.14**

Weitlaner-Wullstein

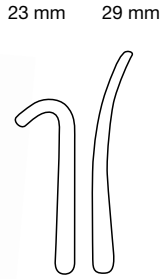
scharf
sharp
agudo
pointu
acuto

stumpf
blunt
romo
mousse
smusso



Orbita Gelenksperrer
Orbital self-retaining retractors
Separadores autoestáticos para orbita con articulación
Ecarteurs orbitaux autostatiques avec articulation
Divaricatori autostatici per orbita con articolazione

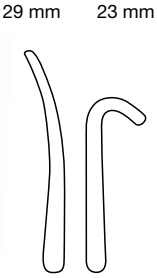




18 cm – 7⅛″

24.30.30





18 cm – 7⅛″

24.30.31



21 cm – 8¼″

13.09.52

Durham



21 cm – 8¼″

13.09.53

Durham



15 cm – 6″

13.11.14

Kronecker



15 cm – 6″

13.11.15

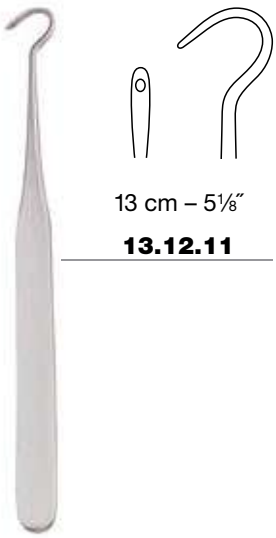
Kronecker



für die linke Hand
for left hand
para la mano izquierda
pour la main gauche
per la mano sinistra

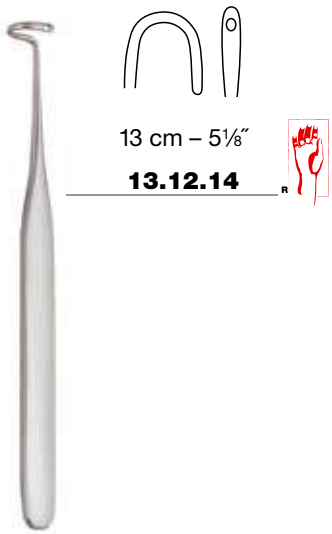


für die rechte Hand
for right hand
para la mano derecha
pour la main droite
per la mano destra



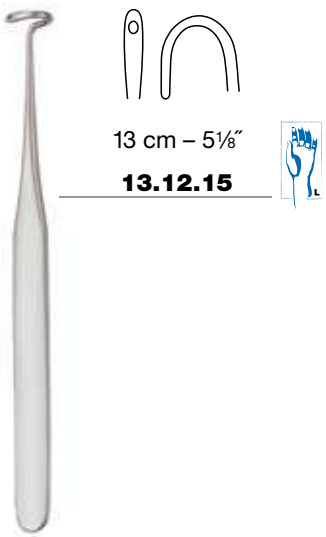
13 cm – 5⅛″

13.12.11



13 cm – 5⅛″

13.12.14



13 cm – 5⅛″

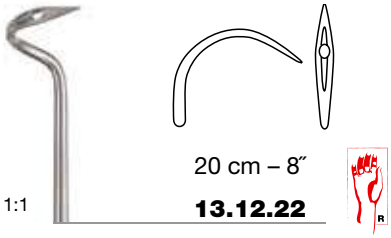
13.12.15

für die linke Hand
for left hand
para la mano izquierda
pour la main gauche
per la mano sinistra

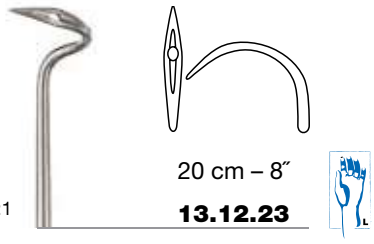
für die rechte Hand
for right hand
para la mano derecha
pour la main droite
per la mano destra



1:1

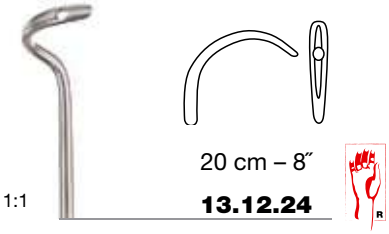


1:1 20 cm – 8″ **13.12.22**

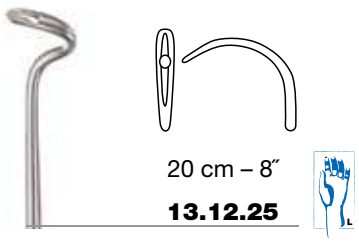


1:1 20 cm – 8″ **13.12.23**

Deschamps-Baby

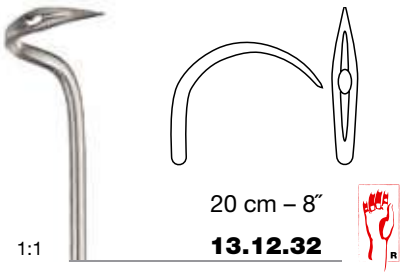


1:1 20 cm – 8″ **13.12.24**

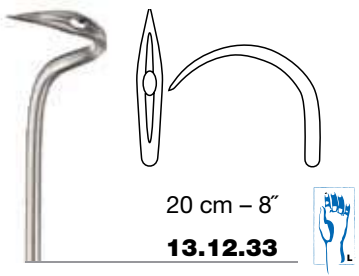


1:1 20 cm – 8″ **13.12.25**

Deschamps-Baby



1:1 20 cm – 8″ **13.12.32**



1:1 20 cm – 8″ **13.12.33**

Deschamps



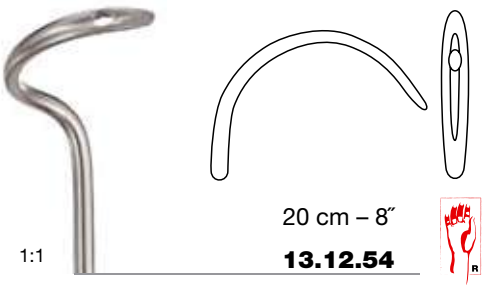
für die linke Hand
for left hand
para la mano izquierda
pour la main gauche
per la mano sinistra

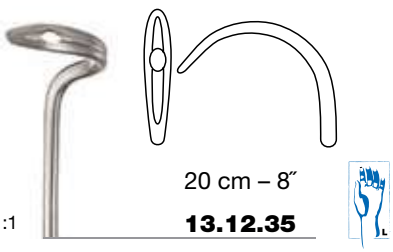


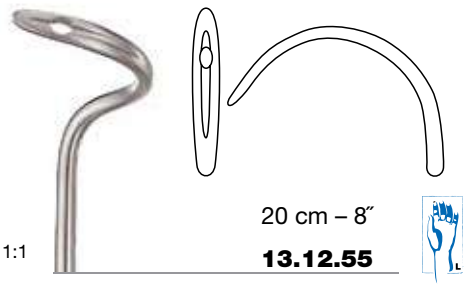
für die rechte Hand
for right hand
para la mano derecha
pour la main droite
per la mano destra

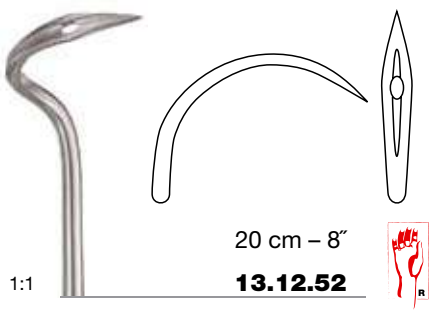

1:1


20 cm – 8″
1:1
13.12.34


20 cm – 8″
1:1
13.12.54


20 cm – 8″
1:1
13.12.35


20 cm – 8″
1:1
13.12.55

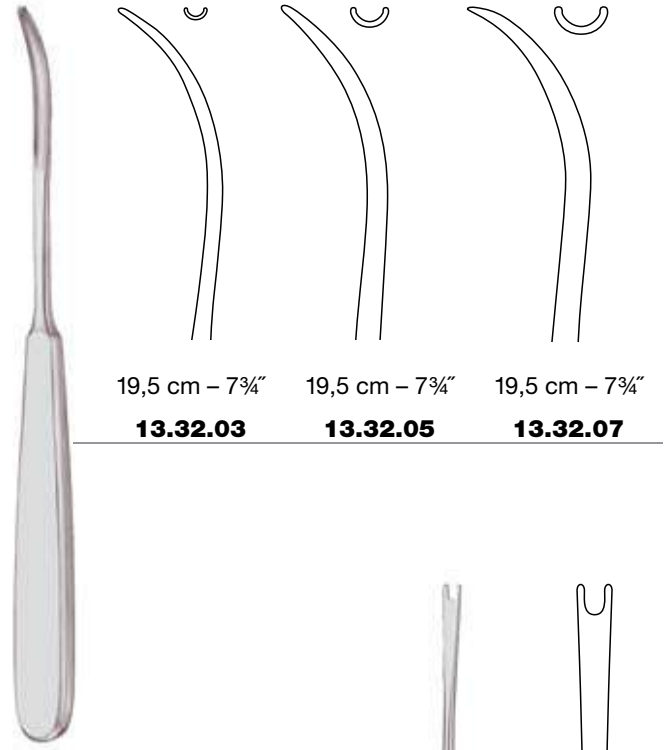

20 cm – 8″
1:1
13.12.52


20 cm – 8″
1:1
13.12.53

Deschamps

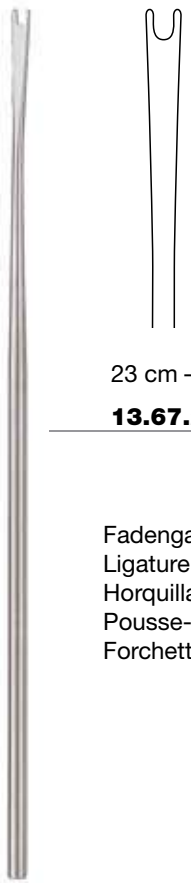
für die linke Hand
for left hand
para la mano izquierda
pour la main gauche
per la mano sinistra

für die rechte Hand
for right hand
para la mano derecha
pour la main droite
per la mano destra



Koenig

19,5 cm – 7¾″	19,5 cm – 7¾″	19,5 cm – 7¾″
13.32.03	**13.32.05**	**13.32.07**



23 cm – 9″

13.67.23

Fadengabel
Ligature adjuster
Horquilla de hilos
Pousse-fil
Forchetta da sutura



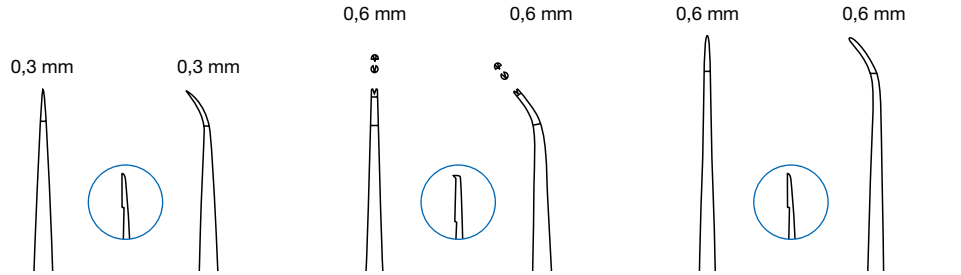
23,5 cm – 9¼″

13.67.24

Fadenfänger
Ligature catcher
Saca-hilos
Porte-ligature
Portalegature

Mod. Wien

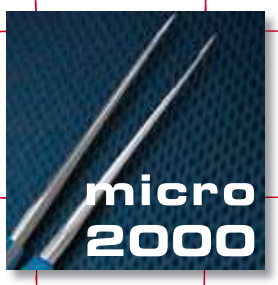




15 cm - 6″	15 cm - 6″	15 cm - 6″	15 cm - 6″	18 cm - 7⅛″	18 cm - 7⅛″
13.71.42	**13.71.43**	**13.71.58**	**13.71.59**	**13.71.82**	**13.71.83**

Leichtmetall-Instrumente mit blau eloxierten Rundgriffen
Light-weight instruments with blue anodized round handles
Instrumentos de metal ligero con mangos redondos anodizados azul
Instruments en métal léger, avec manches ronds anodisés en bleu
Strumenti di metallo leggero con manici rotondi, anodizzati azzurri

micro 2000



- geringes Gewicht
- gut ausbalanciert
- ermüdungsfreies Arbeiten

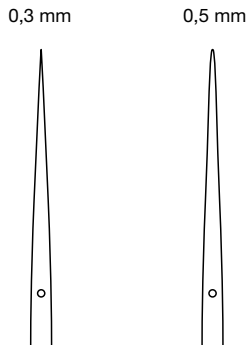
- extremely light weight
- well balanced
- fatigueless working

- peso muy ligero
- bien equilibrados
- trabajo sin fatiga

- poids léger
- bien équilibrés
- travail sans fatigue

- peso minimo
- equilibrio perfetto
- non affaticano la mano

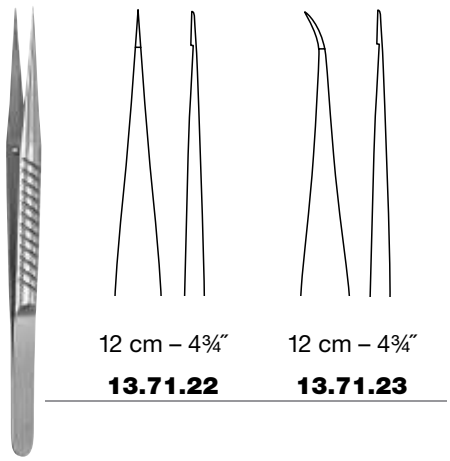




20 cm – 8″	20 cm – 8″
58.20.60	**58.20.64**
spitz sharp aguda pointue acuta	stumpf blunt romo mousse smusso

micro 2000

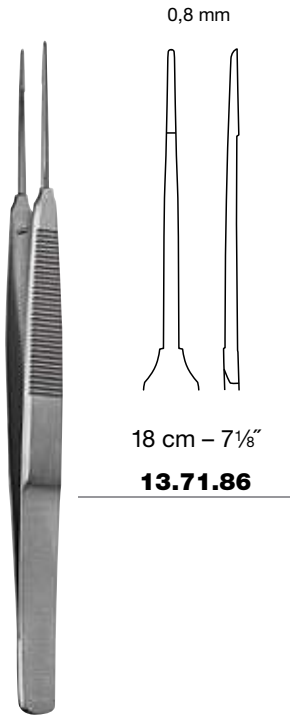




12 cm – 4¾″ | 12 cm – 4¾″

13.71.22 | **13.71.23**

micro 2000

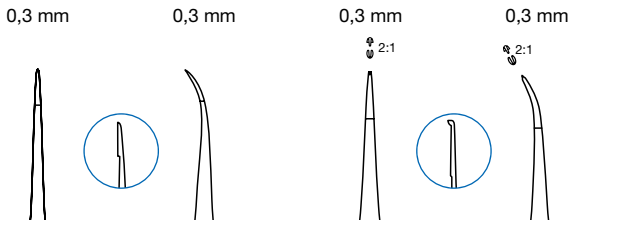


18 cm – 7⅛″

13.71.86

Austin





12 cm - 4¾″	12 cm - 4¾″	12 cm - 4¾″	12 cm - 4¾″
13.71.50	**13.71.51**	**13.71.52**	**13.71.53**
15 cm - 6″	15 cm - 6″	15 cm - 6″	15 cm - 6″
13.71.60	**13.71.61**	**13.71.62**	**13.71.63**
18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″
13.71.70	**13.71.71**	**13.71.72**	**13.71.73**

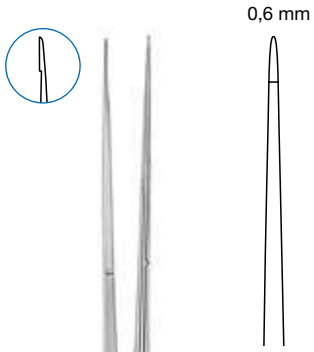




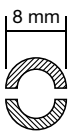
15 cm – 6″	15 cm – 6″
13.71.05	**13.71.15**
18 cm – 7⅛″	18 cm – 7⅛″
13.71.08	**13.71.18**
21 cm – 8¼″	21 cm – 8¼″
13.71.11	**13.71.21**

mit Gewicht
with weight
con peso
avec poids
con peso



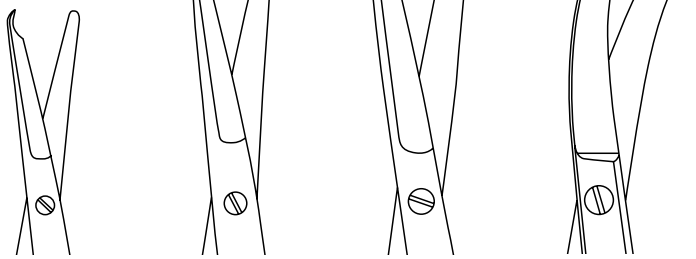


23 cm - 9″
13.71.84



Rundgriff
Round handle
Mango redondo
Manche rond
Manico rotondo

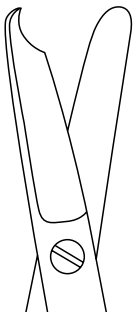




	9 cm - 3½″	10,5 cm - 4⅛″	12 cm - 4¾″	12 cm – 4¾″
standard	**14.06.09**	**14.06.10**	**14.06.12**	**14.07.12**
"HM"		**14.06.60**	**14.06.62**	

Spencer



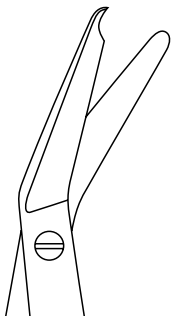


13 cm - 5⅛″

standard	**14.06.13**

Littauer





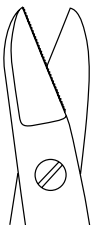
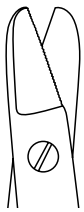
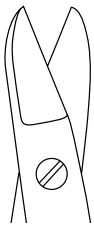
15 cm – 6″

standard	**14.07.15**

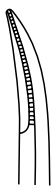
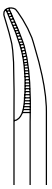
Locklin



Beebee


10,5 cm – 4⅛″ **14.24.10** | 10,5 cm – 4⅛″ **14.24.20** | 10,5 cm – 4⅛″ **14.26.10** | 10,5 cm – 4⅛″ **14.26.20**

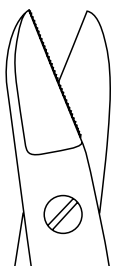
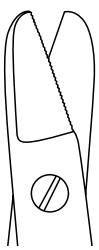
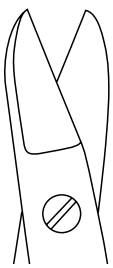





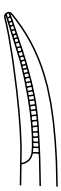
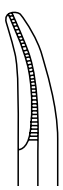
10,5 cm – 4⅛″ **14.25.10** | 10,5 cm – 4⅛″ **14.25.20** | 10,5 cm – 4⅛″ **14.27.10** | 10,5 cm – 4⅛″ **14.27.20**



Beebee

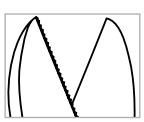





12,5 cm – 5″ **14.24.12** | 12,5 cm – 5″ **14.24.22** | 12,5 cm – 5″ **14.26.12** | 12,5 cm – 5″ **14.26.22**

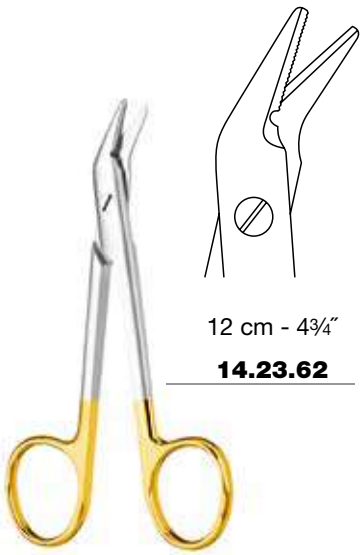





12,5 cm – 5″ **14.25.12** | 12,5 cm – 5″ **14.25.22** | 12,5 cm – 5″ **14.27.12** | 12,5 cm – 5″ **14.27.22**



gezahnte Schneide
serrated cutting edge
hoja dentada
lame dentelée
lama dentellata



12 cm - 4¾″

14.23.62

Universal "HM"

0,3 mm 0,8 mm



13 cm – 5⅛″

14.20.10

Harvey



12 cm – 4¾″

14.23.12

Universal

max. Ø	harte Drähte hard wires alambres duros fils durs fili duri
max. Ø	weiche Drähte soft wires alambres blandos fils mous fili molli



15 cm – 6″

14.40.65

Niro "HM"



17 cm – 6¾″

14.44.67

Medicon "HM"

"HM" = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno





14 cm – 5½″

14.46.14

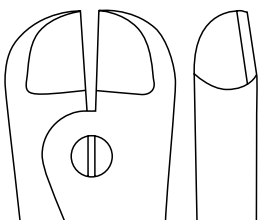




16 cm – 6¼″

390.70.20



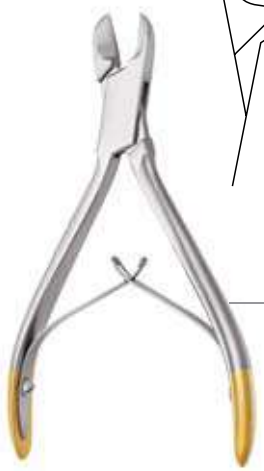


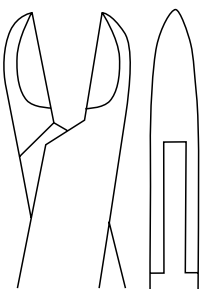
17,5 cm – 7″

14.30.17

“HM”

1,6 mm 2,0 mm





12 cm - 4¾″

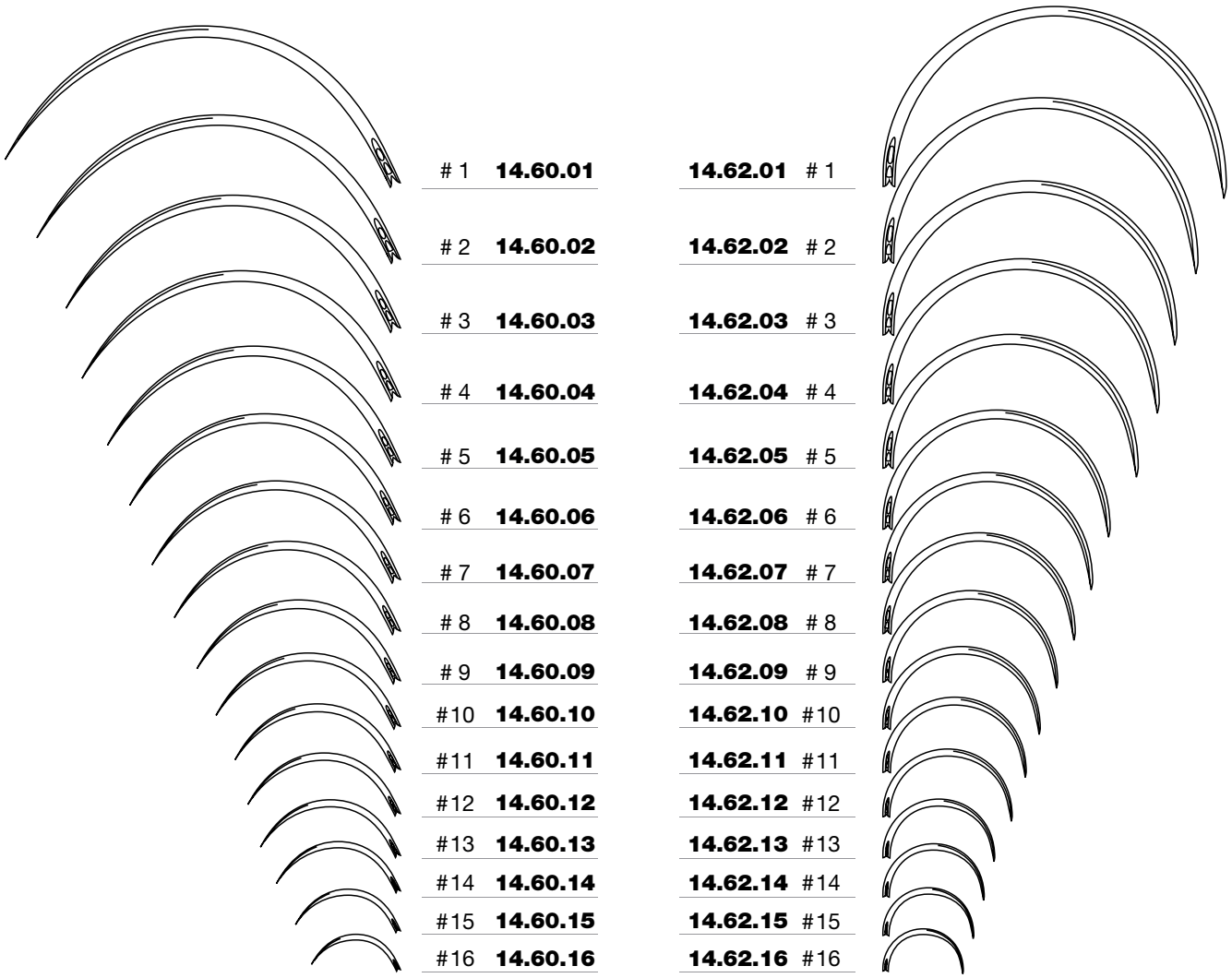
14.30.11

“HM”

0,6 mm 1,0 mm

max. Ø	harte Drähte hard wires alambres duros fils durs fili duri
max. Ø	weiche Drähte soft wires alambres blandos fils mous fili molli

“HM” = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno

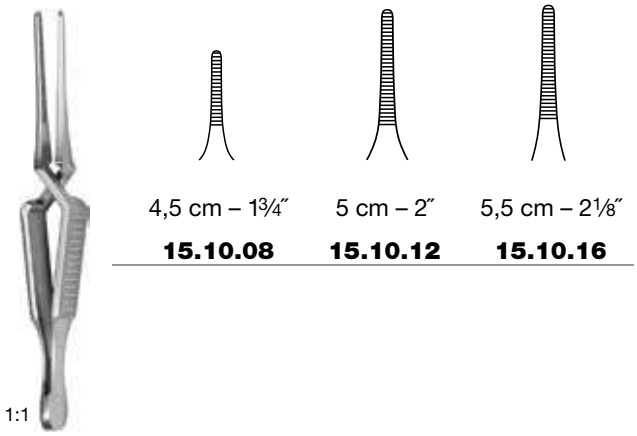


# 1	**14.60.01**	**14.62.01**	# 1
# 2	**14.60.02**	**14.62.02**	# 2
# 3	**14.60.03**	**14.62.03**	# 3
# 4	**14.60.04**	**14.62.04**	# 4
# 5	**14.60.05**	**14.62.05**	# 5
# 6	**14.60.06**	**14.62.06**	# 6
# 7	**14.60.07**	**14.62.07**	# 7
# 8	**14.60.08**	**14.62.08**	# 8
# 9	**14.60.09**	**14.62.09**	# 9
#10	**14.60.10**	**14.62.10**	#10
#11	**14.60.11**	**14.62.11**	#11
#12	**14.60.12**	**14.62.12**	#12
#13	**14.60.13**	**14.62.13**	#13
#14	**14.60.14**	**14.62.14**	#14
#15	**14.60.15**	**14.62.15**	#15
#16	**14.60.16**	**14.62.16**	#16

B gebogen ⅜ Kreis
curved ⅜ circle
curvas ⅜ círculo
courbes ⅜ cercle
curvi ⅜ cerchio

gebogen ½ Kreis
curved ½ circle
curvas ½ círculo
courbes ½ cercle
curvi ½ cerchio **G**

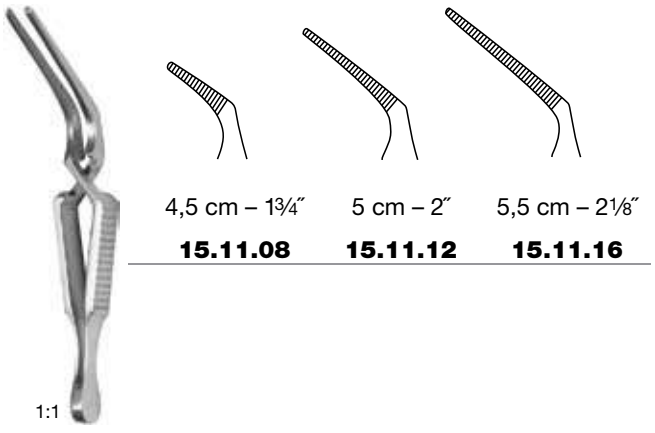
Verpackungseinheit 12 Stück
Packing unit 12 pieces
Paquete de 12 unidades
Emballage de 12 pièces
Confezione da 12 pezzi



4,5 cm – 1¾″	5 cm – 2″	5,5 cm – 2⅛″
15.10.08	**15.10.12**	**15.10.16**

1:1

Diethrich



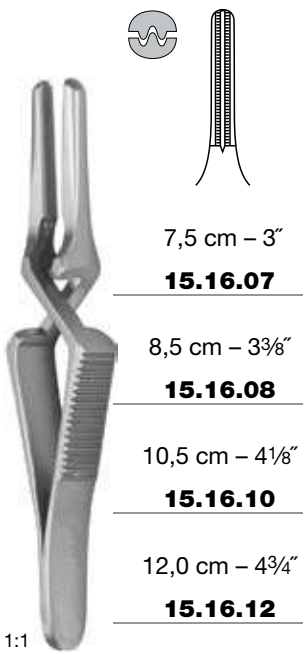
4,5 cm – 1¾″	5 cm – 2″	5,5 cm – 2⅛″
15.11.08	**15.11.12**	**15.11.16**

1:1

Diethrich

100g	Schließdruck Closing pressure Presión de cierre Force de fermeture Pressione di chiusura	**3g**	Gewicht Weight Peso Poids Peso

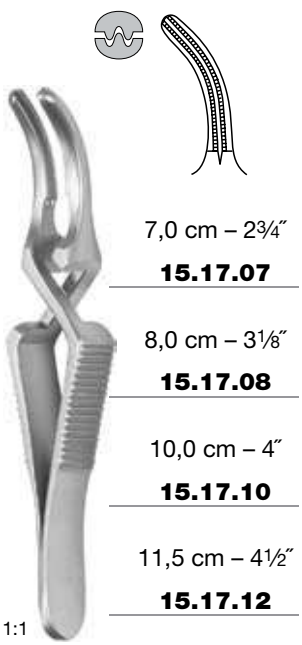
Bulldog-Klemmen
Bulldog clamps
Clamps Bulldog
Clamps Bulldog
Pinze Bulldog



7,5 cm – 3″	8,5 cm – 3⅜″	10,5 cm – 4⅛″	12,0 cm – 4¾″
15.16.07	**15.16.08**	**15.16.10**	**15.16.12**

1:1

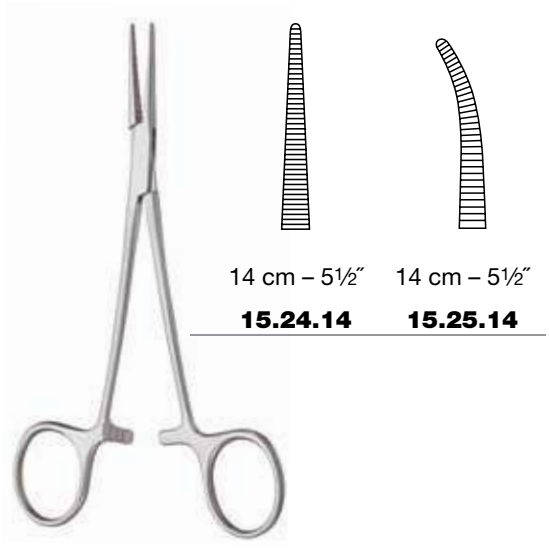
DeBakey “AT”



7,0 cm – 2¾″	8,0 cm – 3⅛″	10,0 cm – 4″	11,5 cm – 4½″
15.17.07	**15.17.08**	**15.17.10**	**15.17.12**

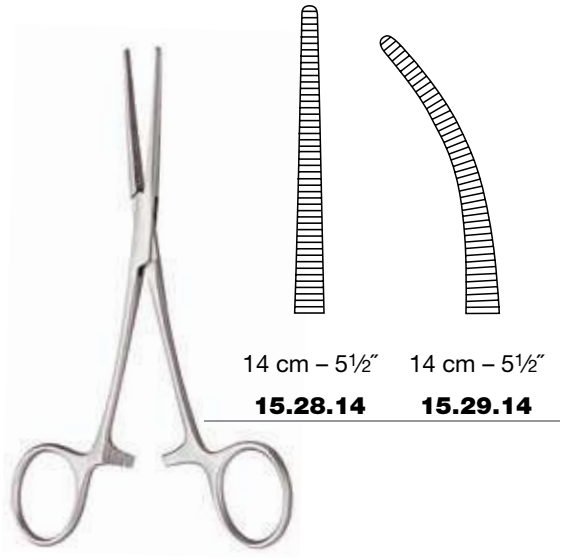
1:1

DeBakey “AT”



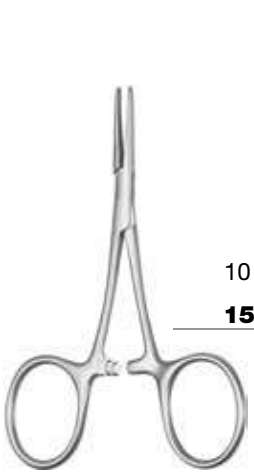
14 cm – 5½″	14 cm – 5½″
15.24.14	**15.25.14**

Crile-Baby



14 cm – 5½″	14 cm – 5½″
15.28.14	**15.29.14**

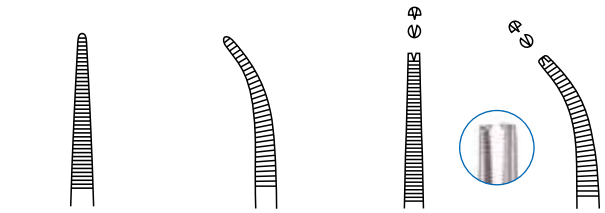
Pean-Baby



10 cm – 4″	10 cm – 4″	10 cm – 4″	10 cm – 4″
15.32.09	**15.33.09**	**15.34.09**	**15.35.09**

Hartmann
(Baby-Mosquito)





12,5 cm - 5″	12,5 cm - 5″	12,5 cm - 5″	12,5 cm - 5″
15.40.12	**15.41.12**	**15.42.12**	**15.43.12**

- superfeine Modelle
- höchste Präzision
- geringes Gewicht

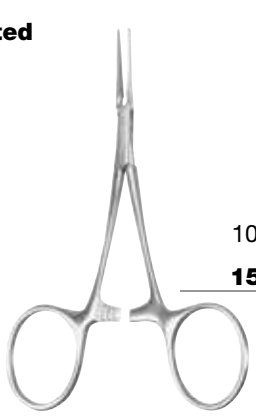
- ultra delicate models
- highest precision
- light weight

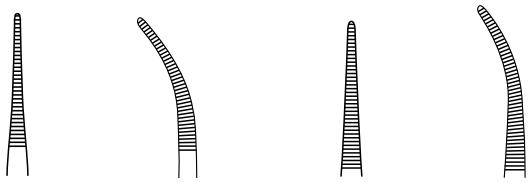
- modelos super finos
- máxima precisión
- peso ligero

- modèles superfins
- précision maximum
- poids léger

- modelli molto delicati
- alta precisione
- peso minimo

Micro-Halsted

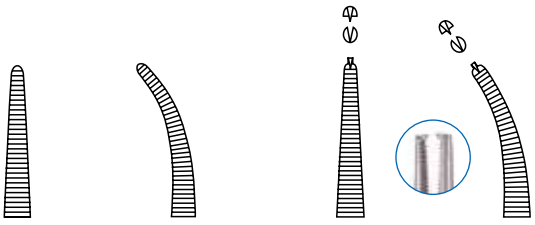




10 cm - 4″	10 cm - 4″	12,5 cm - 5″	12,5 cm - 5″
15.44.10	**15.45.10**	**15.44.22**	**15.45.22**

ULTRA



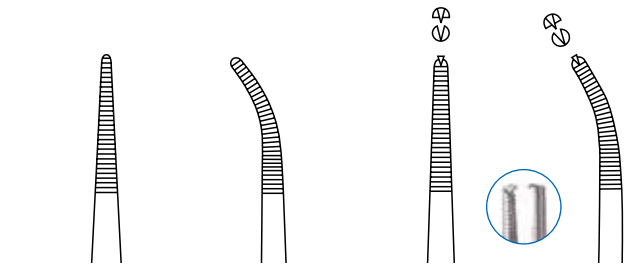


12,5 cm - 5″	12,5 cm - 5″	12,5 cm - 5″	12,5 cm - 5″
15.44.12	**15.45.12**	**15.46.12**	**15.47.12**
15.44.32	**15.45.32**	**15.46.32**	**15.47.32**

Ti Titanium

Halsted-Mosquito

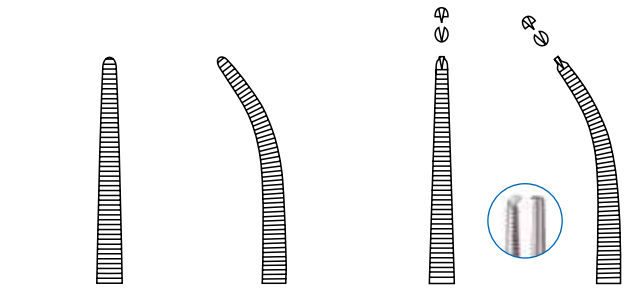




14 cm - 5½″	14 cm - 5½″	14 cm - 5½″	14 cm - 5½″
15.50.14	**15.51.14**	**15.52.14**	**15.53.14**

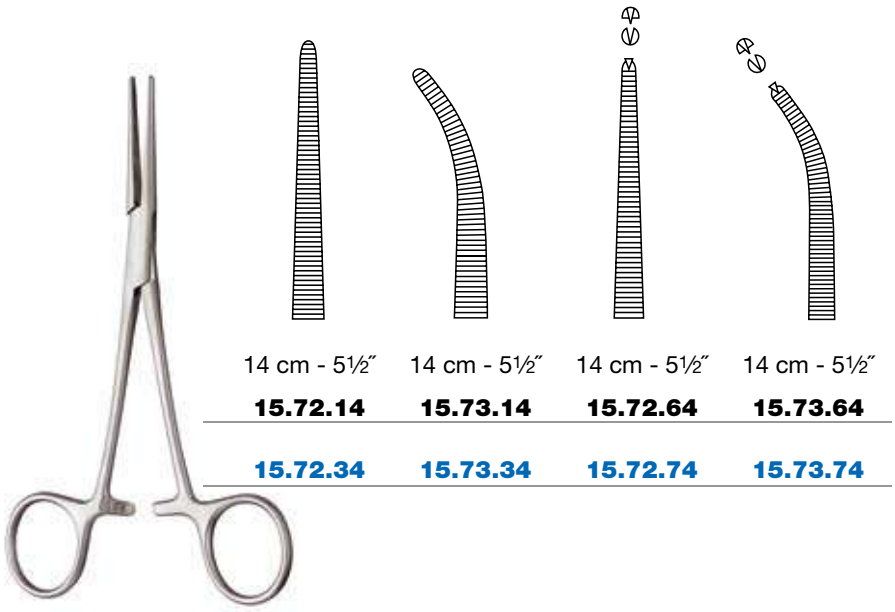
Providence-Hospital





15 cm - 6″	15 cm - 6″	15 cm - 6″	15 cm - 6″
15.56.15	**15.57.15**	**15.58.15**	**15.59.15**

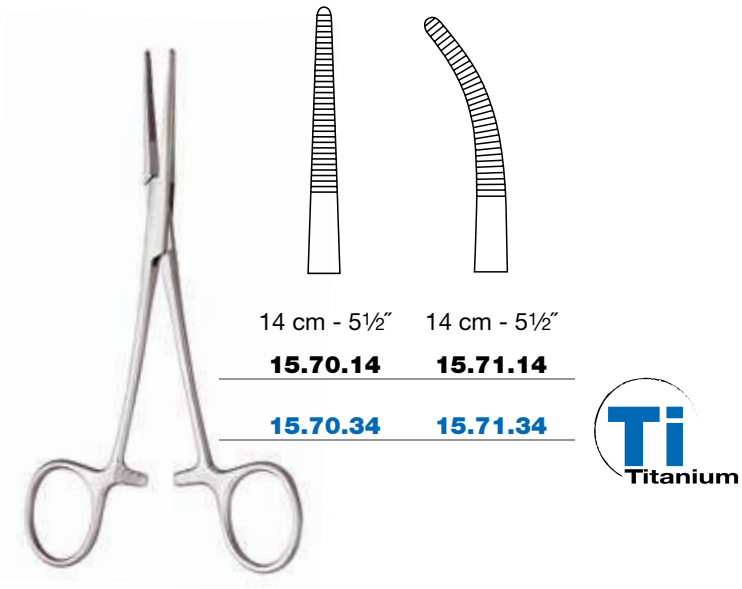
Leriche



14 cm - 5½″	14 cm - 5½″	14 cm - 5½″	14 cm - 5½″
15.72.14	**15.73.14**	**15.72.64**	**15.73.64**
15.72.34	**15.73.34**	**15.72.74**	**15.73.74**

Titanium

Crile

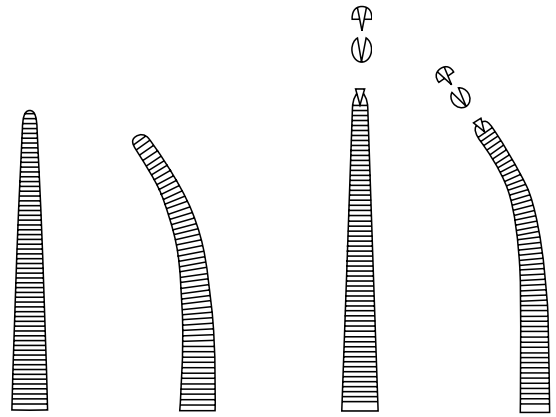


14 cm - 5½″	14 cm - 5½″
15.70.14	**15.71.14**
15.70.34	**15.71.34**

Titanium

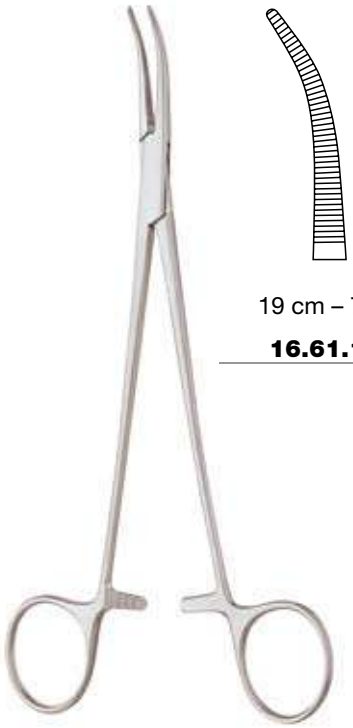
Kelly





16 cm - 6¼″	16 cm - 6¼″	16 cm - 6¼″	16 cm - 6¼″
15.72.16	**15.73.16**	**15.72.66**	**15.73.66**

Rankin-Crile

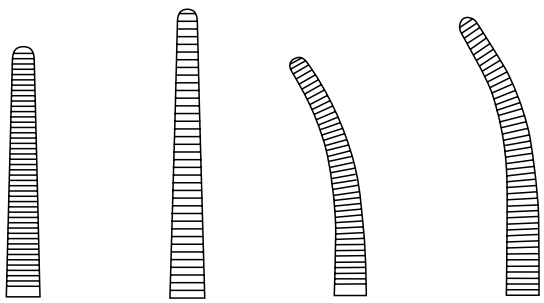


19 cm – 7½″

16.61.19

Fuchsig

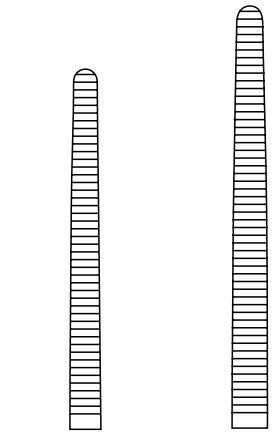




13 cm – 5⅛″	14 cm – 5½″	13 cm – 5⅛″	14 cm – 5½″
16.10.13	**16.10.14**	**16.11.13**	**16.11.14**

Pean



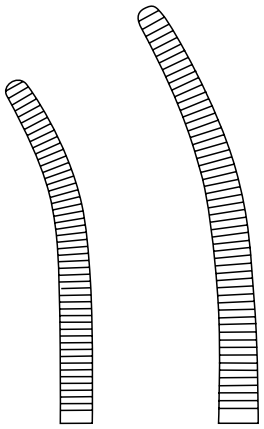


16 cm – 6¼″ 18 cm – 7⅛″

16.10.16 **16.10.18**

Rochester-Pean



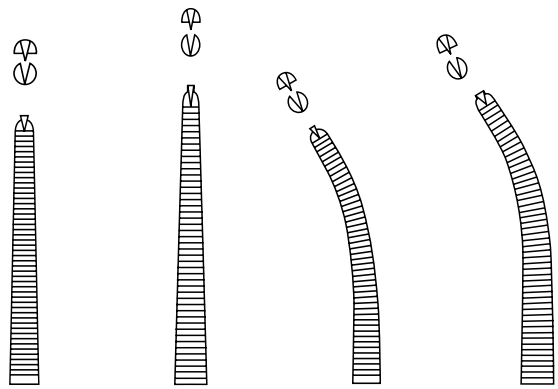


16 cm – 6¼″ 18 cm – 7⅛″

16.11.16 **16.11.18**

Rochester-Pean



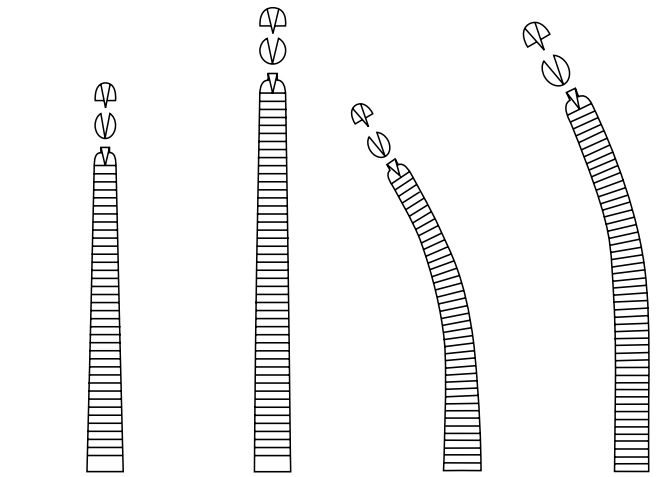


13 cm – 5⅛″ 14 cm – 5½″ 13 cm – 5⅛″ 14 cm – 5½″

16.12.13 **16.12.14** **16.13.13** **16.13.14**

Kocher

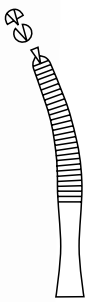




16 cm – 6¼″	18 cm – 7⅛″	16 cm – 6¼″	18 cm – 7⅛″
16.12.16	**16.12.18**	**16.13.16**	**16.13.18**

Rochester-Ochsner





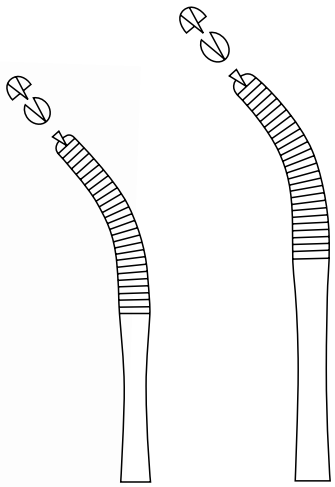
14,5 cm – 5¾″

16.85.14

Mikulicz-Baby

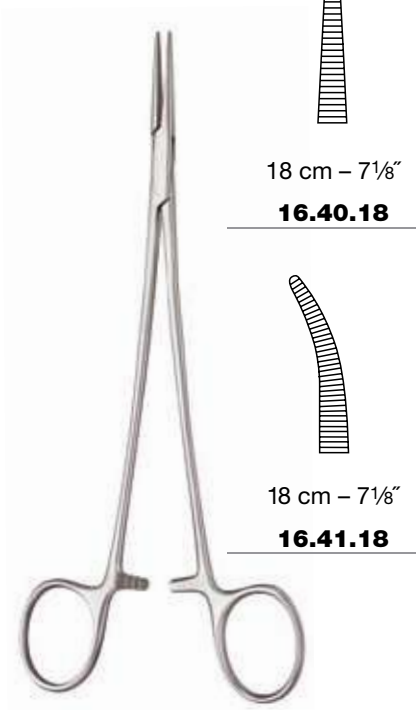
Peritoneumklemmen
Peritoneum forceps
Pinzas para peritoneo
Pinces à péritoine
Pinze per peritoneo

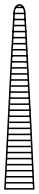




18 cm – 7⅛″	20 cm – 8″
16.85.18	**16.85.20**

Mikulicz





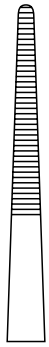
18 cm – 7⅛″
16.40.18

18 cm – 7⅛″
16.41.18

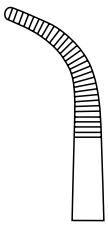
Halsted (Adson)



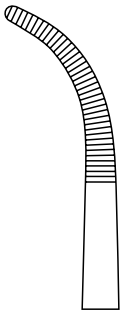
18,5 cm – 7¼″
16.40.19



21 cm – 8¼″
16.40.21



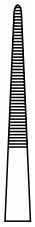
18,5 cm – 7¼″
16.41.19



21 cm – 8¼″
16.41.21

Adson

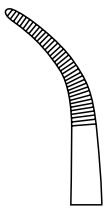




18 cm – 7⅛″
16.40.88



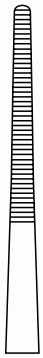
18 cm – 7⅛″
16.41.88



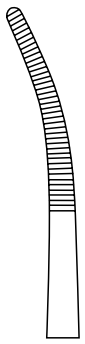
18 cm – 7⅛″
16.41.89

Jacobson-Micro





19 cm – 7½″
16.46.19



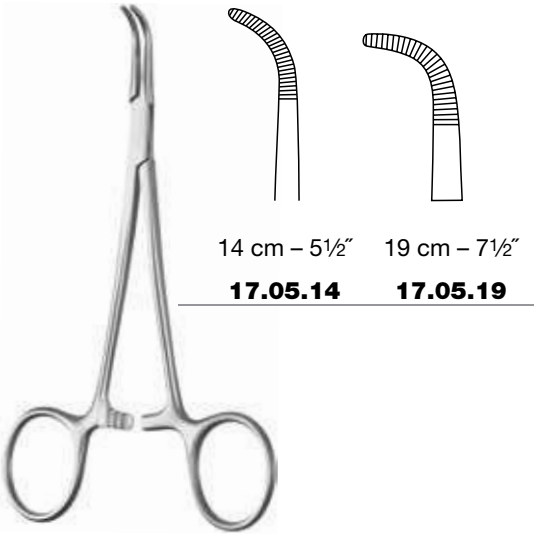
19 cm – 7½″
16.47.19

Birkett



14 cm – 5½″

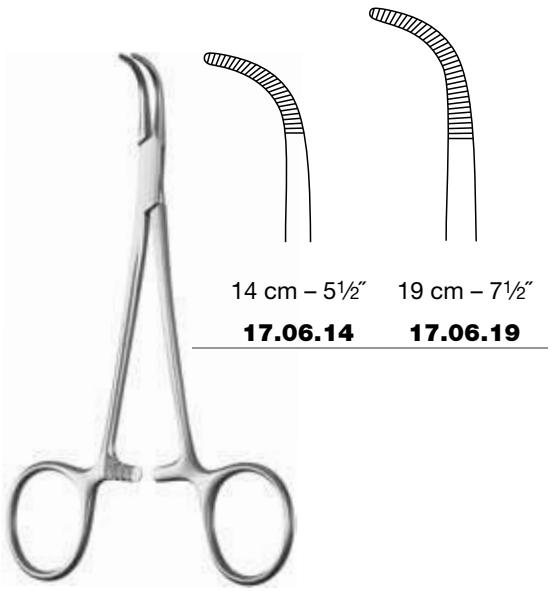
17.02.14



14 cm – 5½″ 19 cm – 7½″

17.05.14 **17.05.19**

Adson-Baby



14 cm – 5½″ 19 cm – 7½″

17.06.14 **17.06.19**

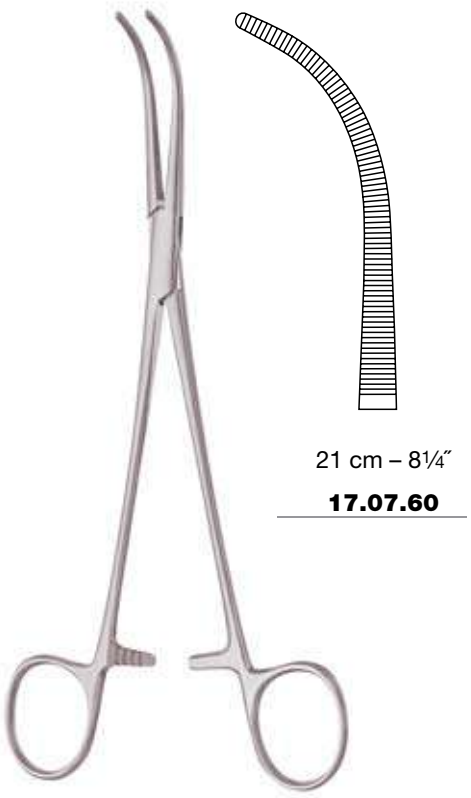
Mixter-Baby



20 cm – 8″

17.07.70

Wikstroem



21 cm – 8¼″

17.07.60

Overholt-Mixter



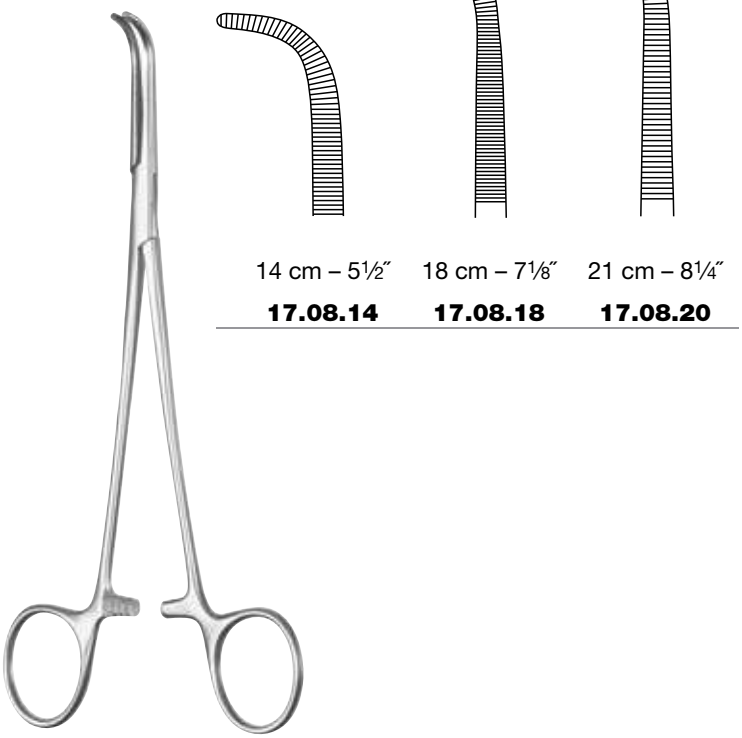
25 cm – 10″

17.07.75

27 cm – 10¼″

17.07.77

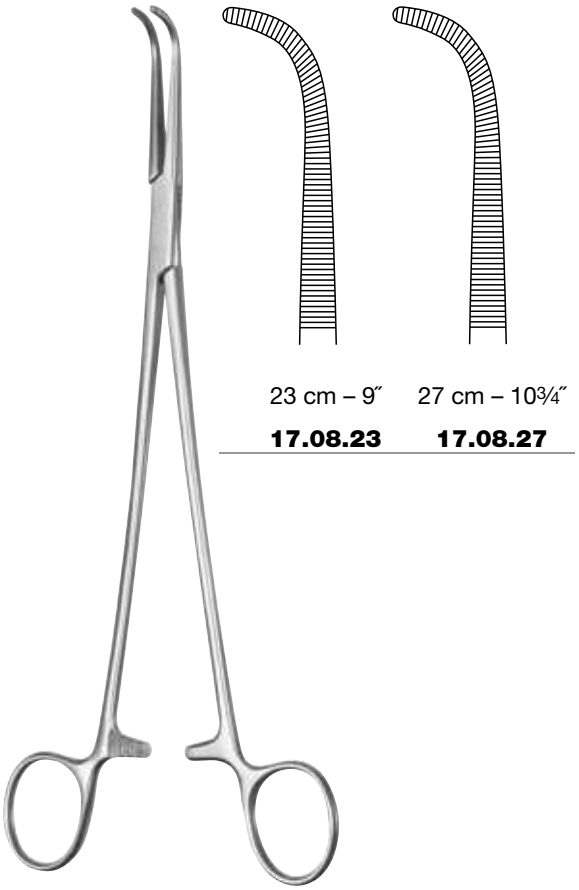
Mixter-Crafoord



14 cm – 5½″ | 18 cm – 7⅛″ | 21 cm – 8¼″

17.08.14 | **17.08.18** | **17.08.20**

Gemini



23 cm – 9″ | 27 cm – 10¾″

17.08.23 | **17.08.27**

Gemini



19 cm – 7½″

17.10.19

Lahey-Sweet

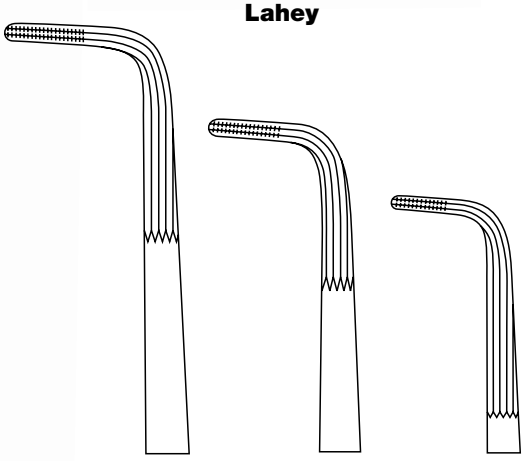


19 cm – 7½″ **17.11.19**

23 cm – 9″ **17.11.23**

Lahey





25 cm – 10″ **17.12.25**

22 cm – 8¾″ **17.12.22**

19 cm – 7½″ **17.12.19**

27 cm – 10¾″ **17.12.27**

29 cm – 11⅜″ **17.12.29**

Mixter



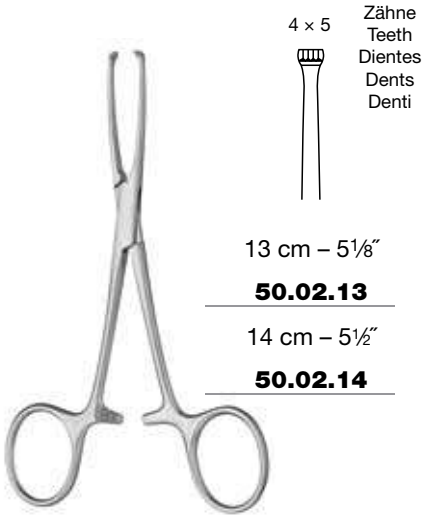
14 cm – 5½″
17.30.14

Chaput



13 cm – 5⅛″
17.30.15

Tuffier



13 cm – 5⅛″
50.02.13

14 cm – 5½″
50.02.14

Allis-Baby



16 cm – 6¼″ **17.32.16**

16 cm – 6¼″ **17.32.36**

Collin



15 cm – 6″ **50.02.15**

15 cm – 6″ **50.02.16**

Allis



15,5 cm – 6⅛″

52.46.85

Braun



19,5 cm – 7¾″

52.46.90

Czerny



5,5 cm – 2⅛″

17.50.05



8 cm – 3⅛″

17.50.08

Jones



8 cm – 3⅛″

17.50.18

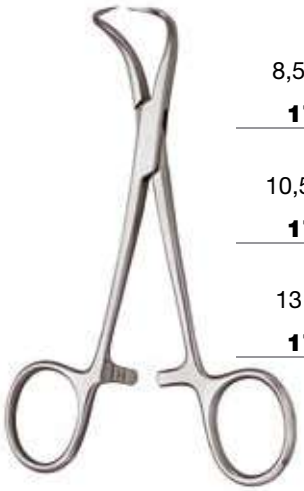
Schaedel



8 cm – 3⅛″

17.50.28

engl. Mod.



8,5 cm – 3⅜″
17.55.08

10,5 cm – 4⅛″
17.55.10

13 cm – 5⅛″
17.55.13

Backhaus



15 cm – 6″
17.55.15

Backhaus

Ball and Socket



11 cm – 4⅜″
17.55.20

13 cm – 5⅛″
17.55.23

Backhaus



13 cm – 5⅛″
17.57.83

Medicon

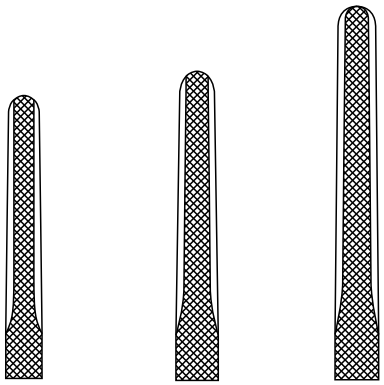


für Schlauch-Ø bis 15 mm
for tubes Ø up to 15 mm
para tubos hasta Ø 15 mm
pour tuyaux jusqu'à Ø 15 mm
per tubi del Ø di 15 mm

10 cm – 4″
17.65.10

Backhaus



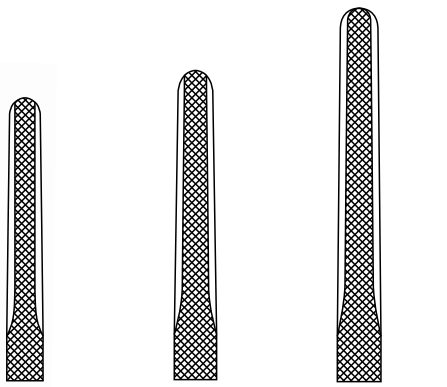


15,5 cm – 6⅛″ **17.72.75**

18 cm – 7⅛″ **17.72.78**

20 cm – 8″ **17.72.80**





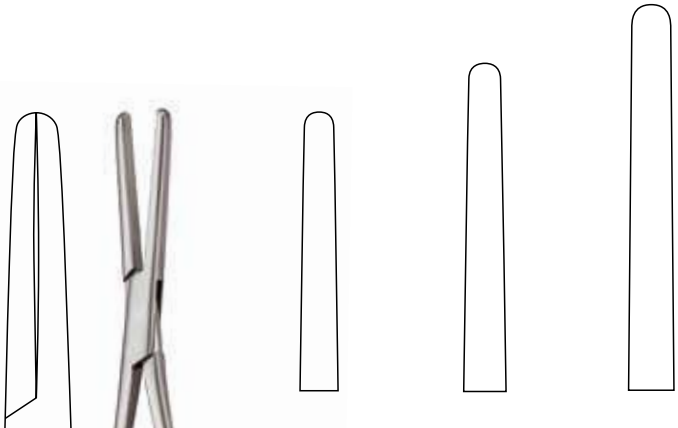
15,5 cm – 6⅛″ **17.72.76**

18 cm – 7⅛″ **17.72.79**

20 cm – 8″ **17.72.81**



Presbyterian-Hospital



16 cm – 6¼″ **17.72.16**

18 cm – 7⅛″ **17.72.18**

20 cm – 8″ **17.72.20**

12 mm



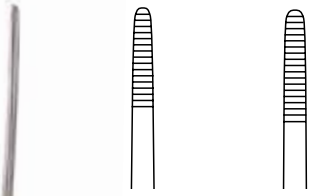
17.71.02

Simplex



14,5 cm – 5¾″ **17.73.14**





13 cm – 5⅛″ **19.06.13**

15 cm – 6″ **19.06.15**

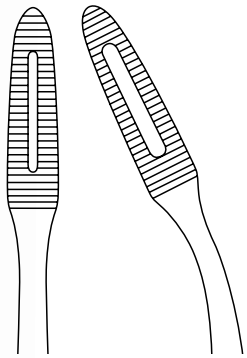
18 cm – 7⅛″ **19.06.18**

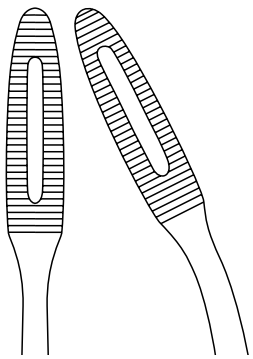
Lister



17,5 cm – 7″ **19.09.17**







20 cm – 8″ **19.16.20**

20 cm – 8″ **19.17.20**

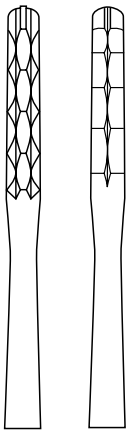
26 cm – 10¼″ **19.16.26**

26 cm – 10¼″ **19.17.26**

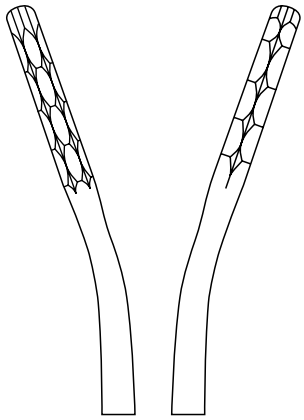
Gross **Maier**



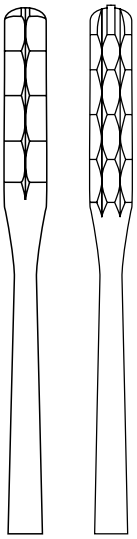
Ulrich



18 cm – 7⅛″
19.40.18



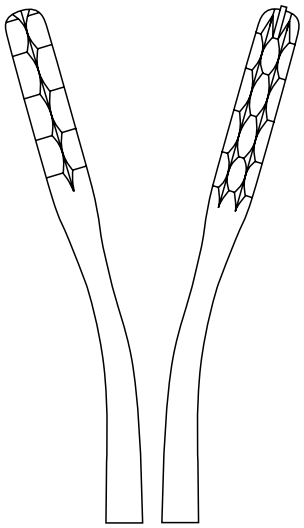
18 cm – 7⅛″
19.41.18



20 cm – 8″
19.40.20

22 cm – 8¾″
19.40.22

26 cm – 10¼″
19.40.26

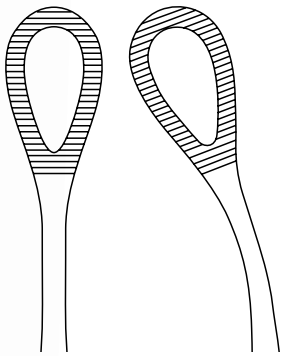


20 cm – 8″
19.41.20

22 cm – 8¾″
19.41.22

26 cm – 10¼″
19.41.26

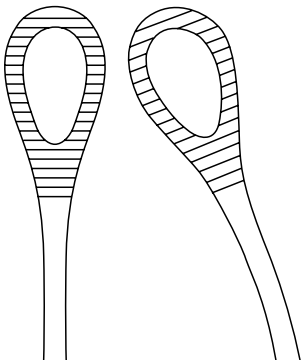




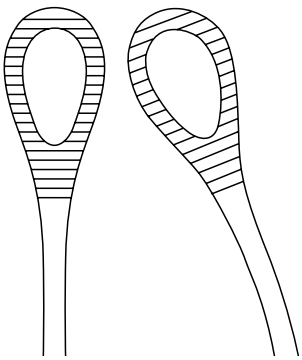
18 cm – 7⅛″	18 cm – 7⅛″
19.50.18	**19.51.18**

Foerster





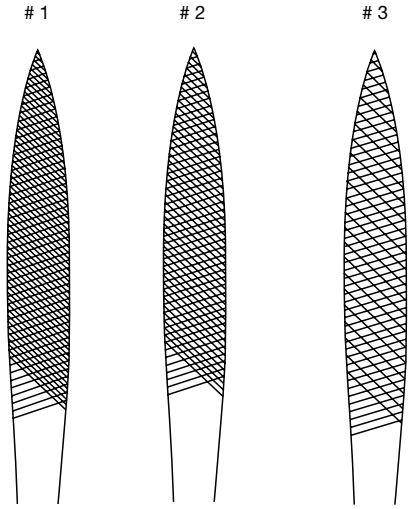
20 cm – 8″	20 cm – 8″
19.50.20	**19.51.20**



24 cm – 9½″	24 cm – 9½″
19.50.24	**19.51.24**

Foerster

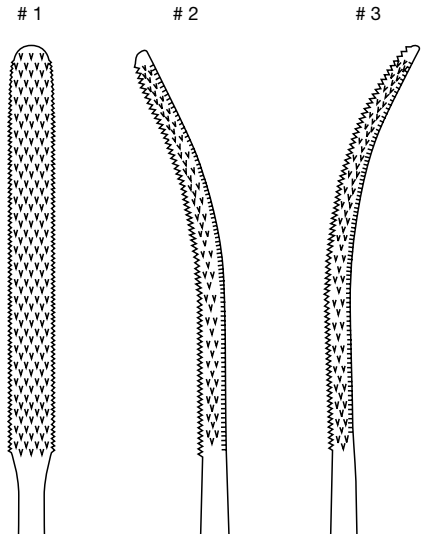




17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″
26.05.21	**26.05.22**	**26.05.23**

Joseph

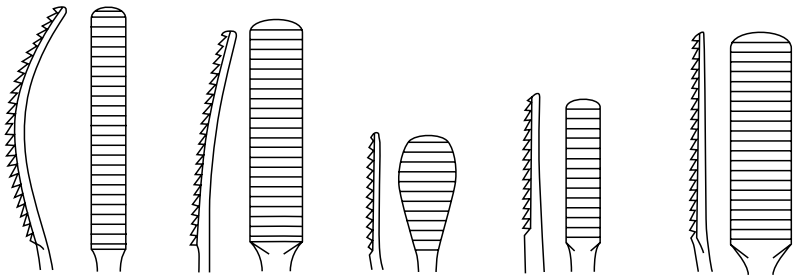




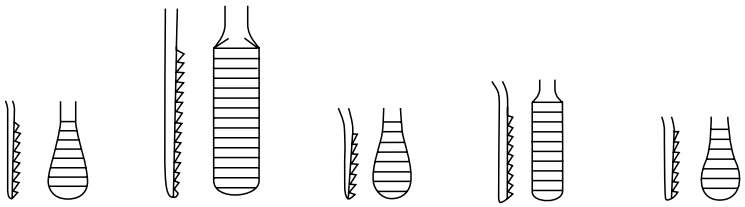
19 cm – 7½″	19 cm – 7½″	19 cm – 7½″
26.05.41	**26.05.42**	**26.05.43**

Gallaher



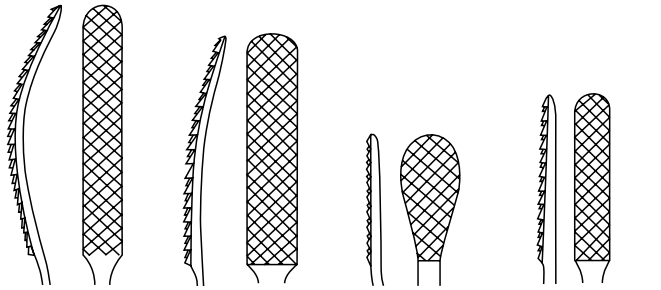


18 cm – 7⅛″	18 cm – 7⅛″	18 cm – 7⅛″	18 cm – 7⅛″	18 cm – 7⅛″
26.10.10	**26.10.11**	**26.10.12**	**26.10.13**	**26.10.14**
# 10	# 11	# 12	# 13	# 14

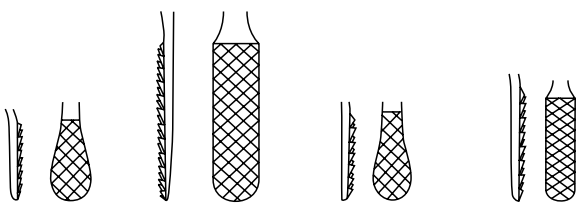


Miller

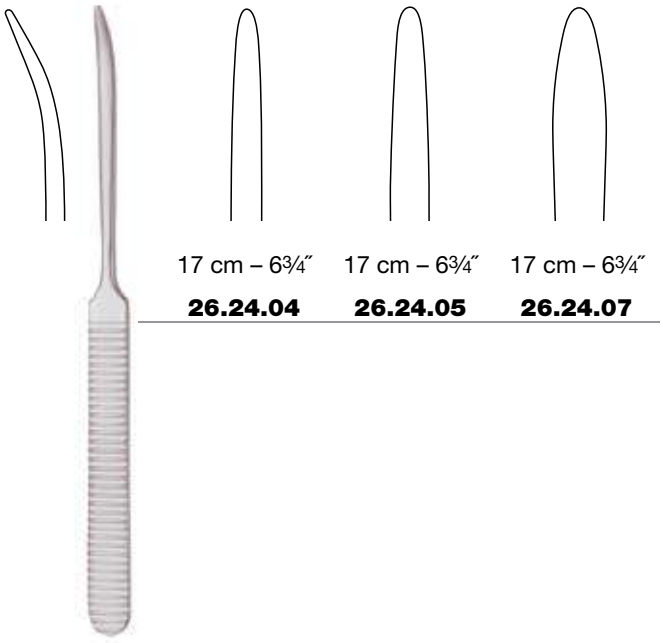




18 cm – 7⅛″	18 cm – 7⅛″	18 cm – 7⅛″	18 cm – 7⅛″
26.10.20	**26.10.21**	**26.10.22**	**26.10.23**
# 10C	# 11C	# 12C	# 13C

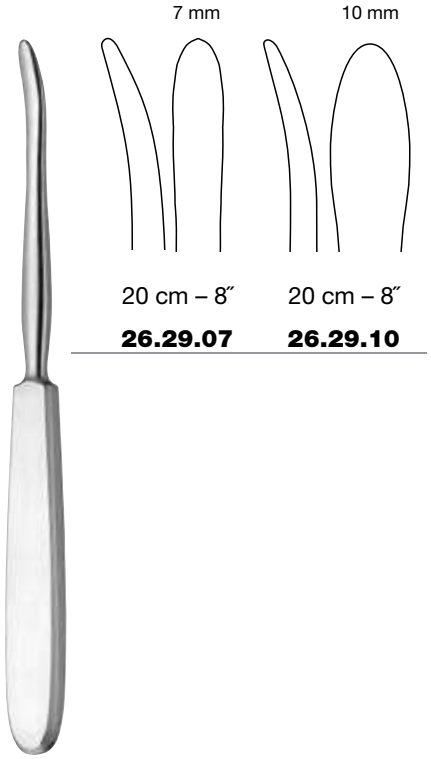


Miller



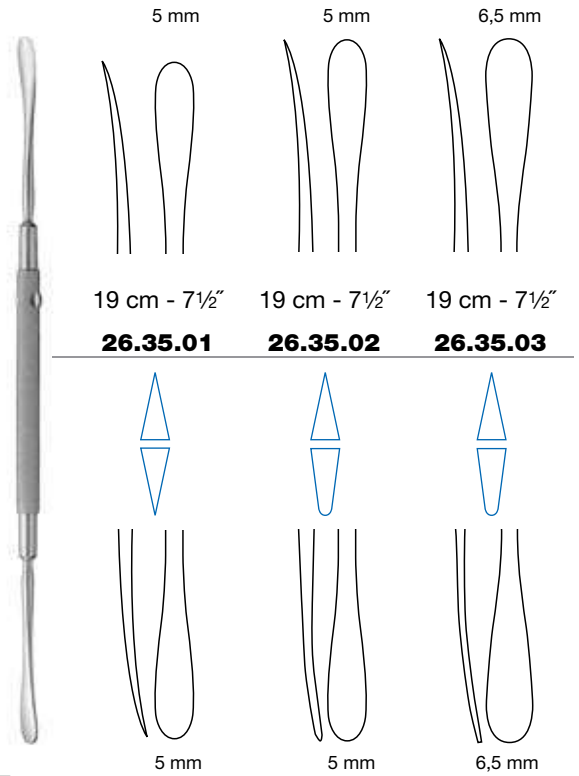
17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″
26.24.04	**26.24.05**	**26.24.07**

Williger



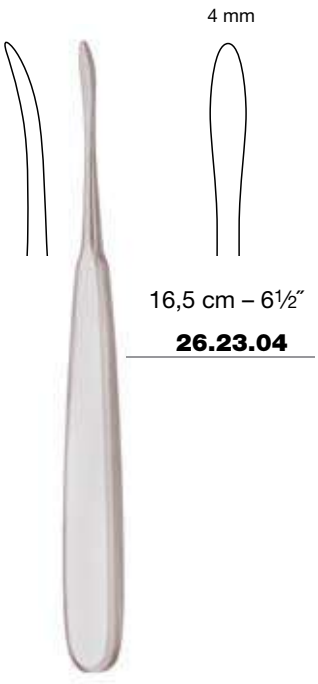
20 cm – 8″	20 cm – 8″
26.29.07	**26.29.10**

Langenbeck



19 cm - 7½″	19 cm - 7½″	19 cm - 7½″
26.35.01	**26.35.02**	**26.35.03**

Freer

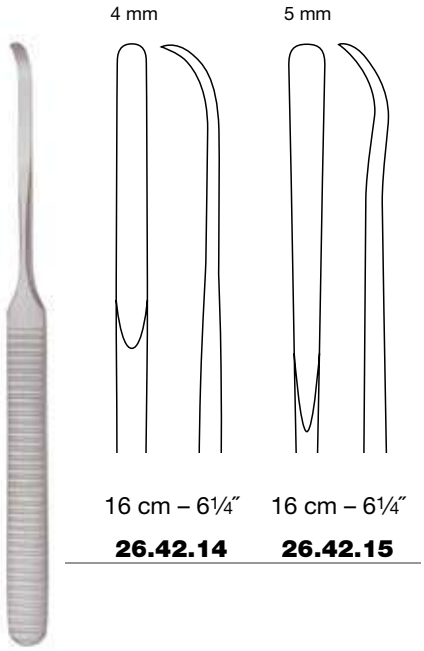


16,5 cm – 6½″
26.23.04

Sebileau

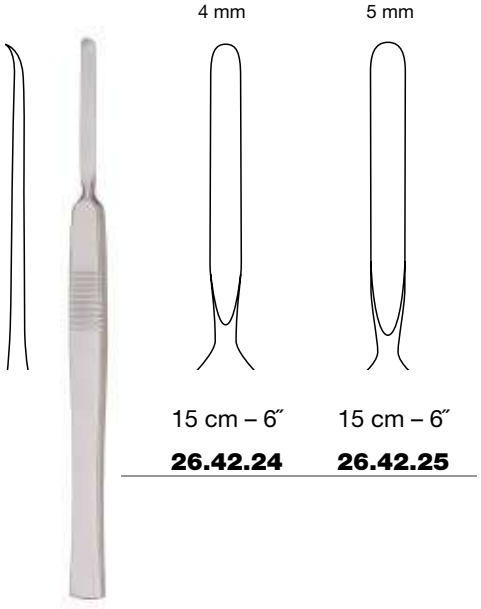
scharf
sharp
agudo
pointu
acuto

stumpf
blunt
romo
mousse
smusso



16 cm – 6¼″ 16 cm – 6¼″
26.42.14 **26.42.15**

Kahre-Williger



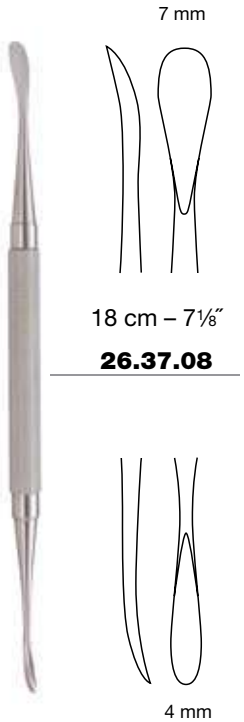
15 cm – 6″ 15 cm – 6″
26.42.24 **26.42.25**

McKenty



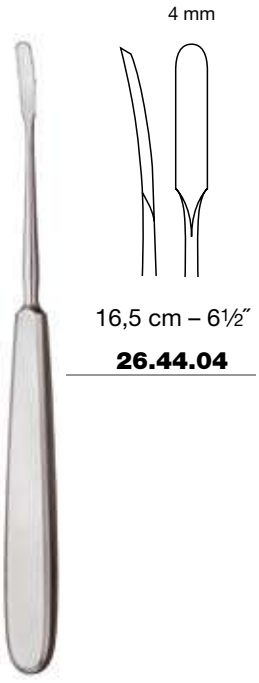
17 cm – 6¾″
26.37.12

Bennet



18 cm – 7⅛″
26.37.08

Stiller



16,5 cm – 6½″
26.44.04

Joseph

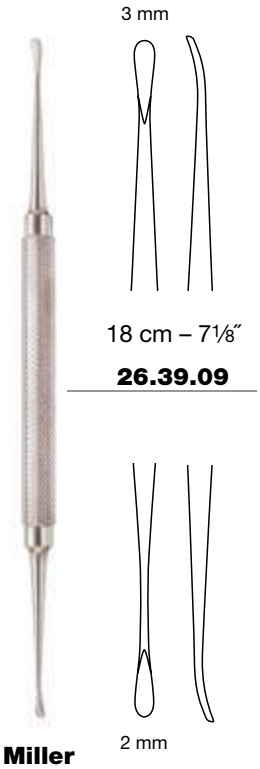
scharf
sharp
agudo
pointu
acuto

stumpf
blunt
romo
mousse
smusso

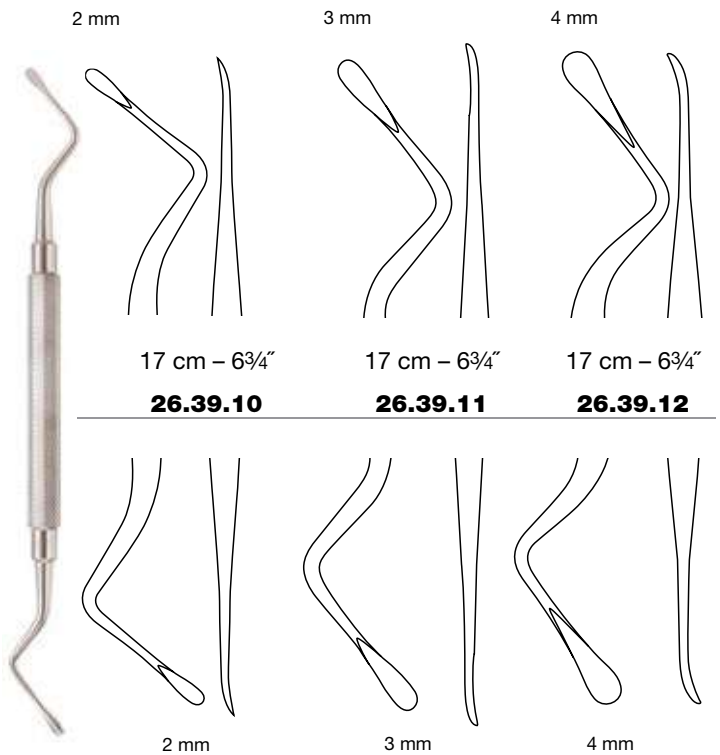


Knochenküretten
Bone curettes
Cucharillas óseas
Curettes à os
Cucchiaio ossivoro

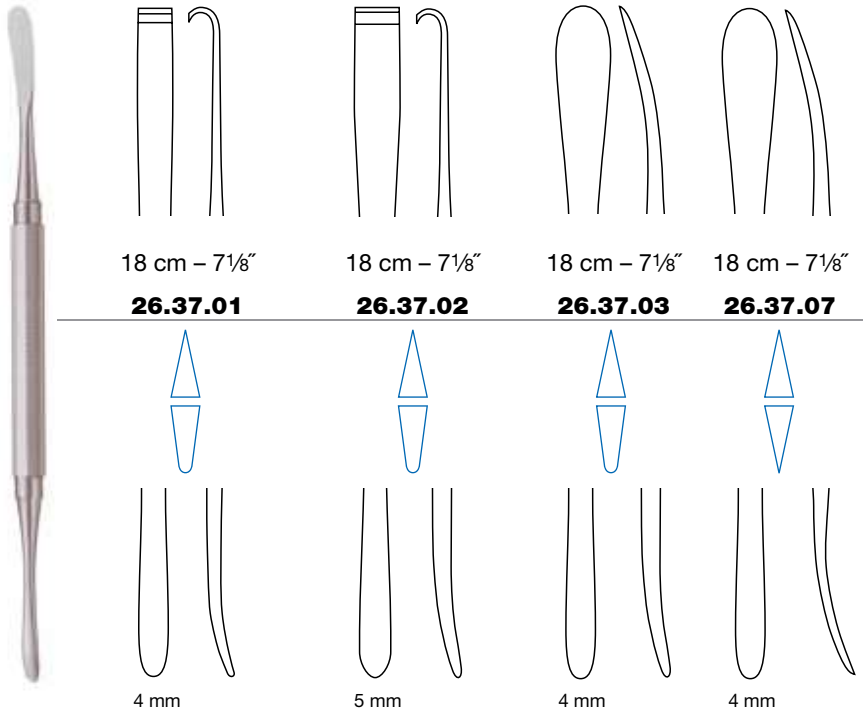
Lucas



Miller



Miller



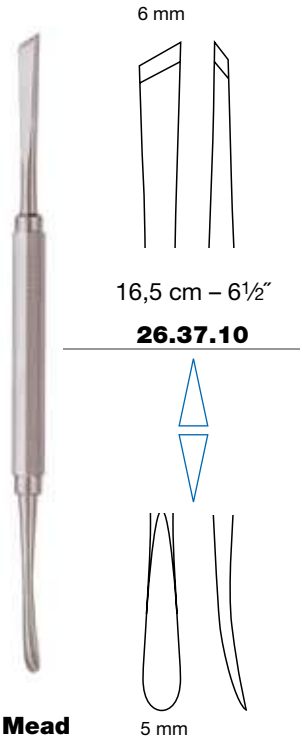
18 cm – 7⅛″ **26.37.01**

18 cm – 7⅛″ **26.37.02**

18 cm – 7⅛″ **26.37.03**

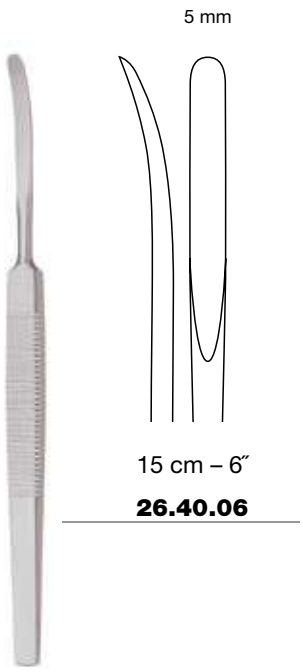
18 cm – 7⅛″ **26.37.07**

Molt



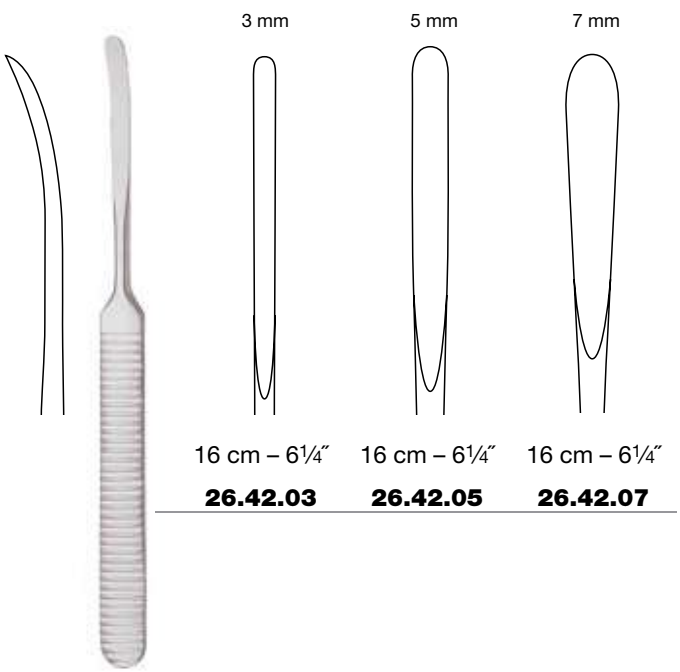
16,5 cm – 6½″ **26.37.10**

Mead



15 cm – 6″ **26.40.06**

Koenig



16 cm – 6¼″ **26.42.03**

16 cm – 6¼″ **26.42.05**

16 cm – 6¼″ **26.42.07**

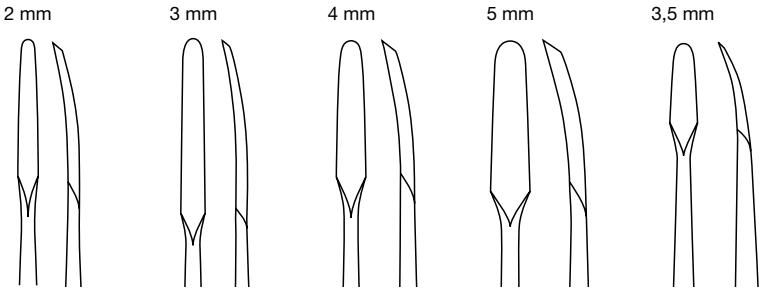
Williger

scharf
sharp
agudo
pointu
acuto

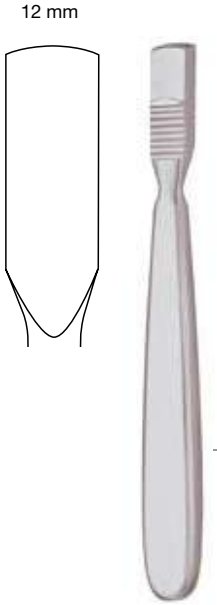
stumpf
blunt
romo
mousse
smusso



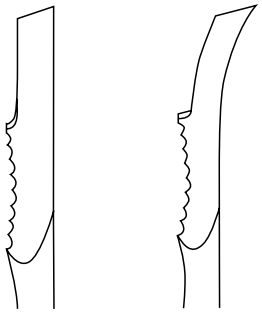
Lempert



17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″
26.44.22	**26.44.23**	**26.44.24**	**26.44.25**	**26.44.28**



Farabeuf



15 cm – 6″	15 cm – 6″
26.53.13	**26.53.23**

Ø 30 mm



21 cm – 8¼″

27.04.22

220 g

Collin (Lucae)

Ø 25 mm



27.06.21
Ersatzbacken zu 27.06.20, Paar
Spare facings to 27.06.20, pair
Frentes de repuesto para 27.06.20, par
Joues de rechange pour 27.06.20, paire
Guance di ricambio per 27.06.20, paio

18,5 cm – 7¼″

27.06.20

200 g

Ø 20 mm



16,5 cm – 6½″	16,5 cm – 6½″
27.02.10	**27.02.13**
100 g	130 g
massiv solid head macizo massif solido	bleigefüllt lead filled head relleno de plomo rempli de plomb pieno di piombo

Ø 26 mm

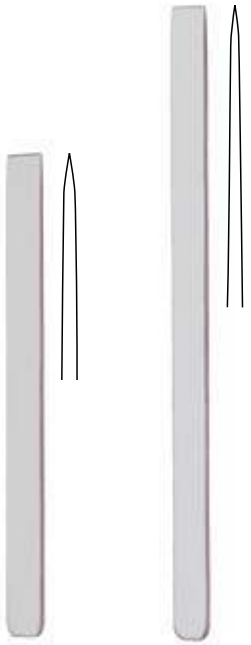


21 cm – 8¼″

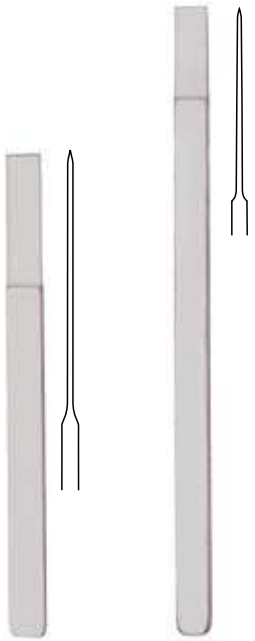
27.04.20

200 g

Hajek



Mini-Lambotte



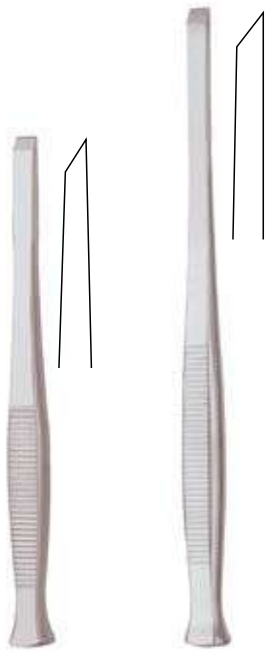
Hardt-Delima

	13 cm – 5⅛″	17 cm – 6¾″	13 cm – 5⅛″	17 cm – 6¾″
2 mm	**27.57.02**	**27.57.52**	**27.58.02**	**27.58.52**
4 mm	**27.57.04**	**27.57.54**	**27.58.04**	**27.58.54**
6 mm	**27.57.06**	**27.57.56**	**27.58.06**	**27.58.56**
8 mm	**27.57.08**	**27.57.58**	**27.58.08**	**27.58.58**
10 mm	**27.57.10**	**27.57.60**	**27.58.10**	**27.58.60**
12 mm	**27.57.12**	**27.57.62**	**27.58.12**	**27.58.62**
15 mm	**27.57.15**	**27.57.65**	**27.58.15**	**27.58.65**
	27.57.90	**27.57.95**	**27.58.90**	**27.58.95**

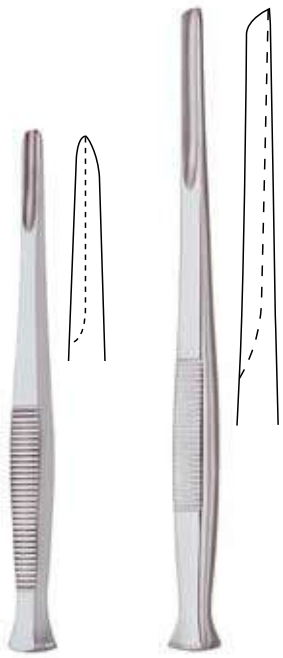




Satz komplett in Segeltuchetui
Set complete in canvas roll
Juego completo en bolsa de lona
Série complète en housse de toile
Serie completa in custodia di tela

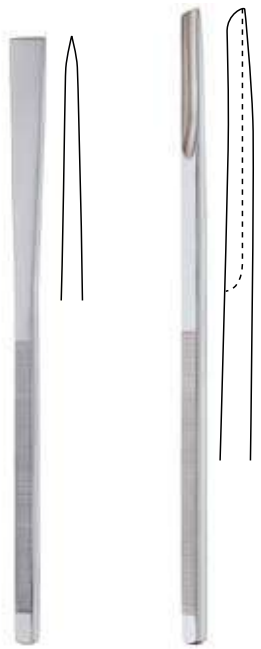


Partsch



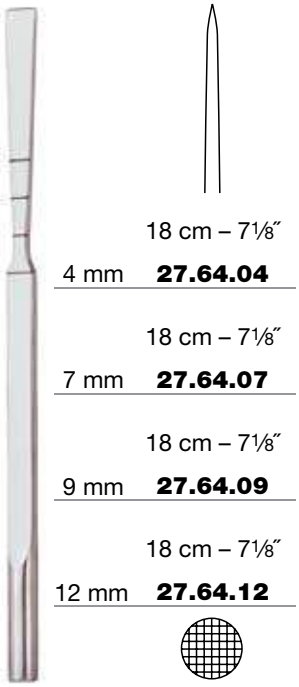
Partsch

	14 cm – 5½″	17 cm – 6¾″	14 cm – 5½″	17 cm – 6¾″
2 mm	**27.61.02**	**27.61.12**	**27.61.62**	**27.61.72**
3 mm	**27.61.03**	**27.61.13**	**27.61.63**	**27.61.73**
4 mm	**27.61.04**	**27.61.14**	**27.61.64**	**27.61.74**
6 mm	**27.61.06**	**27.61.16**	**27.61.66**	**27.61.76**
8 mm	**27.61.08**	**27.61.18**	**27.61.68**	**27.61.78**



Sheehan

	16 cm – 6¼″	16 cm – 6¼″
2 mm	**27.62.02**	**27.62.62**
3 mm		**27.62.63**
4 mm	**27.62.04**	**27.62.64**
6 mm	**27.62.06**	**27.62.66**
8 mm	**27.62.08**	
10 mm	**27.62.10**	
12 mm	**27.62.12**	
15 mm	**27.62.15**	
18 mm	**27.62.18**	
20 mm	**27.62.20**	



	18 cm – 7⅛″	
4 mm	**27.64.04**	
	18 cm – 7⅛″	
7 mm	**27.64.07**	
	18 cm – 7⅛″	
9 mm	**27.64.09**	
	18 cm – 7⅛″	
12 mm	**27.64.12**	

Cottle-Medicon



4 mm	4 mm	4 mm
17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″
27.80.10	**27.80.11**	**27.80.19**

Freer



3 mm	
12 cm – 4¾″	
27.95.11	
3,5 mm	
12 cm – 4¾″	
27.95.12	

Passow



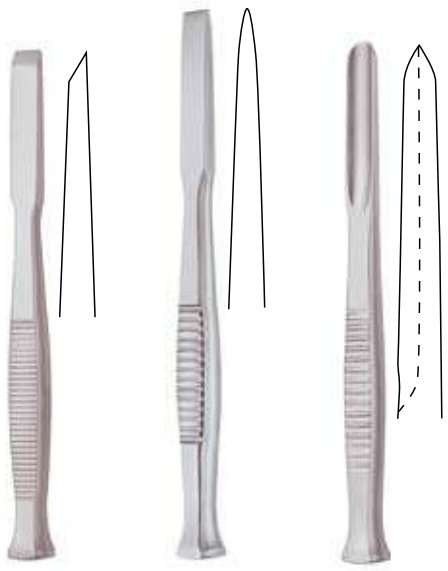
Ø 3 mm	Ø 5 mm	Ø 7 mm	Ø 9 mm
16 cm – 6¼″	16 cm – 6¼″	16 cm – 6¼″	16 cm – 6¼″
27.95.03	**27.95.05**	**27.95.07**	**27.95.09**



Ø 12 mm	Ø 14 mm	Ø 16 mm
20 cm – 8″	20 cm – 8″	20 cm – 8″
27.95.20	**27.95.21**	**27.95.22**

Caspar

Novotex



	14 cm – 5½″	14 cm – 5½″	14 cm – 5½″
3 mm		**28.05.03**	**28.06.03**
4 mm	**28.04.04**	**28.05.04**	**28.06.04**
5 mm		**28.05.05**	**28.06.05**
6 mm	**28.04.06**	**28.05.06**	**28.06.06**
8 mm	**28.04.08**	**28.05.08**	**28.06.08**
10 mm	**28.04.10**	**28.05.10**	**28.06.10**
12 mm	**28.04.12**	**28.05.12**	**28.06.12**

mit NOVOTEX-Kunststoffgriff
(im Autoklaven sterilisierbar bis 134° C bei 3 bar)

with NOVOTEX plastic handle
(autoclavable up to 134° C at 3 bar)

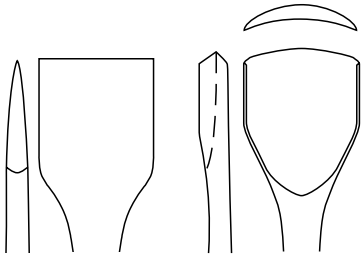
con mango plástico NOVOTEX (autoclavable hasta 134° C bajo presión de 3 bar)

avec manche en matière plastique NOVOTEX
(autoclavable jusqu' à 134° C sous pression de 3 bars)

con manico di materia plastica NOVOTEX
(autoclavabile fino a 134° C sotto pressione di 3 bar)

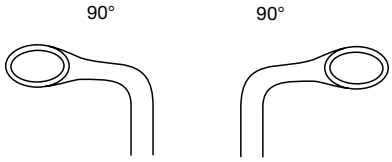


Mini-Lexer



	18 cm – 7⅛″	18 cm – 7⅛″
2 mm	**28.61.02**	**28.62.02**
4 mm	**28.61.04**	**28.62.04**
6 mm	**28.61.06**	**28.62.06**
8 mm	**28.61.08**	**28.62.08**
10 mm	**28.61.10**	**28.62.10**
12 mm	**28.61.12**	**28.62.12**
15 mm	**28.61.15**	**28.62.15**
20 mm	**28.61.20**	**28.62.20**



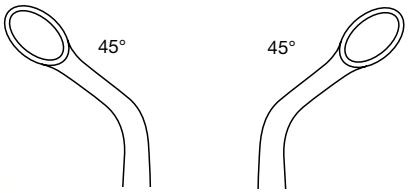


16 cm – 6¼″ **29.18.05**

16 cm – 6¼″ **29.18.06**

Siebenmann





17 cm – 6¾″ **29.18.07**

17 cm – 6¾″ **29.18.08**

Uffenorde



00

20 cm – 8″ **29.68.42**

0

20 cm – 8″ **29.68.50**

1

20 cm – 8″ **29.68.51**

2

20 cm – 8″ **29.68.52**

Daubenspeck



# 0000	# 000	# 00	# 0	# 1
17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″
29.51.24	**29.51.33**	**29.51.42**	**29.51.50**	**29.51.51**

# 2	# 3	# 4	# 5	# 6
17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″
29.51.52	**29.51.53**	**29.51.54**	**29.51.55**	**29.51.56**

Volkmann



# 000	# 00	# 0	# 1	# 2
17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″
29.40.33	**29.40.42**	**29.40.50**	**29.40.51**	**29.40.52**

# 3	# 4	# 5	# 6
17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″
29.40.53	**29.40.54**	**29.40.55**	**29.40.56**

Bruns



Williger

# 1- 4 mm	# 2 - 5 mm
17 cm – 6¾″	17 cm – 6¾″
29.24.01	**29.24.02**

# 1- 3,5 mm	# 2 - 5,5 mm
17 cm – 6¾″	17 cm – 6¾″
29.24.51	**29.24.52**



Lempert

# 000000 1 mm	# 00000 1,5 mm	# 0000 2 mm
21 cm – 8¼″	21 cm – 8¼″	21 cm – 8¼″
29.67.06	**29.67.15**	**29.67.24**

# 000 2,2 mm	# 00 2,5 mm	# 0 2,7 mm
21 cm – 8¼″	21 cm – 8¼″	21 cm – 8¼″
29.67.33	**29.67.42**	**29.67.50**

# 1 3,0 mm	# 2 3,3 mm
21 cm – 8¼″	21 cm – 8¼″
29.67.51	**29.67.52**



biegsam
malleable
maleable
malléable
malleabile

# 1 - 4 mm	# 2 - 5 mm
21 cm – 8¼″	21 cm – 8¼″
29.69.51	**29.69.52**

3 - 6 mm
21 cm – 8¼″
29.69.53

Halle



# 00-0	# 0-1	# 1-2
2,5 mm	3 mm	4 mm
14 cm – 5½″	14 cm – 5½″	14 cm – 5½″
29.80.10	**29.80.11**	**29.80.12**
3 mm	4 mm	5 mm

Martini



Ø 3 mm

17 cm – 6¾″

29.80.62

Ø 5 mm

Jansen



# 00-0	# 0-1	# 1-2
2 mm	2,5 mm	3 mm
14 cm – 5½″	14 cm – 5½″	14 cm – 5½″
29.83.10	**29.83.11**	**29.83.12**
2,5 mm	3 mm	4 mm

Williger

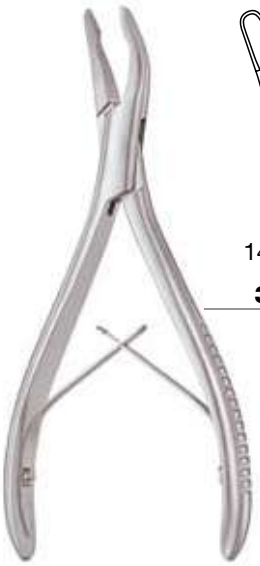




14 cm – 5½″

30.05.14

Friedmann





14 cm – 5½″

30.07.14



14 cm – 5½″

30.07.15



1



14 cm – 5½″

30.17.14

1A



17 cm – 6¾″

30.17.17

Mead



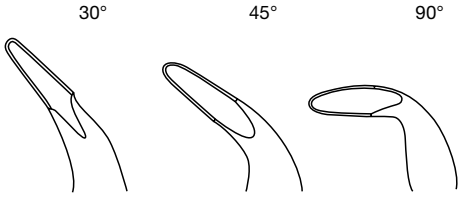


16 cm – 6¼″

30.38.56

Hartmann

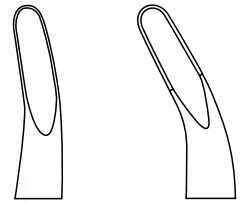




16 cm – 6¼″	16 cm – 6¼″	16 cm – 6¼″
30.25.30	**30.25.45**	**30.25.90**

Blumenthal

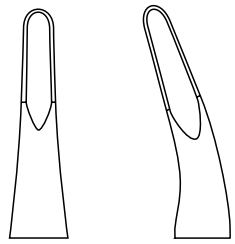




15 cm – 6″	15 cm – 6″
30.30.15	**30.30.35**

Luer

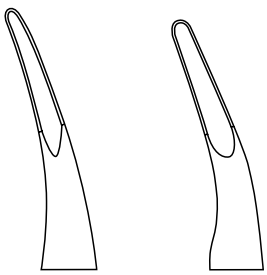




17 cm – 6¾″	17 cm – 6¾″
30.50.18	**30.51.18**

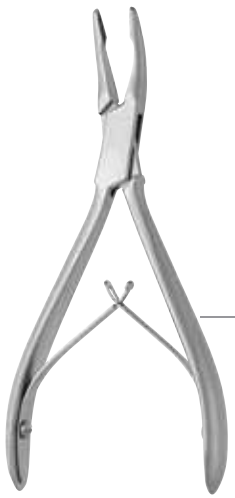
Jansen

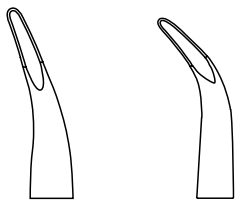




17 cm – 6¾″	17 cm – 6¾″
30.71.02	**30.71.03**

Beyer



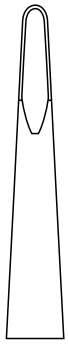


14 cm – 5½″ **30.76.13**

14 cm – 5½″ **30.76.14**

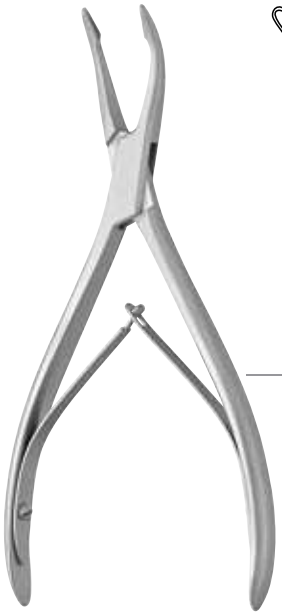
Kleinert-Kutz

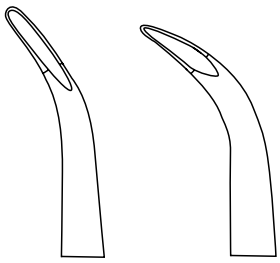




19 cm – 7½″ **30.79.19**

Defourmentel

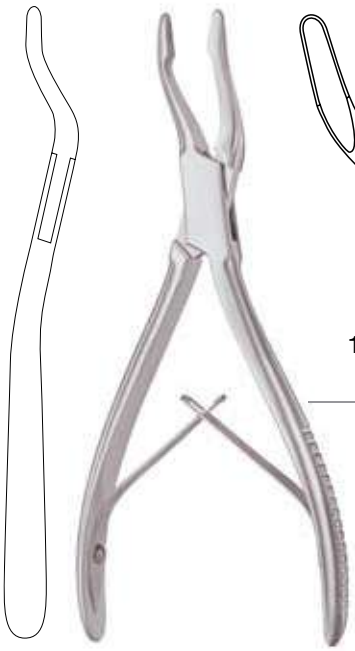


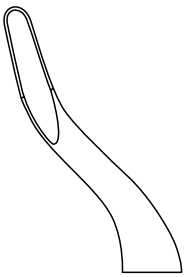


17 cm – 6¾″ **30.76.17**

17 cm – 6¾″ **30.76.18**

Stellbrink

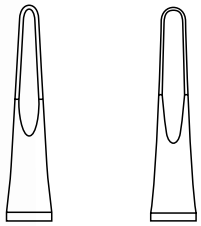




17 cm – 6¾″ **30.79.59**

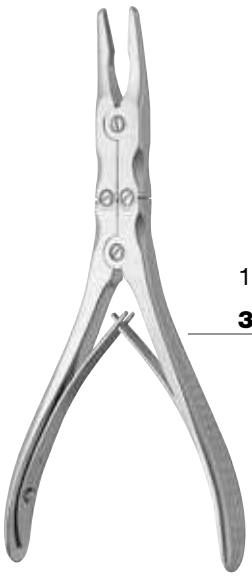
Jansen

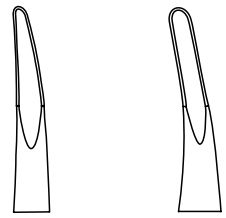




15 cm – 6″	15 cm – 6″
31.04.02	**31.04.03**

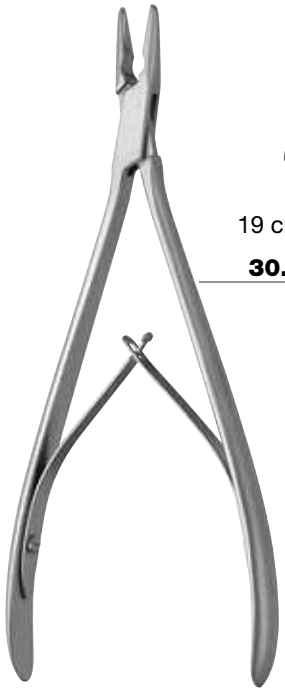
Ruskin-Mini

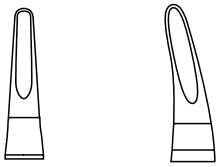




15 cm – 6″	15 cm – 6″
31.05.02	**31.05.03**

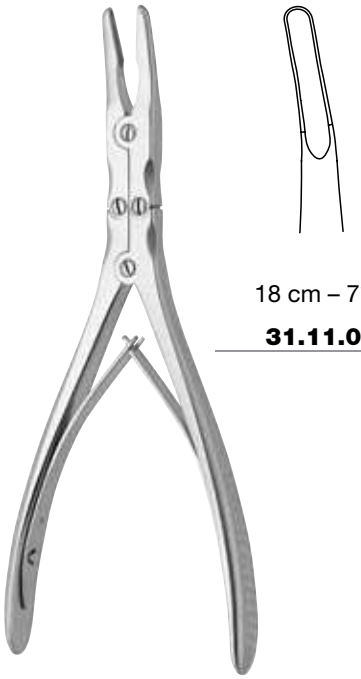
Ruskin-Mini





19 cm – 7½″	19 cm – 7½″
30.76.19	**30.76.29**

Lempert



18 cm – 7⅛″

31.11.04

Beyer





18 cm – 7⅛″

31.11.05

Zaufal-Jansen

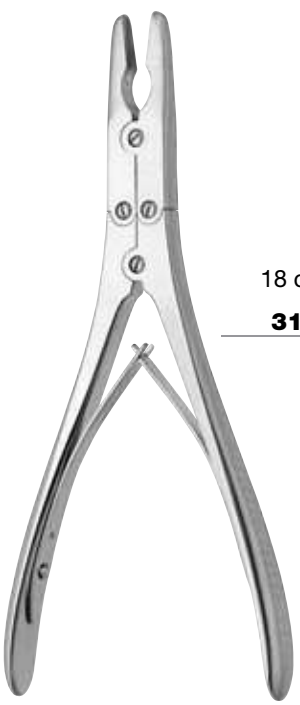


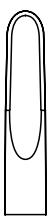


18 cm – 7⅛″

31.07.65

Ruskin



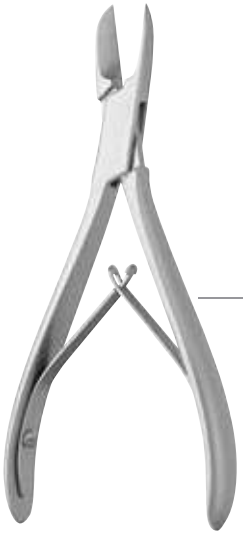




18 cm – 7⅛″ **31.06.05**

18 cm – 7⅛″ **31.07.05**

Ruskin

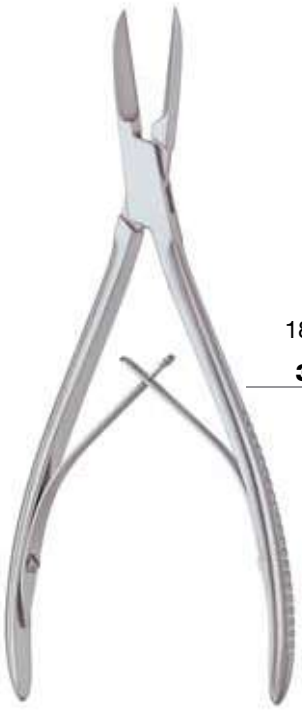




15 cm – 6″

33.02.15

Littauer





18 cm – 7⅛″

33.04.18

Cottle-Kazanjian







18 cm – 7⅛″ 18 cm – 7⅛″

33.56.18 **33.57.18**

Ruskin-Liston





18 cm – 7⅛″

33.59.17

McIndoe







15 cm – 6″	15 cm – 6″
33.50.15	**33.51.15**

Liston-mini











14 cm – 5½″	17 cm – 6¾″	19 cm – 7½″	22 cm – 8¾″
33.20.14	**33.20.17**	**33.20.19**	**33.20.22**

Liston











14 cm – 5½″	17 cm – 6¾″	19 cm – 7½″	22 cm – 8¾″
33.21.14	**33.21.17**	**33.21.19**	**33.21.22**

Liston

Stahl-Messstäbe, rostfrei
Rules, stainless steel
Reglas de acero inoxidable
Règles en acier inoxydable
Righe in acciaio inossidabile

graduiert in cm und Zoll
graduated in cm and inches
graduado en cm y pulgadas
graduée en cm et pouces
graduate in cm e pollici



15 cm – 6″
44.37.15

20 cm – 8″
44.37.20



18 cm – 7⅛″
60.00.42

Castroviejo-Epker



18 cm – 7⅛″
60.00.43

Castroviejo-Epker

Messbereich:
Measuring range:
Alcance de medición: 40 mm
Etendue de mesure:
Campo di misura:





44.51.22

Ophthalmoskopbesteck mit Halogenbeleuchtung
Ophthalmoscope set with halogen illumination
Juego para oftalmología con iluminación halógena
Trousse à ophtalmoscopie avec éclairage halogène
Set per oftalmologia con illuminazione alogena

	Besteck komplett im Etui, bestehend aus: Set complete in case, consisting of: Juego completo en estuche, compuesto de: Trousse complète en étui, se composant de: Set completo in astuccio, composto da:	
44.51.95	Batteriegriff (ohne Batterien) mit Bajonettverschluss und Rheostat Battery handle (without batteries) with bayonet lock and rheostat Mango de pilas (sin pilas) con cierre en bayoneta y reostato Manche porte-piles (sans piles) avec raccord à baïonnette et rhéostat Manico a pila (senza pile) con chiusura a baionetta e reostato	1 ×
44.51.26	Ophthalmoskopaufsatz Ophthalmoscope head Oftalmoscópio sobrepuesto Embout d'ophtalmoscope Testata per oftalmoscopio	1 ×
44.50.28	Lupe Magnifying glass Lupa Loupe Lente	1 ×



44.51.01

Otoskopbesteck mit Halogenbeleuchtung
Otoscope set with halogen illumination
Juego para otoscopía con iluminación halógena
Trousse à otoscopie avec éclairage halogène
Set per otoscopia con illuminazione alogena

	Besteck komplett im Etui, bestehend aus: Set complete in case, consisting of: Juego completo en estuche, compuesto de: Trousse complète en étui, se composant de: Set completo in astuccio, composto da:	
44.51.95	Batteriegriff (ohne Batterien) mit Bajonettverschluss und Rheostat Battery handle (without batteries) with bayonet lock and rheostat Mango de pilas (sin pilas) con cierre en bayoneta y reostato Manche porte-piles (sans piles) avec raccord à baïonnette et rhéostat Manico a pila (senza pile) con chiusura a baionetta e reostato	1 ×
44.51.11	Otoskopaufsatz Otoscope head Otoscopio sobrepuesto Embout d'otoscope Testata per otoscopio	1 ×
44.51.14	Schwenklinse Swivel lense Upa giratoria Loupe pivotante Lente mobile	1 ×
44.51.18	Einmalohrtrichter Disposable ear specula Espéculos auriculares desechables Spéculums auriculaires à usage unique Specoli auricolari monouso	5 × Ø 2,5 mm 5 × Ø 4,0 mm
	Wiederverwendbare Ohrtrichter Reusable ear specula Espéculos auriculares reutilizables Spéculums auriculaires réutilisables Specoli auricolari riutilizzabili	1 × Ø 2,0 mm 1 × Ø 3,0 mm 1 × Ø 4,0 mm 1 × Ø 5,0 mm



44.51.42

Oto-Ophthalmoskopbesteck mit Halogenbeleuchtung
Oto-ophthalmoscope set with halogen illumination
Juego para oto-oftalmología con iluminación halógena
Trousse à oto-ophtalmoscopie avec éclairage halogène
Set per oto-oftalmologia con illuminazione alogena

	Besteck komplett im Etui, bestehend aus: Set complete in case, consisting of: Juego completo en estuche, compuesto de: Trousse complète en étui, se composant de: Set completo in astuccio, composto da:	
44.51.95	Batteriegriff (ohne Batterien) mit Bajonettverschluss und Rheostat Battery handle (without batteries) with bayonet lock and rheostat Mango de pilas (sin pilas) con cierre en bayoneta y reostato Manche porte-piles (sans piles) avec raccord à baïonnette et rhéostat Manico a pila (senza pile) con chiusura a baionetta e reostato	1 ×
44.51.11	Otoskopaufsatz Otoscope head Otoscopio sobrepuesto Embout d'otoscope Testata per otoscopio	1 ×
44.51.26	Ophthalmoskopaufsatz Ophthalmoscope head Oftalmoscópio sobrepuesto Embout d'ophtalmoscope Testata per oftalmoscopio	1 ×
44.51.14	Schwenklinse Swivel lense Upa giratoria Loupe pivotante Lente mobile	1 ×
44.51.18	Einmalohrtrichter Disposable ear specula Espéculos auriculares desechables Spéculums auriculaires à usage unique Specoli auricolari monouso	5 × Ø 2,5 mm 5 × Ø 4,0 mm
	Wiederverwendbare Ohrtrichter Reusable ear specula Espéculos auriculares reutilizables Spéculums auriculaires réutilisables Specoli auricolari riutilizzabili	1 × Ø 2,0 mm 1 × Ø 3,0 mm 1 × Ø 4,0 mm 1 × Ø 5,0 mm

Optionales Zubehör
Optinal accessories
Accesorios opcionales
Accessoires oprionnels
Accessori opzionali



Einmalohrtrichter (Verpackungseinheit 100 Stück)
Disposable ear specula (packing unit 100 pieces)
Espéculos auriculares desechables (paquete de 100 unidades)
Spéculums auriculaires à usage unique (emballage de 100 pièces)
Specoli auricolari monouso (confezione da 100 pezzi)



44.51.15 (Ø 2,5 mm)
44.51.16 (Ø 4,0 mm)

Batterie (2 Stück werden benötigt)
Battery (2 pieces needed)
Pila (se necesitan 2 piezas)
Pile (2 pièces requises)
Pila (sono necessari 2 pezzi)



45.49.92 (R 14 · Typ C · 1,5 V)



HNO-Oto-Ophthalmoskop-Besteck mit Halogenbeleuchtung Fiber Optik

ENT Oto-Ophthalmoscope set with halogen illumination and fibre optic

Juego de O.R.L. y oto-oftalmoscopio con iluminación halógena fibra óptica

Trousse pour oto-rhino laryngoscopie et ophtal-moscopique avec éclairage halogène et fibre optique

Astuccio ORL oto-oftalmoscopio con illuminazione alogena a fibre ottiche

DE LUXE

44.51.62

Besteck komplett im Etui, bestehend aus:
Set complete in case, consisting of:
Juego completo en estuche, compuesto de:
Trousse complète en étui, se composant de:
Set completo in astuccio, composto da:

44.51.95	1	Batteriegriff mit Bajonettverschluss und Rheostat Battery handle with bayonet lock and rheostat Mango de pilas con cierre en bayoneta y reostato Manche porte-piles avec raccord à baïonnette et rhéostat Manico a pila con chiusura a baionetta e reostato
44.51.11	1	Otoskopaufsatz Otoscope head Otoscopio sobrepuesto Embout d'otoscope Testata per otoscopio
44.51.26	1	Ophthalmoskopaufsatz Ophthalmoscope head Oftalmoscópio sobrepuesto Embout d'ophtalmoscope Testata per oftalmoscopio
44.51.64	1	Nasenspekulum Nasal speculum Espéculo nasal Spéculum nasal Specolo nasale
44.51.14	1	Schwenklinse Swivel magnifying lense Upa giratoria Loupe pivotante Lente mobile
44.51.63	1	Spatelhalter Spatula holder Porta-espátula Porte-spatule Portaspatola
44.51.65	1	Lampenträger Lamp holder Porta-lámpara Porte-lampe Portalampadina
44.50.16	2	Kehlkopfspiegel Laryngeal mirrors Espejos laríngeos Miroirs laryngiens Specchi laringei	1 × Ø 20 mm 1 × Ø 22 mm
44.51.18	10	Einmalohrtrichter Disposable ear specula Espéculos auriculares desechables Spéculums auriculaires à usage unique Specoli auricolari monouso	5 × Ø 2,5 mm 5 × Ø 4,0 mm
	4	Wiederverwendbare Ohrtrichter Reusable ear specula Espéculos auriculares reutilizables Spéculums auriculaires réutilisables Specoli auricolari riutilizzabili	1 × Ø 2,0 mm 1 × Ø 3,0 mm 1 × Ø 4,0 mm 1 × Ø 5,0 mm

Batteriegriff (ohne Batterien)
Battery handle (without batteries)
Mango de pilas (sin pilas)
Manche porte-piles (sans piles)
Manico a pila (senza pile)



HNO-Ophthalmoskopbesteck
ENT ophthalmoscope set
Juego para oftalmología ORL
Trousse à ophtalmoscopie ORL
Set per oftalmologia ORL

ECONOM
44.50.70

Besteck komplett im Etui, bestehend aus:
Set complete in case, consisting of:
Juego completo en estuche, compuesto de:
Trousse complète en étui, se composant de:
Set completo in astuccio, composto da:

44.50.71	1	Batteriegriff mit Rheostat und Steckverschluss Battery handle with rheostat and plug lock Mango de pilas con reostato y enchufe de cerrojo Manche porte-pieles avec rhéostat et raccord à fermeture emboîtable Manico a pila con reostato e chiusura a spina
44.50.72	1	Otoskopaufsatz mit Steckverschluss Otoscope head with plug lock Otoscopio sobrepuesto con enchufe de cerrojo Embout d'otoscope avec raccord à fermeture emboîtable Testata per otoscopio con chiusura a spina
44.50.73	1	May-Ophtalmoskopaufsatz mit Steckverschluss May ophthalmoscope head with plug lock Pieza sobrepuesta de oftalmoscopio May con enchufe de cerrojo Embout ophtalmoscopie de May avec raccord à fermeture emboîtable May testata per oftalmoscopio con chiusura a spina
44.50.12	1	Nasenspekulum Nasal speculum Espéculo nasal Spéculum nasal Specolo nasale
44.50.90	1	Ersatzlampe für Otoskop, Lampenträger oder Ophtalmoskop Spare bulb for otoscope, lamp holder or ophthalmoscope Bombilla de repuesto para otoscopio, porta-lámpara o oftalmoscopio Lampe de rechange pour otoscope, porte-lampe ou ophtalmoscope Lampadina di ricambio per otoscopio, portalampadina o oftalmoscopio

44.50.75	1	Spatelhalter Spatula holder Porta-espátula Porte-spatule Portaspatola	
44.50.74	1	Lampenträger mit Steckverschluss Lamp holder with plug contact Porta-lámpara con enchufe de cerrojo Porte-lampe avec raccord à fermeture emboîtable Porta-lampadina con chiusura a spina	
44.50.16	2	Kehlkopfspiegel Laryngeal mirrors Espejos laríngeos Miroirs laryngiens Specchi laringei	1 × Ø 20 mm 1 × Ø 22 mm
44.50.10	1	Satz mit 3 Ohrtrichter Set of 3 ear specula Juego con 3 espéculos auriculares Jeu de 3 spéculums auriculaires Serie con 3 specoli auricolari	1 × Ø 2,0 mm 1 × Ø 3,0 mm 1 × Ø 4,0 mm

Batteriegriff (ohne Batterien)
Battery handle (without batteries)
Mango de pilas (sin pilas)
Manche porte-piles (sans piles)
Manico a pila (senza pile)

mit verstellbarem Plastik-Stirnband
with adjustable plastic headband
con cinta frontal de material plástico, ajustable
avec bandeau frontal en matière plastique, réglable
di fascia frontale di materia plastica, regolabile



44.62.10
Clar

Ø 55 mm



44.62.00
Clar Standard

Ø 100 mm



44.60.00
Ziegler

Ø 90 mm



44.60.20
Ziegler-Murphy

Ø 90 mm






Ersatzteile für: **Spare parts for:** **Piezas de repuesto para:** **Pièces de rechange pour:** **Pezzi di ricambio per:**	**44.62.10**	**44.62.00**	**44.60.20**	**44.60.00**
Stirnspiegel Head mirror Espejo frontal Miroir frontal Specchio frontale		**44.62.02** Ø 100 mm	**44.60.02** Ø 90 mm	**44.60.02** Ø 90 mm
Comfort-Stirnband Comfort headband Cinta frontal Comfort Bandeau frontal Comfort Fascia frontale Comfort	**44.62.06**	**44.62.05**	**44.60.45**	**44.60.40**
Reflektorglas Reflector glass Cristal reflector Glace réflecteur Vetro	**44.62.12** Ø 55 mm			
Reflektorglas mit Metallarmatur Reflector glass with metal fitting Cristal reflector con guarnición metálica Glace réflecteur avec partie métal Vetro con guarnizione in metallo	**44.62.14**			
Ersatz-Glühlampe, 6 Volt Spare bulb, 6 volts Bombilla de repuesto, 6 voltios Lampe de rechange, 6 volts Lampadina di ricambio, 6 volt	**44.62.19**	**44.62.19**		
Gelenkzwinge allein, für Stirnbänder Ball-and-socket joint only, for headbands Articulación sola, para cintas frontales Virole d'articulation seule, pour bandeaux frontaux Morsetto solo, per fasce frontali			**44.60.49**	**44.60.49**



Klein-Transformator komplett mit Anschlusskabel, einstellbar von 1,25 – 7 Volt
Transformer, small type, complete with connecting cord, regulated from 1,25 – 7 volts
Transformador, modelo pequeño, completo con cable de conexión, regulable de 1,25 – 7 voltios
Transformateur, petit modèle, complet avec câble de raccordement, réglable de 1,25 – 7 volts
Trasformatore, modello piccolo, completo di cavo di collegamento, regolabile da 1,25 – 7 volt

230 V

44.86.64



Clar

Stirnspiegel, mit Halogenbeleuchtung, komplett in Etui
Head mirrors, with halogen illumination, complete in case
Espejos frontales, con luz halógena, completo en estuche
Miroirs frontaux, avec éclairage halogène, complet en étui
Specchi frontali, con illuminazione alogena, completo in astuccio

230 Volt	120 Volt
44.62.60 Ø 55 mm	**44.62.61** Ø 55 mm
44.62.50 Ø 100 mm	**44.62.51** Ø 100 mm



Transformator
Transformer
Transformador
Transformateur
Trasformatore

Stufenschalter
Step switch
Interruptor
Bouton réglable
Interruttore



Halogen-Stirnlampen, komplett in Etui
Halogen head lights, complete in case
Lámparas frontales halógena, completa en estuche
Lampes frontales halogène, complète en étui
Lampade frontali alogena, completa in astuccio

230 Volt	120 Volt
44.75.10	**44.75.11**



Stirnspiegel, mit Halogenbeleuchtung, komplett in Etui, bestehend aus:
Head mirror, with halogen illumination, complete in case, consisting of:
Espejo frontal, con luz halógena, completo en estuche, compuesto de:
Miroir frontal, avec éclairage halogène, complet en étui, se composant de:
Specchio frontale, con illuminazione alogena, completo in astuccio, composto da:



Reflektor mit Beleuchtung, Schnellverschluss und Kugelgelenken
Reflector with illumination, quick lock and ball joints
Reflector con lámpara, con cierre rápido y articulaciónes de bola
Réflecteur avec lampe, serrage rapide et joints à rotule
Riflettore con illuminazione, chiusura rapida e giunto sferico



Stirnband aus Kunststoff, verstellbar von 520 – 600 mm durch Schnellfixierung
Plastic headband, quick fixation device adjustable from 520 – 600 mm
Cinta frontal ajustable de material plástico, ajustable de 520 – 600 mm mediante una fijación rápida
Bandeau frontal en matière plastique, réglable de 520 – 600 mm par fixation rapide
Fascia frontale di plastica, regolabile da 520 – 600 mm tramite fissazione rapida



Stufenschalter zur Einstellung von 2 Lichtstärken und zum Ein- und Ausschalten der Lampe
Step switch for setting two light intensities and to switch on/off the lamp
Interruptor a pasos para regular las 2 intensidades de luz y para encender y apagar la lámpara
Bouton réglable pour le réglage de deux intensités d'éclairage et pour allumer et éteindre la lampe
Interruttore progressivo per regolazione di 2 intensità luminose per accendere e spegnere la lampada



Transformator
Transformer
Transformador
Transformateur
Trasformatore

Halogen-Stirnlampe, komplett in Etui, bestehend aus:
Halogen head light, complete in case, consisting of:
Lámpara frontal halógena, completa en estuche, compuesta de:
Lampe frontale halogène, complète en étui, se composant de:
Lampada frontale alogena, completa in astuccio, composta da:



Lampenkopf mit Kugelgelenk und Schnellverschluss, fokussierbar
Lamp head with ball joints and quick lock, focussable
Cabeza de lámpara con cierre rápido y articulación de bola, focusable
Tête de lampe avec joint à rotule et serrage rapide, focalisable
Testa di lampada con giunto sferico e chiusura rapida, focalizzabile



Stirnband aus Kunststoff, verstellbar von 520 – 600 mm durch Schnellfixierung
Plastic headband, quick fixation device adjustable from 520 – 600 mm
Cinta frontal ajustable de material plástico, ajustable de 520 – 600 mm mediante una fijación rápida
Bandeau frontal en matière plastique réglable de 520 – 600 mm par fixation rapide
Fascia frontale di plastica, regolabile da 520 – 600 mm tramite fissazione rapida



Stufenschalter zur Einstellung von 2 Lichtstärken und zum Ein- und Ausschalten der Lampe
Step switch for setting two light intensities and to switch on/off the lamp
Interruptor a pasos para regular las 2 intensidades de luz y para encender y apagar la lámpara
Bouton réglable pour le réglage de deux intensités d'éclairage et pour allumer et éteindre la lampe
Interruttore progressivo per regolazione di 2 intensità luminose per accendere e spegnere la lampada



Transformator
Transformer
Transformador
Transformateur
Trasformatore

Die Einzelteile der CLAR Halogen-Stirnspiegel und Halogen-Stirnlampen sind untereinander austauschbar.
The individual parts for CLAR halogen head mirrors and halogen head lights are interchangeable.
Las piezas sueltas de los espejos frontales halógenos de CLAR y de las lámparas frontales halogènas son mutuamente intercambiables.
Les pièces individuelles des miroirs frontaux halogènes de CLAR et des lampes frontales halogènes sont interchangeables.
I pezzi singoli degli specchi frontali alogeni di CLAR e delle lampade frontali alogene sono intercambiabili.

Optionales Zubehör
Optinal accessories
Accesorios opcionales
Accessoires oprionnels
Accessori opzionali



Halogen-Ersatzlampe für CLAR Stirnspiegel Halogen spare bulb for CLAR head mirror Lámpara de halógeno de repuesto para espejo frontal CLAR Lampe halogène de rechange pour miroir frontal de CLAR Lampadina alogena di ricambio per specchio frontale CLAR	**44.62.59** 7 Volt	
CLAR Stirnspiegel, mit Sockel und Halogenlampe CLAR Head mirror, with quick lock and halogen light Espejo frontal CLAR, con base y lámpara de halógeno Miroir frontal CLAR, avec socle et lampe halogène Specchio frontale CLAR, con base e lampada alogena	**44.62.68** Ø 55 mm **44.62.58** Ø 100 mm	
Lampenkopf mit Sockel und Halogenlampe Lamp head with quick lock and halogen light Cabeza de lámpara con base y lámpara halógena Tête de lampe avec socle et lampe halogène Testa di lampada con base e lampada alogena	**44.75.18**	
Halogen-Ersatzlampe für Stirnlampe Halogen spare bulb for head light Lámpara de repuesto de halógeno para la lámpara frontal Lampe de rechange halogène pour lampe frontale Lampadina di ricambio alogena per lampada frontale	**44.52.19** 8 Volt	
Stirnband aus Kunststoff, verstellbar, für CLAR Stirnspiegel und Halogen-Stirnlampe, inkl. Trafo Plastic headband, adjustable, for CLAR head mirror and halogen head light, incl. transformer Cinta frontal de plástico, flexible, para espejos frontales CLAR y lámparas halógenas frontales, incluido transformador Bandeau frontal en matière plastique, réglable, pour miroir frontal de CLAR et lampe frontale halogène, avec trafo Fascia frontale di plastica, regolabile, con specchio frontale di CLAR e lampada frontale alogena, incluso trasformatore	**44.62.55** 230 Volt **44.62.56** 120 Volt	



44.63.50
Clar-KL

Miniatur Stirnspiegel mit Kaltlichtbeleuchtung, (Ø 35 mm), komplett in Etui, bestehend aus:
Mini head mirror with fibre optic illumination, (Ø 35 mm), complete in case, consisting of:
Espejo frontal en miniatura con iluminación de luz fría, (Ø 35 mm), completo en estuche, compuesto de:
Miroir frontal en miniature avec système d'éclairage à lumière froide, (Ø 35 mm), complet en étui, se composant de:
Specchio frontale in miniatura con illuminazione a luce fredda, (Ø 35 mm), completo in astuccio, composto da:

Reflektor mit KL-Beleuchtung und Kugelgelenk
Reflector with fibre optic illumination and ball joint
Un reflector con lámpara y articulación de bola
Réflecteur avec système d'éclairage à lumière froide et joint à rotule
Riflettore con illuminazione a luce fredda e giunto sferico

Stirnband aus Kunststoff, verstellbar durch Schnellfixierung
Plastic headband, quick fixation device adjustable
Cinta frontal de material plástico, ajustable mediante una fijación rápida
Bandeau frontal en matière plastique, réglable par fixation rapide
Fascia frontale di plastica, regolabile tramite fissazione rapida

2,3 m Fiberglaslichtleitkabel mit Wolf + Storz Anschluss (andere Anschlüsse auf Wunsch möglich)
2,3 m fibre optic cable with Wolf + Storz connection (other connections on request)
2,3 m cable de luz fría con conexión de Wolf + Storz (otras conexiónes a petición posibles)
2,3 m câble conducteur de lumière en fibres de verre avec connexion Wolf + Storz (autres connexions sont possibles sur demande)
2,3 m cavo conduttore di luce fredda a fibre di vetro con attacco Wolf + Storz (altri attacchi su richiesta)

Kaltlicht-Stirnlampe
Fibre Optic Head Light
Lámpara frontal de luz fría
Lampe frontale à lumière froide
Lampada frontale a luce fredda



44.75.15

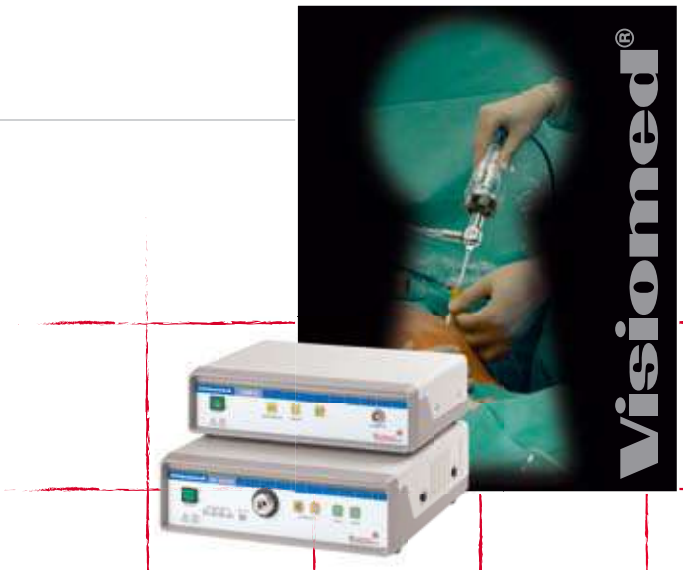
Kaltlicht-Stirnlampe, ledergepolstert, fokussierbar, mit 2,3 m Kaltlichtkabel Ø 3,5 mm für Wolf + Storz Anschluss
Fibre optic head light, leather upholstered, focusable, with 2,3 m fibre optic cable Ø 3,5 mm for Wolf + Storz connection
Lámpara frontal de luz fría, acolchado de cuero, focusable, con 2,3 m cable de luz fría Ø 3,5 mm para conexión de Wolf + Storz
Lampe frontale à lumière froide, rembourré de cuir, focalisable, avec 2,3 m câble à lumière froide Ø 3,5 mm pour connexion Wolf + Storz
Lampada frontale a luce fredda, imbottitura in pelle, focalizzabile, con 2,3 m cavo conduttore di luce fredda a fibre di vetro Ø 3,5 mm per attacco Wolf + Storz

Leuchtfeld-Ø bei Arbeitsabstand von: 25 cm: 40 – 90 mm; 50 cm: 80 – 160 mm
Ø of spot at working distance of: 25 cm: 40 – 90 mm; 50 cm: 80 – 160 mm
Ø del campo luminoso con una distancia de trabajo de: 25 cm: 40 – 90 mm; 50 cm: 80 – 160 mm
Ø du champs éclairé pendant distance de travail de: 25 cm: 40 – 90 mm; 50 cm: 80 – 160 mm
Ø dell'area luminosa a distanza lavorativa di: 25 cm: 40 – 90 mm; 50 cm: 80 – 160 mm

1 Doppellinsensystem
Double lens system
Sistema de lente doble
Système de lentilles doubles
Sistema a doppie lenti

2 Einhandverstellung
Adjustable by one hand
Regulación a través de una sola mano
Réglage par une main
Regolabile con una sola mano

3 Kugelgelenk
Ball joint
Articulación de bola
Joint à rotule
Giunto sferico



Kamerasysteme, Kaltlichtquellen, Geräte und Zubehör finden Sie in unserem VISIOMED Sonderprospekt:
Camera systems, fibre optic light sources, equipment and accessories you will find in our special brochure VISIOMED.
Sistemas de cameras, Fuentes de luz, aparatos y accesorios se encuentran nuestro folleto especial VISIOMED
Les systèmes de cameras, projecteurs de lumière à froide, appareils et accessoires vous trouverez dans notre prospectus spécial VISIOMED.
Sistemi camere, fonti di luce le ricevete, apparecchi e accessori lo troverete nel prospetto speciale VISIOMED.



44.75.20

LED-Stirnlampe mit Batterie **LED head light with battery** **LED lámpara frontal con pila** **DEL lampe frontale avec pile** **LED lampada frontale con batteria**
Einhandverstellung Adjustable by one hand Regulación a través de una sola mano Réglage par une main Regolabile con una sola mano
Stirnband aus Kunststoff, verstellbar und gepolstert Plastic headband, adjustable and upholstered Cinta frontal de material plástico, ajustable y acolchado Bandeau frontal en matière plastique, réglable et rembourré Fascia frontale di plastica, regolabile e imbottitura
geringes Gewicht Light weight Peso muy ligero Poids réduit Peso minimo
Betriebsdauer ca. 80 Stunden Lifespan approximately 80 hrs Vida útil aproximadamente 80 horas Durée de vie environs 80 heures Durata circa 80 ore

Optionales Zubehör
Optional accessories
Accesorios opcionales
Accessoires optionnels
Accessori opzionali



Lampe allein mit Batterien Lamp only with batteries Lámpara solo con pilas Lampe seule avec piles Lampada solo con pile		**44.75.21**
Ersatzbatterie 4 Stück werden benötigt Spare battery 4 pieces needed Pila de repuesto se necesitan 4 piezas Pile de rechange 4 pièces requises Pila di ricambio sono necessari 4 pezzi		**44.75.22**

Advertisement

the art of surgery

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Altri prodotti MEDICON si trovano nel nostro catalogo generale



45.54.03

Rahmen allein, mit Zahn- und Wangenhaken
Frame only, with tooth hooks and cheek retractors
Bastidor solo, con ganchos dentales y separadores de mejillas
Cadre seul, avec crochets à dents et ecarteurs pour joues
Telaio solo, con ganci dentali e divaricatori per guancia



45.54.02

Wang



1
55 × 32 mm
45.54.05

2
65 × 35 mm
45.54.06

3
75 × 38 mm
45.54.07

Zungendrücker allein
Tongue depressor only
Bajalengua sola
Abaisse-langue seule
Abbassalingua solo

komplett, bestehend aus:
complete, consisting of:
completo, compuesto de:
complet, se composant de:
completo, composto da:

1	Rahmen Frame Bastidor Cadre Telaio	1×45.54.03
2	Zahnhaken Tooth hooks Ganchos dentales Crochets à dents Ganci dentali	
2	Wangenhaken Cheek retractors Separadores de mejillas Ecarteurs pour joues Divaricatori per guancia	
3	Zungendrücker Tongue depressors Bajalengua Abaisse-langues Abbassalingua	1× 45.54.05 1× 45.54.06 1× 45.54.07



45.51.21

45.51.22

Standardgröße
Standard size
Tamaño estándar
Taille standard
Modello standard



45.51.27

für Kinder
for children
para niños
pour enfants
per bambini

45.51.02
Davis-Boyle

komplett, bestehend aus:
complete, consisting of:
completo, compuesto de:
complet, se composant de:
completo, composto da:

1	Rahmen Frame Bastidor Cadre Telaio	1× 45.51.22
5	Zungendrücker Tongue depressors Bajalengua Abaisse-langues Abbassalingua	1× 45.51.11 1× 45.51.12 1× 45.51.13 1× 45.51.14 1× 45.51.15



1
20 × 25 mm
45.51.11

2
22 × 65 mm
45.51.12

3
24 × 75 mm
45.51.13

4
25 × 90 mm
45.51.14

5
26 × 110 mm
45.51.15

904.50.02
Ersatz-Silikoneinlage für Gebissplatten
Spare silicone insert for bite plate
Plantilla de silicona de repuesto para placas de dentadura
Plaque de rechange en silicone, pour plaques à denture
Piastra di ricambio in silicone per placche dentarie

Alle Rahmen und Zungendrücker der abgebildeten Mundsperrer sind untereinander austauschbar.
All frames and tongue blades for the mouth gags illustrated are interchangeable.
Todos los bastidores y bajalenguas de los abrebocas ilustrados son intercambiables entre ellos.
Tous les cadres et abaisse-langues faisant partie des ouvre-bouches illustrés ci-dessus sont interchangeables.
Tutti i telai ed abbassalingua degli apribocca illustrati sono intercambiabili tra loro e possono essere combinati facoltativamente.



45.52.22
Rahmen allein
Frame only
Bastidor solo
Cadre seul
Telaio solo

45.52.23
für Kinder
for children
para niños
pour enfants
per bambini

Davis-Mayer



# 1 29 × 70 mm	**45.52.11**
# 2 30,5 × 75 mm	**45.52.12**
# 3 31,5 × 80 mm	**45.52.13**
# 4 32,5 × 85 mm	**45.52.14**
# 5 33,5 × 95 mm	**45.52.15**
# 6 33,8 × 100 mm	**45.52.16**
# 7 34 × 105 mm	**45.52.17**



45.52.19
Gaumenplatte
Palate plate
Placa paladial
Plaque palatine
Placca palatina

45.52.02
Davis-Mayer

komplett, bestehend aus:
complete, consisting of:
completo, compuesto de:
complet, se composant de:
completo, composto da:

1	Rahmen Frame Bastidor Cadre Telaio	1× 45.52.22
7	Zungendrücker Tongue depressors Bajalengua Abaisse-langues Abbassalingua	1× 45.52.11 1× 45.52.12 1× 45.52.13 1× 45.52.14 1× 45.52.15 1× 45.52.16 1× 45.52.17

904.50.41
Ersatz-Silikoneinlage für Gebissplatten
Spare silicone insert for bite plate
Plantilla de silicona de repuesto para placas de dentadura
Plaque de rechange en silicone, pour plaques à denture
Piastra di ricambio in silicone per placche dentarie



45.53.20

Rahmen allein
Frame only
Bastidor solo
Cadre seul
Telaio solo

McIvor



1
23 × 70 mm
45.53.11

2
25 × 86 mm
45.53.12

3
26 × 100 mm
45.53.13

45.53.00
McIvor

komplett, bestehend aus:
complete, consisting of:
completo, compuesto de:
complet, se composant de:
completo, composto da:

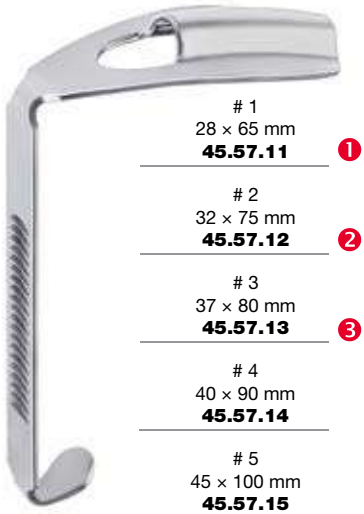
1	Rahmen Frame Bastidor Cadre Telaio	1× 45.53.20
3	Zungendrücker Tongue depressors Bajalengua Abaisse-langues Abbassalingua	1× 45.53.11 1× 45.53.12 1× 45.53.13



45.57.22

Rahmen allein
Frame only
Bastidor solo
Cadre seul
Telaio solo

Kilner-Doughty



1
28 × 65 mm
45.57.11 ❶

2
32 × 75 mm
45.57.12 ❷

3
37 × 80 mm
45.57.13 ❸

4
40 × 90 mm
45.57.14

5
45 × 100 mm
45.57.15

45.57.02
Kilner-Doughty

komplett, bestehend aus:
complete, consisting of:
completo, compuesto de:
complet, se composant de:
completo, composto da:

1	Rahmen Frame Bastidor Cadre Telaio	1× 45.57.22
3	Zungendrücker Tongue depressors Bajalengua Abaisse-langues Abbassalingua	1× 45.57.11 ❶ 1× 45.57.12 ❷ 1× 45.57.13 ❸
1	Gaumenplatte Palate plate Placa paladial Plaque palatine Placca palatina	1× 45.57.19



45.57.19

Gaumenplatte
Palate plate
Placa paladial
Plaque palatine
Placca palatina

45.59.90

Bruststütze für alle Mundsperrer
Chest support for all mouth gags
Soporte de pecho para todos los abrebocas
Support de poitrine pour tous les ouvre-bouches
Supporto sternale per tutti gli apribocca

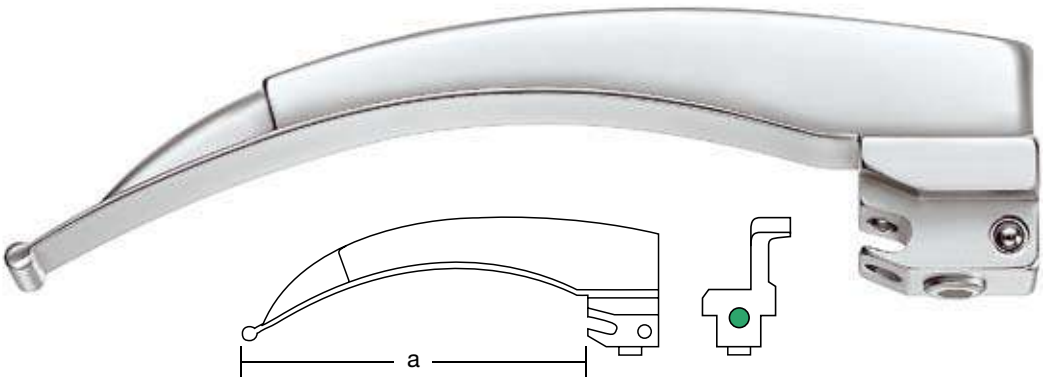


Negus



McINTOSH

Spatel
Blades
Espátulas
Spatules
Lame



1:1

45.15.63

45.15.60	a = 55 mm	Fig. 0
45.15.61	a = 70 mm	Fig. 1
45.15.62	a = 90 mm	Fig. 2
45.15.63	a = 110 mm	Fig. 3
45.15.64	a = 130 mm	Fig. 4

autoklavierbar bis 134°C bei 3 bar
autoclavable up to 134°C at 3 bar
autoclavable hasta 134°C bajo presión de 3 bar
autoclavable jusqu'à 134°C sous pression de 3 bars
autoclavabile fino a 134°C sotto pressione di 3 bar

McINTOSH

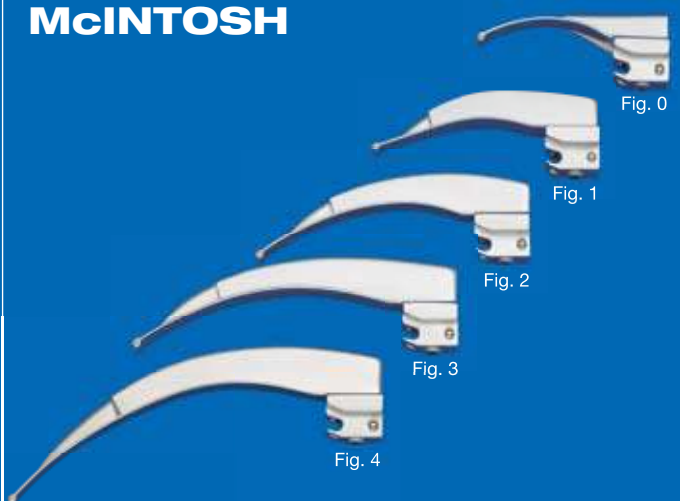


Fig. 0	Neugeborene Newborns Recién nacidos Nouveau-nés Neonati
Fig. 1	Kleinkinder Infants Niños de corta edad Petits enfants Bambini in età da allattamento
Fig. 2	Kinder Children Niños Enfants Bambini
Fig. 3	Erwachsene Adults Adultos
Fig. 4	Adultes Adulti

McINTOSH

Satz, komplett im Etui
Set, complete in case
Juego, completo en estuche
Jeu complet en étui
Set, completo di custodia





Bestehend aus: / Consisting of: / Compuesto de: / Composant de: / Composto da:	45.15.50	45.15.51
Standardgriff mit / Standard handle with / Mango estándar con / Manche standard avec / Manico standard con	Batteriecontainer (1 Stück) / Battery container (1 piece) / Contenedor de pilas (1 unidad) / Container à piles (1 pièce) / Contenitore per batterie (1 pezzo)	
Spatel / Blades / Espátulas / Spatules / Lame	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4
Lampe / Lamp / Lámpara / Lampe / Lampadina	Krypton 2,5 V (1 Stück) / Krypton 2,5 V (1 piece) / Criptón de 2,5 V (1 unidad) / Krypton 2,5 V (1 pièce) / Krypton 2,5 V (1 pezzo)	
Batterien / Batteries / Pilas / Piles / Batterie	2 Stück / 2 pieces / 2 unidades / 2 pièces / 2 pezzi	2 Stück / 2 pieces / 2 unidades / 2 pièces / 2 pezzi
Ersatzlampe / Replacement lamp / Lámpara de repuesto / Lampe de rechange / Lampadina di ricambio	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo



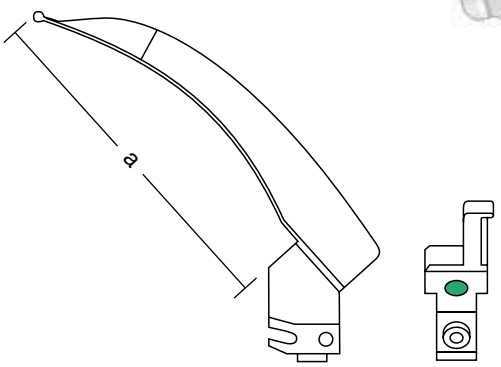
Bestehend aus: / Consisting of: / Compuesto de: / Composant de: / Composto da:	45.15.54	45.15.55	LED 45.15.56	LED 45.15.57
Standardgriff mit / Standard handle with / Mango estándar con / Manche standard avec / Manico standard con	Induktiv-Akku (1 Stück) / Inductive accumulator (1 piece) / Acumulador inductivo (1 unidad) / Accumulateur inductif (1 pièce) / Accumulatore induttivo (1 pezzo)		Li-Ion Induktiv-Akku (1 Stück) / Li-Ion Inductive accumulator (1 piece) / Li-Ion Acumulador inductivo (1 unidad) / Li-Ion Accumulateur inductif (1 pièce) / Li-Ion Accumulatore induttivo (1 pezzo)	
Spatel / Blades / Espátulas / Spatules / Lame	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4
Lampe / Lamp / Lámpara / Lampe / Lampadina	Xenon 3 V (1 Stück) / Xenon 3 V (1 piece) / Xenón de 3 V (1 unidad) / Xénon 3 V (1 pièce) / Xenon 3 V (1 pezzo)		Leuchtdiode / Light-emitting diode / Diodo luminoso / Diode électroluminescente / Diodo luminescente	
Ersatzlampe / Replacement lamp / Lámpara de repuesto / Lampe de rechange / Lampadina di ricambio	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo	- - -	- - -

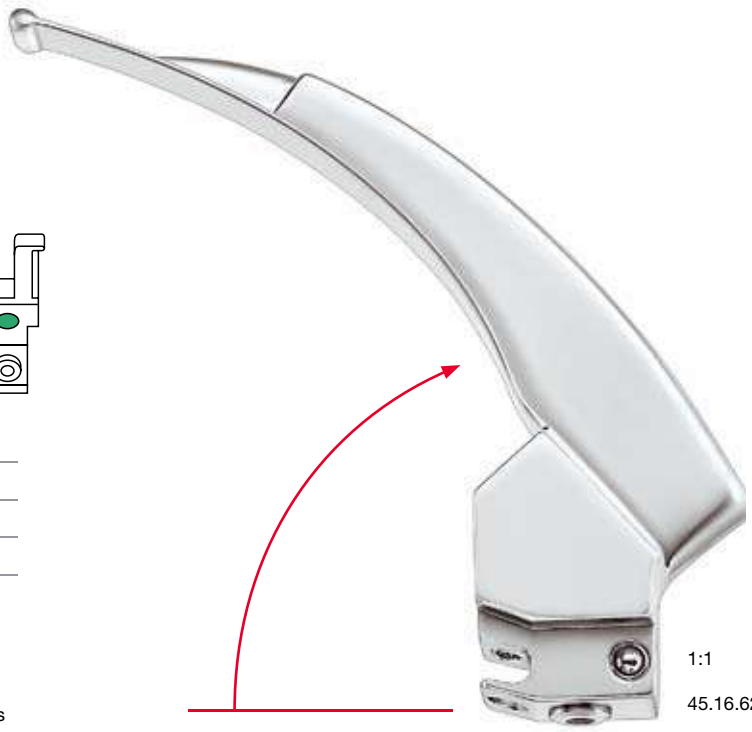
Zubehör (siehe Seite 204-207, 209-210)
Accessories (see page 204-207, 209-210)
Accesorios (véase página 204-207, 209-210)
Accessoires (voyez page 204-207, 209-210)
Accessori (vedi pagina 204-207, 209-210)



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Reklinations-Spatel (aufgewinkelt)
Reclination Blades (angled upwards)
Espátulas de reclinación (angulado hacia arriba)
Spatules de réclinaison (angulaire en haut)
Lame per reclinazione (angolate verso l'alto)





45.16.61	a = 70 mm	Fig. 1
45.16.62	a = 90 mm	Fig. 2
45.16.63	a = 110 mm	Fig. 3
45.16.64	a = 140 mm	Fig. 4

1:1

45.16.62

autoklavierbar bis 134°C bei 3 bar
autoclavable up to 134°C at 3 bar
autoclavable hasta 134°C bajo presión de 3 bar
autoclavable jusqu'à 134°C sous pression de 3 bars
autoclavabile fino a 134°C sotto pressione di 3 bar

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Fig. 1	Kleinkinder Infants Niños de corta edad Petits enfants Bambini in età da allattamento
Fig. 2	Kinder Children Niños Enfants Bambini
Fig. 3	Erwachsene (klein) Adults (small) Adultos (pequeño) Adultes (petit) Adulti (piccolo)
Fig. 4	Erwachsene (mittel) Adults (medium) Adultos (mediano) Adultes (moyen) Adulti (medio)

Satz, komplett im Etui
Set, complete in case
Juego, completo en estuche
Jeu complet en étui
Set, completo di custodia





Bestehend aus: / Consisting of: / Compuesto por: / Composé de: / Composto di:	45.16.50	45.16.51
Lampe / Lamp / Lámpara / Lampe / Lampadina	Krypton 2,5 V (1 Stück) / Krypton 2,5 V (1 piece) / Criptón de 2,5 V (1 unidad) / Krypton 2,5 V (1 pièce) / Krypton 2,5 V (1 pezzo)	
Spatel / Blades / Espátulas / Spatules / Lame	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4
Standardgriff mit / Standard handle with / Mango estándar con / Manche standard avec / Manico standard con	Batteriecontainer (1 Stück) / Battery container (1 piece) / Contenedor de pilas (1 unidad) / Container à piles (1 pièce) / Contenitore per batterie (1 pezzo)	
Batterien / Batteries / Pilas / Piles / Batterie	2 Stück / 2 pieces / 2 unidades / 2 pièces / 2 pezzi	2 Stück / 2 pieces / 2 unidades / 2 pièces / 2 pezzi
Ersatzlampe / Replacement lamp / Lámpara de repuesto / Lampe de rechange / Lampadina di ricambio	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo



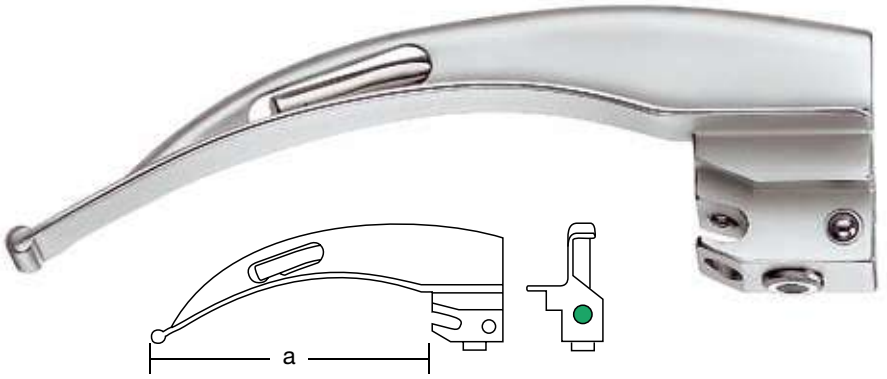
Bestehend aus: / Consisting of: / Compuesto por: / Composé de: / Composto di:	45.16.54	45.16.55	LED 45.16.56	LED 45.16.57
Lampe / Lamp / Lámpara / Lampe / Lampadina	Xenon 3 V (1 Stück) / Xenon 3 V (1 piece) / Xenón de 3 V (1 unidad) / Xénon 3 V (1 pièce) / Xenon 3 V (1 pezzo)		Leuchtdiode / Light-emitting diode / Diodo luminoso / Diode électroluminescente / Diodo luminescente	
Spatel / Blades / Espátulas / Spatules / Lame	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4
Standardgriff mit / Standard handle with / Mango estándar con / Manche standard avec / Manico standard con	Induktiv-Akku (1 Stück) / Inductive accumulator (1 piece) / Acumulador inductivo (1 unidad) / Accumulateur inductif (1 pièce) / Accumulatore induttivo (1 pezzo)		Li-Ion Induktiv-Akku (1 Stück) / Li-Ion Inductive accumulator (1 piece) / Li-Ion Acumulador inductivo (1 unidad) / Li-Ion Accumulateur inductif (1 pièce) / Li-Ion Accumulatore induttivo (1 pezzo)	
Ersatzlampe / Replacement lamp / Lámpara de repuesto / Lampe de rechange / Lampadina di ricambio	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo	- - -	- - -

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McINTOSH

Spatel mit auswechselbarem Lichtträger
Blades with exchangeable light carrier
Espátulas con portador de luz fría intercambiable
Spatules avec porteur de lumière échangeable
Lame con portatore d'illuminazione intercambiabile



1:1

45.17.62

45.17.61	a = 70 mm	Fig. 1
45.17.62	a = 90 mm	Fig. 2
45.17.63	a = 110 mm	Fig. 3
45.17.64	a = 130 mm	Fig. 4

autoklavierbar bis 134°C bei 3 bar
autoclavable up to 134°C at 3 bar
autoclavable hasta 134°C bajo presión de 3 bar
autoclavable jusqu'à 134°C sous pression de 3 bars
autoclavabile fino a 134°C sotto pressione di 3 bar



Lichtträger allein	**45.17.81**	Fig. 1
Light carriers only	**45.17.82**	Fig. 2
Portadores de luz solos	**45.17.83**	Fig. 3
Supports de lumière seuls	**45.17.84**	Fig. 4
Supporti per illuminazione soli		

McINTOSH

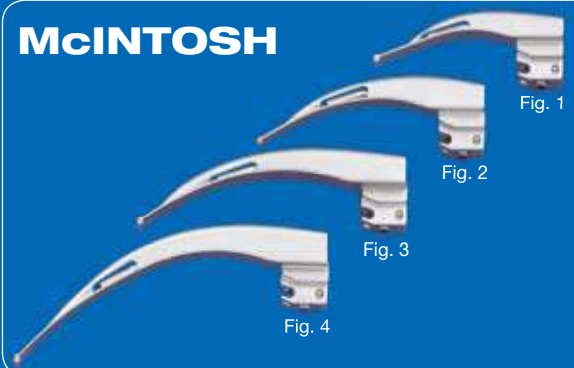


Fig. 1	Kleinkinder Infants Niños de corta edad Petits enfants Bambini in età da allattamento
Fig. 2	Kinder Children Niños Enfants Bambini
Fig. 3	Erwachsene Adults Adultos
Fig. 4	Adultes Adulti

Satz, komplett im Etui
Set, complete in case
Juego, completo en estuche
Jeu complet en étui
Set, completo di custodia





Bestehend aus: / Consisting of: / Compuesto por: / Composé de: / Composto di:	45.17.50	45.17.51
Lampe / Lamp / Lámpara / Lampe / Lampadina	Krypton 2,5 V (1 Stück) / Krypton 2,5 V (1 piece) / Criptón de 2,5 V (1 unidad) / Krypton 2,5 V (1 pièce) / Krypton 2,5 V (1 pezzo)	
Spatel / Blades / Espátulas / Spatules / Lame	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4
Standardgriff mit / Standard handle with / Mango estándar con / Manche standard avec / Manico standard con	Batteriecontainer (1 Stück) / Battery container (1 piece) / Contenedor de pilas (1 unidad) / Container à piles (1 pièce) / Contenitore per batterie (1 pezzo)	
Batterien / Batteries / Pilas / Piles / Batterie	2 Stück / 2 pieces / 2 unidades / 2 pièces / 2 pezzi	2 Stück / 2 pieces / 2 unidades / 2 pièces / 2 pezzi
Ersatzlampe / Replacement lamp / Lámpara de repuesto / Lampe de rechange / Lampadina di ricambio	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo



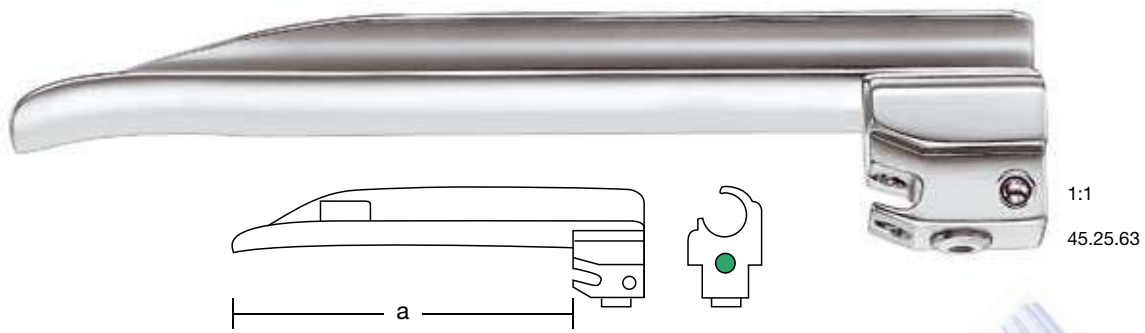
Bestehend aus: / Consisting of: / Compuesto por: / Composé de: / Composto di:	45.17.54	45.17.55	LED 45.17.56	LED 45.17.57
Lampe / Lamp / Lámpara / Lampe / Lampadina	Xenon 3 V (1 Stück) / Xenon 3 V (1 piece) / Xenón de 3 V (1 unidad) / Xénon 3 V (1 pièce) / Xenon 3 V (1 pezzo)		Leuchtdiode / Light-emitting diode / Diodo luminoso / Diode électroluminescente / Diodo luminescente	
Spatel / Blades / Espátulas / Spatules / Lame	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4
Standardgriff mit / Standard handle with / Mango estándar con / Manche standard avec / Manico standard con	Induktiv-Akku (1 Stück) / Inductive accumulator (1 piece) / Acumulador inductivo (1 unidad) / Accumulateur inductif (1 pièce) / Accumulatore induttivo (1 pezzo)		Li-Ion Induktiv-Akku (1 Stück) / Li-Ion Inductive accumulator (1 piece) / Li-Ion Acumulador inductivo (1 unidad) / Li-Ion Accumulateur inductif (1 pièce) / Li-Ion Accumulatore induttivo (1 pezzo)	
Ersatzlampe / Replacement lamp / Lámpara de repuesto / Lampe de rechange / Lampadina di ricambio	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo	- - -	- - -

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FOREGGER

Spatel
Blades
Espátulas
Spatules
Lame



1:1

45.25.63



45.25.60	a = 55 mm	Fig. 0
45.25.61	a = 70 mm	Fig. 1
45.25.62	a = 90 mm	Fig. 2
45.25.63	a = 110 mm	Fig. 3
45.25.64	a = 130 mm	Fig. 4

autoklavierbar bis 134°C bei 3 bar
autoclavable up to 134°C at 3 bar
autoclavable hasta 134°C bajo presión de 3 bar
autoclavable jusqu'à 134°C sous pression de 3 bars
autoclavabile fino a 134°C sotto pressione di 3 bar

FOREGGER



Fig. 0	Neugeborene Newborns Recién nacidos Nouveau-nés Neonati
Fig. 1	Kleinkinder Infants Niños de corta edad Petits enfants Bambini in età da allattamento
Fig. 2	Kinder Children Niños Enfants Bambini
Fig. 3	Erwachsene Adults Adultos
Fig. 4	Adultes Adulti

Satz, komplett im Etui
Set, complete in case
Juego, completo en estuche
Jeu complet en étui
Set, completo di custodia





Bestehend aus: / Consisting of: / Compuesto por: / Composé de: / Composto di:	45.25.50	45.25.51
Lampe / Lamp / Lámpara / Lampe / Lampadina	Krypton 2,5 V (1 Stück) / Krypton 2,5 V (1 piece) / Criptón de 2,5 V (1 unidad) / Krypton 2,5 V (1 pièce) / Krypton 2,5 V (1 pezzo)	
Spatel / Blades / Espátulas / Spatules / Lame	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4
Standardgriff mit / Standard handle with / Mango estándar con / Manche standard avec / Manico standard con	Batteriecontainer (1 Stück) / Battery container (1 piece) / Contenedor de pilas (1 unidad) / Container à piles (1 pièce) / Contenitore per batterie (1 pezzo)	
Batterien / Batteries / Pilas / Piles / Batterie	2 Stück / 2 pieces / 2 unidades / 2 pièces / 2 pezzi	2 Stück / 2 pieces / 2 unidades / 2 pièces / 2 pezzi
Ersatzlampe / Replacement lamp / Lámpara de repuesto / Lampe de rechange / Lampadina di ricambio	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo



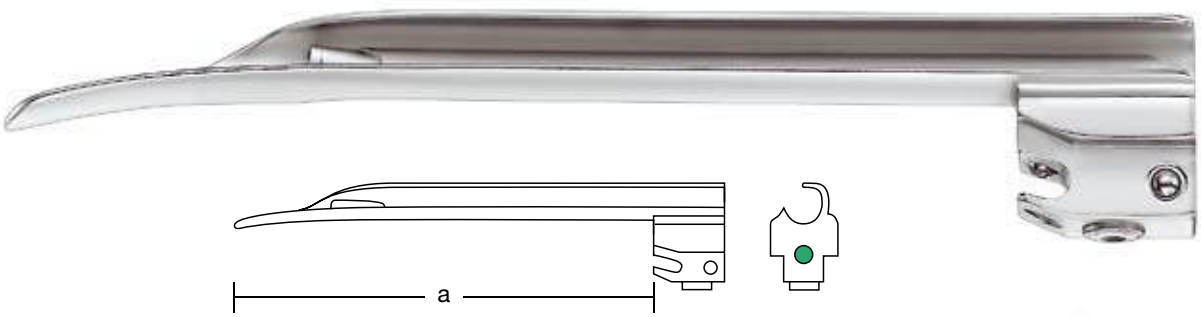
Bestehend aus: / Consisting of: / Compuesto por: / Composé de: / Composto di:	45.25.54	45.25.55	LED 45.25.56	LED 45.25.57
Lampe / Lamp / Lámpara / Lampe / Lampadina	Xenon 3 V (1 Stück) / Xenon 3 V (1 piece) / Xenón de 3 V (1 unidad) / Xénon 3 V (1 pièce) / Xenon 3 V (1 pezzo)		Leuchtdiode / Light-emitting diode / Diodo luminoso / Diode électroluminescente / Diodo luminescente	
Spatel / Blades / Espátulas / Spatules / Lame	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4
Standardgriff mit / Standard handle with / Mango estándar con / Manche standard avec / Manico standard con	Induktiv-Akku (1 Stück) / Inductive accumulator (1 piece) / Acumulador inductivo (1 unidad) / Accumulateur inductif (1 pièce) / Accumulatore induttivo (1 pezzo)		Li-Ion Induktiv-Akku (1 Stück) / Li-Ion Inductive accumulator (1 piece) / Li-Ion Acumulador inductivo (1 unidad) / Li-Ion Accumulateur inductif (1 pièce) / Li-Ion Accumulatore induttivo (1 pezzo)	
Ersatzlampe / Replacement lamp / Lámpara de repuesto / Lampe de rechange / Lampadina di ricambio	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo	- - -	- - -

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MILLER

Spatel
Blades
Espátulas
Spatules
Lame



1:1

45.28.62

45.28.60	a = 55 mm	Fig. 0
45.28.61	a = 80 mm	Fig. 1
45.28.62	a = 130 mm	Fig. 2
45.28.63	a = 170 mm	Fig. 3
45.28.64	a = 190 mm	Fig. 4



autoklavierbar bis 134°C bei 3 bar
autoclavable up to 134°C at 3 bar
autoclavable hasta 134°C bajo presión de 3 bar
autoclavable jusqu'à 134°C sous pression de 3 bars
autoclavabile fino a 134°C sotto pressione di 3 bar

MILLER

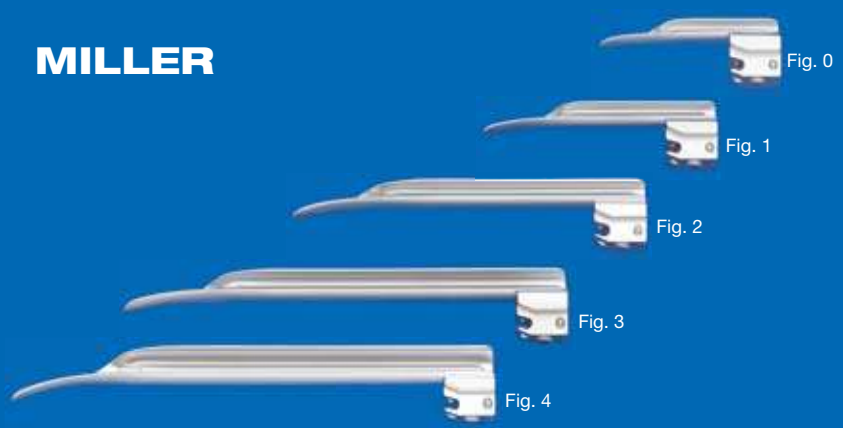


Fig. 0	Neugeborene Newborns Recién nacidos Nouveau-nés Neonati
Fig. 1	Kleinkinder Infants Niños de corta edad Petits enfants Bambini in età da allattamento
Fig. 2	Kinder Children Niños Enfants Bambini
Fig. 3	Erwachsene Adults Adultos
Fig. 4	Adultes Adulti

Satz, komplett im Etui
Set, complete in case
Juego, completo en estuche
Jeu complet en étui
Set, completo di custodia





Bestehend aus: / Consisting of: / Compuesto por: / Composé de: / Composto di:	45.28.50	45.28.51
Lampe / Lamp / Lámpara / Lampe / Lampadina	Krypton 2,5 V (1 Stück) / Krypton 2,5 V (1 piece) / Criptón de 2,5 V (1 unidad) / Krypton 2,5 V (1 pièce) / Krypton 2,5 V (1 pezzo)	
Spatel / Blades / Espátulas / Spatules / Lame	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4
Standardgriff mit / Standard handle with / Mango estándar con / Manche standard avec / Manico standard con	Batteriecontainer (1 Stück) / Battery container (1 piece) / Contenedor de pilas (1 unidad) / Container à piles (1 pièce) / Contenitore per batterie (1 pezzo)	
Batterien / Batteries / Pilas / Piles / Batterie	2 Stück / 2 pieces / 2 unidades / 2 pièces / 2 pezzi	2 Stück / 2 pieces / 2 unidades / 2 pièces / 2 pezzi
Ersatzlampe / Replacement lamp / Lámpara de repuesto / Lampe de rechange / Lampadina di ricambio	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo

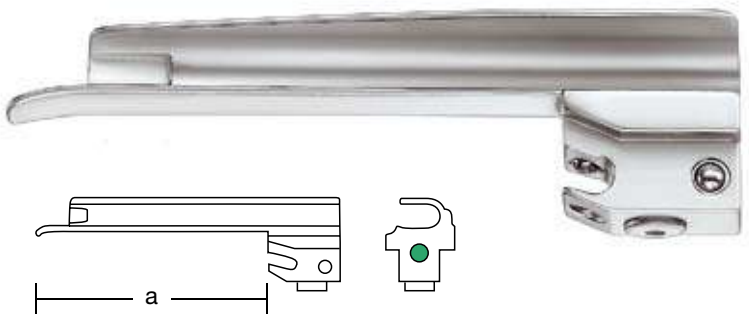


Bestehend aus: / Consisting of: / Compuesto por: / Composé de: / Composto di:	45.28.54	45.28.55	LED 45.28.56	LED 45.28.57
Lampe / Lamp / Lámpara / Lampe / Lampadina	Xenon 3 V (1 Stück) / Xenon 3 V (1 piece) / Xenón de 3 V (1 unidad) / Xénon 3 V (1 pièce) / Xenon 3 V (1 pezzo)		Leuchtdiode / Light-emitting diode / Diodo luminoso / Diode électroluminescente / Diodo luminescente	
Spatel / Blades / Espátulas / Spatules / Lame	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4
Standardgriff mit / Standard handle with / Mango estándar con / Manche standard avec / Manico standard con	Induktiv-Akku (1 Stück) / Inductive accumulator (1 piece) / Acumulador inductivo (1 unidad) / Accumulateur inductif (1 pièce) / Accumulatore induttivo (1 pezzo)		Li-Ion Induktiv-Akku (1 Stück) / Li-Ion Inductive accumulator (1 piece) / Li-Ion Acumulador inductivo (1 unidad) / Li-Ion Accumulateur inductif (1 pièce) / Li-Ion Accumulatore induttivo (1 pezzo)	
Ersatzlampe / Replacement lamp / Lámpara de repuesto / Lampe de rechange / Lampadina di ricambio	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo	1 Stück / 1 piece / 1 unidad / 1 pièce / 1 pezzo	- - -	- - -

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Pädiatrie-Spatel
Pediatric blades
Espátulas de pediátricos
Spatules de pédiatriques
Lame per pediatria



1:1

45.29.62

45.29.60	a = 40 mm	Fig. 0
45.29.61	a = 55 mm	Fig. 1
45.29.62	a = 70 mm	Fig. 2

autoklavierbar bis 134°C bei 3 bar
autoclavable up to 134°C at 3 bar
autoclavable hasta 134°C bajo presión de 3 bar
autoclavable jusqu'à 134°C sous pression de 3 bars
autoclavabile fino a 134°C sotto pressione di 3 bar



Fig. 0	Neugeborene Newborns Recién nacidos Nouveau-nés Neonati
Fig. 1	Kleinkinder Infants Niños de corta edad Petits enfants Bambini in età da allattamento
Fig. 2	Kinder Children Niños Enfants Bambini

Satz, komplett im Etui
Set, complete in case
Juego, completo en estuche
Jeu complet en étui
Set, completo di custodia





Bestehend aus: Consisting of: Compuesto por: Composé de: Composto di:	**45.29.50**
Lampe **Lamp** **Lámpara** **Lampe** **Lampadina**	Krypton 2,5 V (1 Stück) Krypton 2,5 V (1 piece) Criptón de 2,5 V (1 unidad) Krypton 2,5 V (1 pièce) Krypton 2,5 V (1 pezzo)
Spatel **Blades** **Espátulas** **Spatules** **Lame**	**3** Fig. 0, 1, 2
Standardgriff mit **Standard handle with** **Mango estándar con** **Manche standard avec** **Manico standard con**	Batteriecontainer (1 Stück) Battery container (1 piece) Contenedor de pilas (1 unidad) Container à piles (1 pièce) Contenitore per batterie (1 pezzo)
Batterien **Batteries** **Pilas** **Piles** **Batterie**	2 Stück 2 pieces 2 unidades 2 pièces 2 pezzi
Ersatzlampe **Replacement lamp** **Lámpara de repuesto** **Lampe de rechange** **Lampadina di ricambio**	1 Stück 1 piece 1 unidad 1 pièce 1 pezzo



Bestehend aus: Consisting of: Compuesto por: Composé de: Composto di:	**45.29.54**	**LED** **45.29.56**
Lampe **Lamp** **Lámpara** **Lampe** **Lampadina**	Xenon 3 V (1 Stück) Xenon 3 V (1 piece) Xenón de 3 V (1 unidad) Xénon 3 V (1 pièce) Xenon 3 V (1 pezzo)	Leuchtdiode Light-emitting diode Diodo luminoso Diode électroluminescente Diodo luminescente
Spatel **Blades** **Espátulas** **Spatules** **Lame**	**3** Fig. 0, 1, 2	**3** Fig. 0, 1, 2
Standardgriff mit **Standard handle with** **Mango estándar con** **Manche standard avec** **Manico standard con**	Induktiv-Akku (1 Stück) Inductive accumulator (1 piece) Acumulador inductivo (1 unidad) Accumulateur inductif (1 pièce) Accumulatore induttivo (1 pezzo)	Li-Ion Induktiv-Akku (1 Stück) Li-Ion Inductive accumulator (1 piece) Li-Ion Acumulador inductivo (1 unidad) Li-Ion Accumulateur inductif (1 pièce) Li-Ion Accumulatore induttivo (1 pezzo)
Ersatzlampe **Replacement lamp** **Lámpara de repuesto** **Lampe de rechange** **Lampadina di ricambio**	1 Stück 1 piece 1 unidad 1 pièce 1 pezzo	- - -

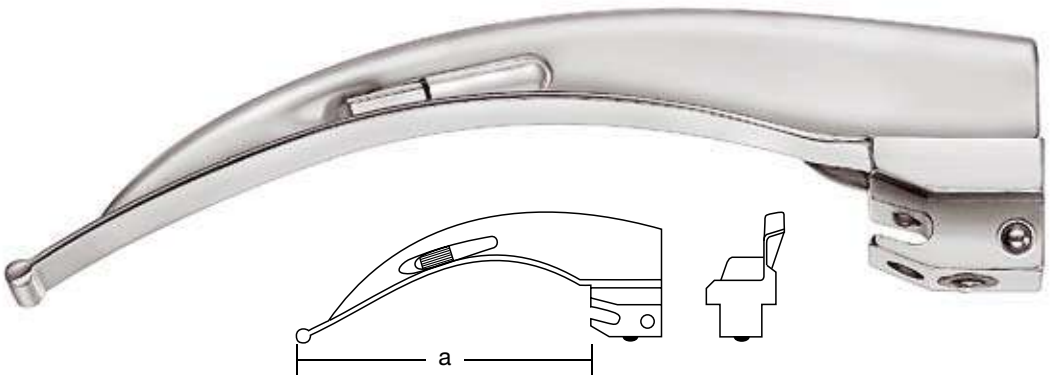
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Laryngoskope mit Glühlampe im Spatel
Laryngoscopes with Integrated Bulb in the Blade
Laringoscopio con lámpara incandescente en la espátula
Laryngoscopes avec lampe dans la spatule
Laringoscopi con lampadina nella lama



McINTOSH

Spatel
Blades
Espátulas
Spatules
Lame



1:1

45.01.13

45.01.10	a = 55 mm	Fig. 0
45.01.11	a = 70 mm	Fig. 1
45.01.12	a = 90 mm	Fig. 2
45.01.13	a = 110 mm	Fig. 3
45.01.14	a = 130 mm	Fig. 4
45.01.15	a = 150 mm	Fig. 5

autoklavierbar bis 134°C bei 3 bar
autoclavable up to 134°C at 3 bar
autoclavable hasta 134°C bajo presión de 3 bar
autoclavable jusqu'à 134°C sous pression de 3 bars
autoclavabile fino a 134°C sotto pressione di 3 bar

McINTOSH

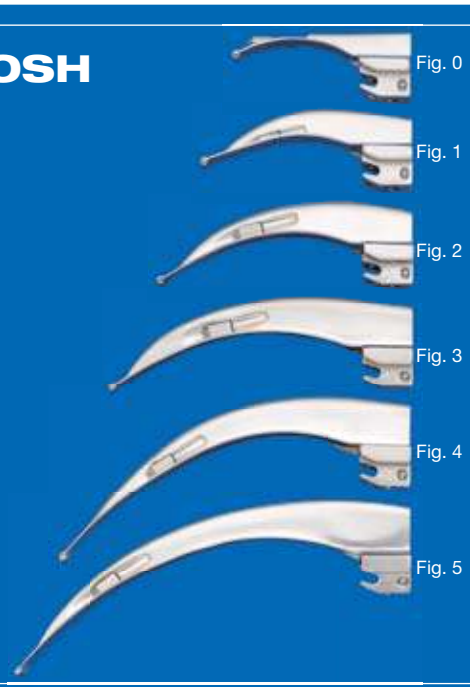


Fig. 0	Neugeborene Newborns Recién nacidos Nouveau-nés Neonati
Fig. 1	Kleinkinder Infants Niños de corta edad Petits enfants Bambini in età da allattamento
Fig. 2	Kinder Children Niños Enfants Bambini
Fig. 3	Erwachsene (groß) Adults (large)
Fig. 4	Adultos (grande) Adultes (large)
Fig. 5	Adulti (grande)

McINTOSH

Satz, komplett im Etui
Set, complete in case
Juego, completo en estuche
Jeu complet en étui
Set, completo di custodia





Bestehend aus: Consisting of: Compuesto por: Composé de: Composto di:	**45.01.00**	**45.01.05**
Spatel **Blades** **Espátulas** **Spatules** **Lame**	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4
Standardgriff mit **Standard handle with** **Mango estándar con** **Manche standard avec** **Manico standard con**	Batterien (2 Stück) Batteries (2 pieces) Pilas (2 unidades) Piles (2 pièces) Batterie (2 pezzi)	
Ersatzlampen **Replacement lamps** **Lámparas de repuesto** **Lampes de rechange** **Lampadine di ricambio**	2 Stück 2 pieces 2 unidades 2 pièces 2 pezzi	





Bestehend aus: Consisting of: Compuesto por: Composé de: Composto di:	**45.01.01**	**45.01.06**
Spatel **Blades** **Espátulas** **Spatules** **Lame**	**3** Fig. 2, 3, 4	**4** Fig. 1, 2, 3, 4
Standardgriff mit **Standard handle with** **Mango estándar con** **Manche standard avec** **Manico standard con**	Induktiv-Akku (1 Stück) Inductive accumulator (1 piece) Acumulador inductivo (1 unidad) Accumulateur inductif (1 pièce) Accumulatore induttivo (1 pezzo)	
Ersatzlampen **Replacement lamps** **Lámparas de repuesto** **Lampes de rechange** **Lampadine di ricambio**	2 Stück 2 pieces 2 unidades 2 pièces 2 pezzi	

Ersatzlampen für: **Replacement lamps for:** **Lámparas de repuesto para:** **Lampes de rechange pour:** **Lampadine di ricambio per:**	45.01.10 45.01.11	45.01.12 45.01.13 45.01.14 45.01.15
Verpackungseinheit 6 Stück Packing unit 6 pieces Paquete de 6 unidades Emballage de 6 pièces Confezione da 6 pezzi	 **45.48.65**	 **45.48.66**

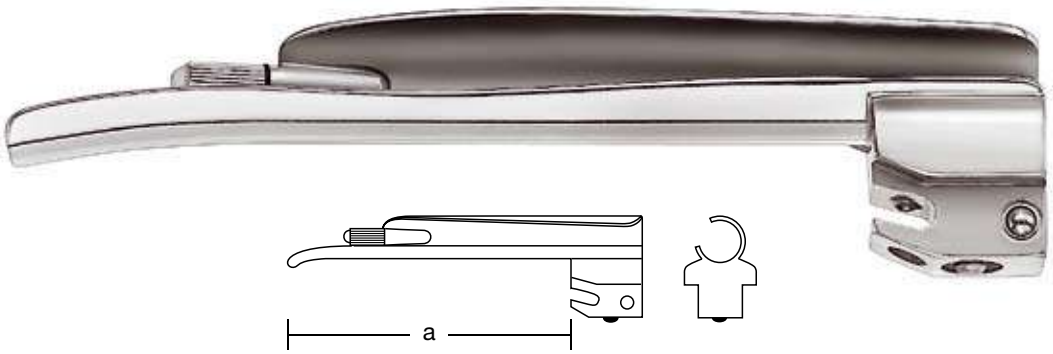
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Laryngoskope mit Glühlampe im Spatel
Laryngoscopes with Integrated Bulb in the Blade
Laringoscopio con lámpara incandescente en la espátula
Laryngoscopes avec lampe dans la spatule
Laringoscopi con lampadina nella lama



WIS-FOREGGER (WISCONSIN)

Spatel
Blades
Espátulas
Spatules
Lame



1:1

45.05.13

45.05.10	a = 55 mm	Fig. 0
45.05.11	a = 70 mm	Fig. 1
45.05.12	a = 90 mm	Fig. 2
45.05.13	a = 110 mm	Fig. 3
45.05.14	a = 135 mm	Fig. 4

autoklavierbar bis 134°C bei 3 bar
autoclavable up to 134°C at 3 bar
autoclavable hasta 134°C bajo presión de 3 bar
autoclavable jusqu'à 134°C sous pression de 3 bars
autoclavabile fino a 134°C sotto pressione di 3 bar

WIS-FOREGGER (WISCONSIN)

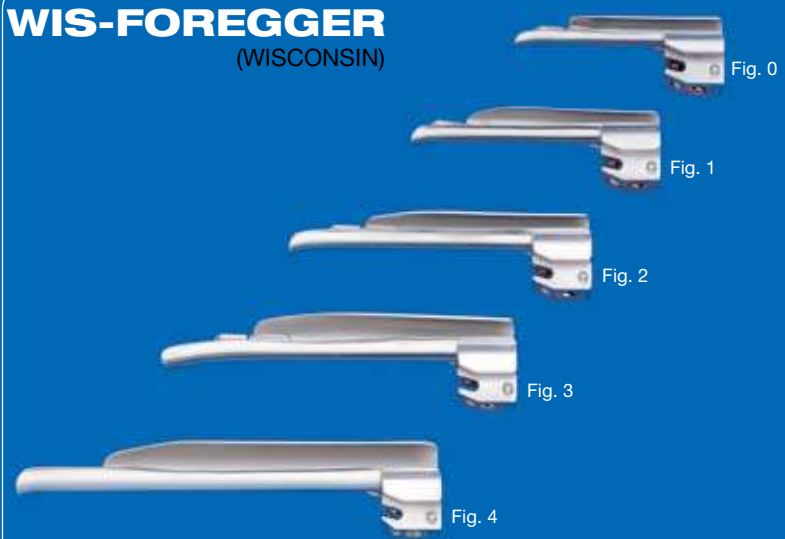


Fig. 0	Neugeborene Newborns Recién nacidos Nouveau-nés Neonati
Fig. 1	Kleinkinder Infants Niños de corta edad Petits enfants Bambini in età da allattamento
Fig. 2	Kinder Children Niños Enfants Bambini
Fig. 3	Erwachsene Adults Adultos
Fig. 4	Adultes Adulti

WIS-FOREGGER (WISCONSIN)

Satz, komplett im Etui
Set, complete in case
Juego, completo en estuche
Jeu complet en étui
Set, completo di custodia





Bestehend aus: Consisting of: Compuesto por: Composé de: Composto di:	45.05.50	45.05.51
Spatel Blades Espátulas Spatules Lame	3 Fig. 2, 3, 4	4 Fig. 1, 2, 3, 4
Standardgriff mit Standard handle with Mango estándar con Manche standard avec Manico standard con	Batterien (2 Stück) Batteries (2 pieces) Pilas (2 unidades) Piles (2 pièces) Batterie (2 pezzi)	
Ersatzlampen Replacement lamps Lámparas de repuesto Lampes de rechange Lampadine di ricambio	2 Stück 2 pieces 2 unidades 2 pièces 2 pezzi	



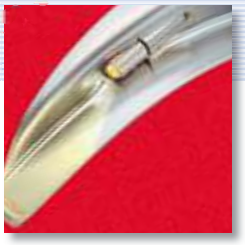


Bestehend aus: Consisting of: Compuesto por: Composé de: Composto di:	45.05.54	45.05.55
Spatel Blades Espátulas Spatules Lame	3 Fig. 2, 3, 4	4 Fig. 1, 2, 3, 4
Standardgriff mit Standard handle with Mango estándar con Manche standard avec Manico standard con	Induktiv-Akku (1 Stück) Inductive accumulator (1 piece) Acumulador inductivo (1 unidad) Accumulateur inductif (1 pièce) Accumulatore induttivo (1 pezzo)	
Ersatzlampen Replacement lamps Lámparas de repuesto Lampes de rechange Lampadine di ricambio	2 Stück 2 pieces 2 unidades 2 pièces 2 pezzi	

Ersatzlampen für: Replacement lamps for: Lámparas de repuesto para: Lampes de rechange pour: Lampadine di ricambio per:	45.05.10 45.05.11	45.05.12 45.05.13 45.05.14
Verpackungseinheit 6 Stück Packing unit 6 pieces Paquete de 6 unidades Emballage de 6 pièces Confezione da 6 pezzi	 **45.48.65**	 **45.48.66**

Zubehör (siehe Seite 208-210)
Accessories (see page 208-210)
Accesorios (véase página 208-210)
Accessoires (voyez page 208-210)
Accessori (vedi pagina 208-210)

Laryngoskope mit Glühlampe im Spatel
Laryngoscopes with Integrated Bulb in the Blade
Laringoscopio con lámpara incandescente en la espátula
Laryngoscopes avec lampe dans la spatule
Laringoscopi con lampadina nella lama



MILLER

Spatel
Blades
Espátulas
Spatules
Lame



1:1

45.08.32

45.08.30	a = 55 mm	Fig. 0
45.08.31	a = 80 mm	Fig. 1
45.08.32	a = 130 mm	Fig. 2
45.08.33	a = 170 mm	Fig. 3
45.08.34	a = 180 mm	Fig. 4

autoklavierbar bis 134°C bei 3 bar
autoclavable up to 134°C at 3 bar
autoclavable hasta 134°C bajo presión de 3 bar
autoclavable jusqu'à 134°C sous pression de 3 bars
autoclavabile fino a 134°C sotto pressione di 3 bar

MILLER

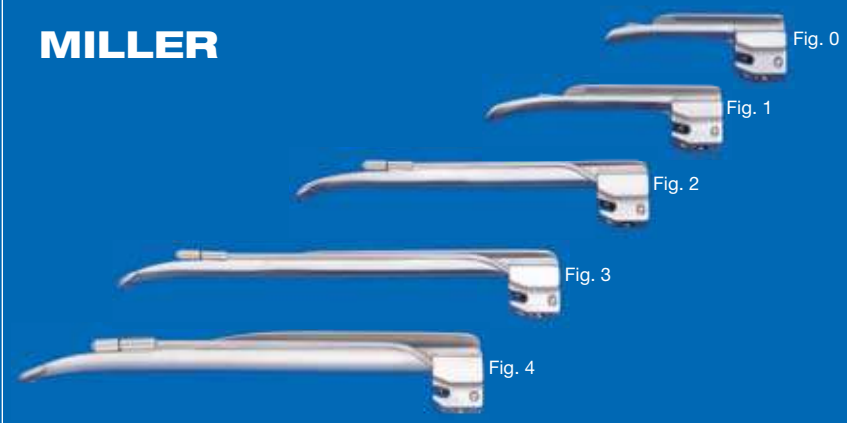


Fig. 0	Neugeborene Newborns Recién nacidos Nouveau-nés Neonati
Fig. 1	Kleinkinder Infants Niños de corta edad Petits enfants Bambini in età da allattamento
Fig. 2	Kinder Children Niños Enfants Bambini
Fig. 3	Erwachsene Adults Adultos Adultes Adulti
Fig. 4	

medicon instrumente
the art of surgery

MILLER

Satz, komplett im Etui
Set, complete in case
Juego, completo en estuche
Jeu complet en étui
Set, completo di custodia





Bestehend aus: Consisting of: Compuesto por: Composé de: Composto di:	45.08.50	45.08.51
Spatel Blades Espátulas Spatules Lame	3 Fig. 2, 3, 4	4 Fig. 1, 2, 3, 4
Standardgriff mit Standard handle with Mango estándar con Manche standard avec Manico standard con	Batterien (2 Stück) Batteries (2 pieces) Pilas (2 unidades) Piles (2 pièces) Batterie (2 pezzi)	
Ersatzlampen Replacement lamps Lámparas de repuesto Lampes de rechange Lampadine di ricambio	2 Stück 2 pieces 2 unidades 2 pièces 2 pezzi	





Bestehend aus: Consisting of: Compuesto por: Composé de: Composto di:	45.08.54	45.08.55
Spatel Blades Espátulas Spatules Lame	3 Fig. 2, 3, 4	4 Fig. 1, 2, 3, 4
Standardgriff mit Standard handle with Mango estándar con Manche standard avec Manico standard con	Induktiv-Akku (1 Stück) Inductive accumulator (1 piece) Acumulador inductivo (1 unidad) Accumulateur inductif (1 pièce) Accumulatore induttivo (1 pezzo)	
Ersatzlampen Replacement lamps Lámparas de repuesto Lampes de rechange Lampadine di ricambio	2 Stück 2 pieces 2 unidades 2 pièces 2 pezzi	

Ersatzlampen für: Replacement lamps for: Lámparas de repuesto para: Lampes de rechange pour: Lampadine di ricambio per:	45.08.30 45.08.31 45.08.32 45.08.33	45.08.34
Verpackungseinheit 6 Stück Packing unit 6 pieces Paquete de 6 unidades Emballage de 6 pièces Confezione da 6 pezzi	 **45.48.65**	 **45.48.66**

Zubehör (siehe Seite 208-210)
Accessories (see page 208-210)
Accesorios (véase página 208-210)
Accessoires (voyez page 208-210)
Accessori (vedi pagina 208-210)

Zubehör für Laryngoskope mit Fiberglas-Lichtleitung
Accessories for Laryngoscopes with Fibre Optic Light Guide
Accesorios para laringoscopios con conductor de luz fría
Accessoires pour laryngoscopes à conducteur de lumière en fibres de verre
Accessori per laringoscopi con conduttore d'illuminazione a luce fredda

Griffe
Handles
Mangos
Manches
Manici

autoklavierbar bis 134°C bei 3 bar
autoclavable up to 134°C at 3 bar
autoclavable hasta 134°C bajo presión de 3 bar
autoclavable jusqu'à 134°C sous pression de 3 bars
autoclavabile fino a 134°C sotto pressione di 3 bar

		standard standard estándar standard standard	schlank slim fino élancé sottile
			
allein, mit Deckel (ohne Lampe und Stromquelle) only, with lid (without lamp and source of power) solo, con tapa (sin lámpara y fuente de corriente) seul, avec couvercle (sans lampe et sans source de courant) solo, con coperchio (senza lampadina e fonte di corrente)		**45.48.49**	**45.48.79**
mit Batteriecontainer (2 x Batterien und Kryptonlampe) with battery container (2 x Batteries and krypton lamp) con contenedor de pilas (2 x Pilas y lámpara de criptón) avec container à piles (2 x Piles et lampe krypton) con contenitore per batterie (2 x Batterie e lampadina krypton)	2,5 V	**45.48.50**	**45.48.80**
mit Batteriecontainer (2 x Batterien und Xenonlampe) with battery container (2 x Batteries and xenon lamp) con contenedor de pilas (2 x Pilas y lámpara de xenón) avec container à piles (2 x Piles et lampe xénon) con contenitore per batterie (2 x Batterie e lampadina xenon)	2,5 V	**45.48.51**	**45.48.81**

BATTERY



Batteriecontainer
Battery container
Contenedor de pilas
Container à piles
Contenitore per batterie

leer, ohne Lampe
empty, without lamp
vacío, sin lámpara
vide, sans lampe
vuoto, senza lampadina




45.48.54 **45.48.84**

Ersatzdeckel
Replacement lids
Tapas de repuesto
Couvercles de rechange
Coperchi di ricambio




904.50.17 **904.50.18**

medicon instrumente
the art of surgery

Xenonlampe
Xenon lamp
Lámpara de xenón
Lampe xénon
Lampadina xenon



2,5 V

45.48.72

Die Lichtleistung von Xenonlampen ist um ein mehrfaches höher als die einer Kryptonlampe. Ein weiterer Vorteil von Xenonlampen ist deren "weißes Licht", das von den Mund- und Rachenschleimhäuten weniger absorbiert wird und die Kontrastdarstellung verbessert.

The intensity of the light of xenon lamps is several times higher than that of krypton lamps. Another advantage of xenon lamps is their "white light", which reduces the light absorption of the mucosa and improves the contrast effect.

La potencia luminosa de las lámparas de xenón es mucho mayor que la de las lámparas de criptón. Otra de las ventajas de las lámparas de xenón es su "luz blanca" que es menos absorbida por las mucosa bucale y faringeal mejorando así la visualización de contrastes.

La puissance de lumière des lampes xénon est beaucoup plus grande que celle des lampes krypton. Un autre avantage des lampes xénon est leur "lumière blanche" qui est moins absorbée par la muqueuse buccale et par la muqueuse pharyngienne et mène donc à un graphique de contraste amélioré.

La potenza luminosa delle lampadine xenon è maggiore a quella di una lampadina krypton. Un altro vantaggio della lampadina xenon è la "luce bianca", che viene meno assorbita dalla mucosa faringea e dalla mucosa orale e produce un contrasto migliore.

Kryptonlampe
Krypton lamp
Lámpara de criptón
Lampe krypton
Lampadina krypton



2,5 V

45.48.70

Batterien
Batteries
Pilas
Piles
Batterie

2 Stück werden benötigt
2 pieces needed
se necesitan 2 piezas
2 pièces requises
sono necessari 2 pezzi

standard
standard
estándar
standard
standard

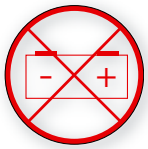


45.49.92
R14 (1,5 V)

schlank
slim
fino
élancé
sottile



45.49.91
R6 (1,5 V)



Batterien, Batteriecontainer und Akku-Einsätze sind vor der Sterilisation aus den Griffen zu entnehmen.

Batteries, battery container and accumulator inserts must be removed from the handles prior to sterilzation.

Antes de la esterilización deben desmontarse de los mangos las pilas, el contenedor de pilas y los acumuladores.

Les piles, les containers à piles et les accumulateurs doivent être enlevés des manches avant la stérilisation.

Le batterie, i contenitori per batterie e gli accumulatori devono essere tolti prima della sterilizzazione.

Griffe
Handles
Mangos
Manches
Manici

standard
standard
estándar
standard
standard

schlank
slim
fino
élancé
sottile





autoklavierbar bis 134°C bei 3 bar
autoclavable up to 134°C at 3 bar
autoclavable hasta 134°C bajo presión de 3 bar
autoclavable jusqu'à 134°C sous pression de 3 bars
autoclavabile fino a 134°C sotto pressione di 3 bar

ACCUMULATOR

mit Induktiv-Akku und Kryptonlampe with inductive accumulator and krypton lamp con acumulador inductivo y lámpara de criptón avec accumulateur inductif et lampe krypton con accumulatore induttivo e lampadina krypton	**2,5 V**	**- - -**	**45.48.82**
mit Induktiv-Akku und Xenonlampe with inductive accumulator and xenon lamp con acumulador inductivo y lámpara de xenón avec accumulateur inductif et lampe xénon con accumulatore induttivo e lampadina xenon	**2,5 V**	**- - -**	**45.48.83**
mit Induktiv-Akku und Xenonlampe with inductive accumulator and xenon lamp con acumulador inductivo y lámpara de xenón avec accumulateur inductif et lampe xénon con accumulatore induttivo e lampadina xenon	**3,0 V**	**45.48.57**	**- - -**
mit Li-Ion Induktiv-Akku und Leuchtdiode with Li-ion inductive accumulator and light-emitting diode con acumulador inductivo Li-ion y diodo luminoso avec accumulateur inductif Li-ion et diode électroluminescente con accumulatore induttivo Li-ion e diodo luminescente	**LED**	**45.48.27**	**- - -**



Induktiv-Akkus
Inductive accumulators
Acumuladores inductivos
Accumulateurs inductifs
Accumulatori induttivi

3 V



45.48.56

ohne Lampe
without lamp
sin lámpara
sans lampe
senza lampadina



LED
45.48.26

mit Leuchtdiode
with light-emitting diode
con diodo luminoso
avec diode électroluminescente
con diodo luminescente

2,5 V



45.48.86

ohne Lampe
without lamp
sin lámpara
sans lampe
senza lampadina

Der Induktiv-Akku 45.48.56 für Standardgriffe ist nur für den Betrieb der Xenonlampe 45.48.73 (3 V) geeignet.

The inductive accumulator 45.48.56 for standard handles is only suitable for use with the xenon lamp 45.48.73 (3 V).

El acumulador inductivo 45.48.56 para mangos estándares es apropiado únicamente para el uso con la lámpara de xenón 45.48.73 (3 V).

L'accumulateur inductif 45.48.56 pour manches standard n'est conçu que pour l'utilisation avec la lampe xénon 45.48.73 (3 V).

L'accumulatore induttivo 45.48.56 per manici standard è adatto solamente all'utilizzo di lampadine xenon 45.48.73 (3 V).

Xenonlampe
Xenon lamp
Lámpara de xenón
Lampe xénon
Lampadina xenon



2,5 V

45.48.72

Die Lichtleistung von Xenonlampen ist um ein mehrfaches höher als die einer Kryptonlampe. Ein weiterer Vorteil von Xenonlampen ist deren "weißes Licht", das von den Mund- und Rachenschleimhäuten weniger absorbiert wird und die Kontrastdarstellung verbessert.

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La potenza luminosa delle lampadine xenon è maggiore a quella di una lampadina krypton. Un altro vantaggio della lampadina xenon è la "luce bianca", che viene meno assorbita dalla mucosa faringea e dalla mucosa orale e produce un contrasto migliore.

Xenonlampe
Xenon lamp
Lámpara de xenón
Lampe xénon
Lampadina xenon



3,0 V

45.48.73

BATTERY

	standard	schlank
Griffe	standard	slim
Handles	standard	fino
Mangos	estándar	élancé
Manches	standard	sottile
Manici	standard	





autoklavierbar bis 134°C bei 3 bar
autoclavable up to 134°C at 3 bar
autoclavable hasta 134°C bajo presión de 3 bar
autoclavable jusqu'à 134°C sous pression de 3 bars
autoclavabile fino a 134°C sotto pressione di 3 bar

komplett mit 2 Batterien complete with 2 batteries completo con 2 pilas complèt avec 2 piles completo con 2 batterie	**45.48.12**	**45.48.11**
leer, mit Deckel empty, with lid vacío, con tapa vide, avec couvercle vuoto, con coperchio	**45.49.75**	**45.49.74**

Batterien
Batteries
Pilas
Piles
Batterie

2 Stück werden benötigt
2 pieces needed
se necesitan 2 piezas
2 pièces requises
sono necessari 2 pezzi





45.49.92	**45.49.91**
R14 (1,5 V)	R6 (1,5 V)

Ersatzdeckel
Replacement lids
Tapas de repuesto
Couvercles de rechange
Coperchi di ricambio





45.49.72	**45.49.71**

ACCUMULATOR

	standard
	standard
	estándar
	standard
	standard



45.48.15

mit Induktiv-Akku
with inductive accumulator
con acumulador inductivo
avec accumulateur inductif
con accumulatore induttivo



45.48.96

Induktiv-Akku
Inductive accumulator
Acumulador inductivo
Accumulateur inductif
Accumulatore induttivo

für Standard- und schlanke Griffe mit Induktiv-Akkus
for standard and slim handles with inductive accumulators
para acumuladores inductivos de mangos estándares y finos
pour manches standard et manches élancés avec accumulateurs inductifs
per manici standard e sottili con accumulatori induttivi



nur für Induktiv-Akkus	
only for inductive accumulators	45.48.56
sólo para acumuladores inductivos	45.48.86
seulement conçu pour les accumulateurs	45.48.96
solamente per i accumulatori induttivi	

45.49.99

220 V

110 V auf Anfrage
on request
por demanda
sur demande
su richiesta

Keinesfalls batteriebetriebene Griffe laden.
Do not use inductive chargers for handles with batteries.
Nunca utilizar los cargardores inductivos para mangos con pilas.
Ne jamais utilisier les chargers inductifs pour les manches avec des piles.
In nessun caso utilizare i ricaricatori induttivi per caricare manici con batterie.

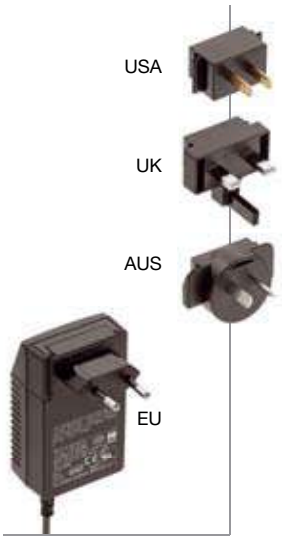
für Li-Ion Akku
for Li-ion accumulator
para acumulador Li-ion
pour accumulateur Li-ion
per accumulatore Li-ion



LED

45.49.98

110-240 V



nur für Induktiv-Akkus (LED)	
only for inductive accumulators (LED)	
solo para acumuladores inductivos (LED)	45.48.26
seulement conçu pour les accumulateurs (LED)	
solamente per i accumulatori induttivi (LED)	

Kunststoff-Etuis (leer) für Laryngoskope
Storage Cases (empty) for Laryngocopes
Estuches de plástico (vacíos) para laringoscopios
Etuis en matière plastique (vides) pour laryngoscopes
Custodie (vuote) per laringoscopi in materiale plastico

zur Lagerung von 4 Spatel, 1 Handgriff und Ersatzlampen
for storage of 4 blades,1 handle and replacement lamps
para guardar 4 espátulas, 1 mango y lámparas de repuesto
pour le rangement de 4 spatules, d'un manche et de lampes de rechange
per riporre 4 lame, 1 manico e lampadine di ricambio



904.50.52

McINTOSH
45.16.61 - 64



904.50.51

FOREGGER
45.25.61 - 64

MILLER
45.28.61 - 64
45.08.31 - 34

WIS-FOREGGER
45.05.11 - 14

Pediatric
45.29.60 - 62



904.50.50

McINTOSH
45.15.61 - 64
45.17.61 - 64
45.01.11 - 14



Advertisement



Unser komplettes Laryngoskope-Programm finden Sie in unserem Sonderprospekt.

For our complete Laryngoscopes program please ask for our special brochure.

Nuestro programa completo de Laringoscopios se encuentra en nuestro folleto especial.

Vous trouverez notre programme complet des Laryngoscopes dans notre prospectus spécial.

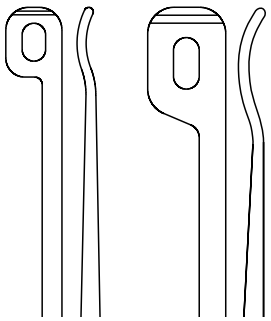
Il nostro programma completo di Laringoscopi lo troverete nel prospetto speciale.



Laryngoscopes

the art of surgery





mit atraumatischem Maul
with atraumatic jaws
con boca atraumática
avec mors atraumatiques
con morso atraumatico

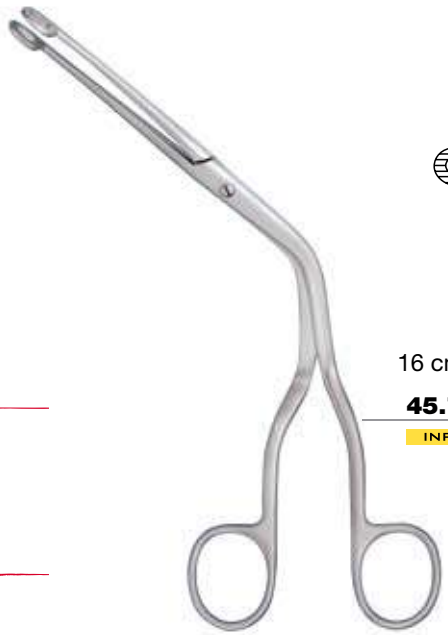
19 cm - 7½″	24 cm - 9½″
45.76.02	**45.76.03**
CHILDREN	ADULTS

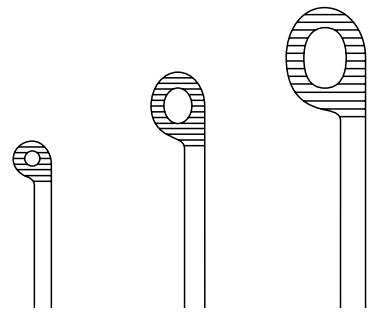
Magill
mod. Ehrensperger

für Erwachsene
for adults
para adultos
pour adultes
per adulti
ADULTS

für Kinder
for children
para niños
pour enfants
per bambini
CHILDREN

für Kleinkinder
for infants
para niños pequeños
pour petits enfants
per bambini in età allattamento
INFANTS





16 cm - 6¼″	19 cm - 7½″	24 cm - 9½″
45.75.01	**45.75.02**	**45.75.03**
INFANTS	CHILDREN	ADULTS

Magill



45.82.17

Ersatz-Gummieinlagen (Paar)
Spare rubber inserts (pair)
Gomas de repuesto (par)
Mors en caouchouc de rechange (par paires)
Gommini di ricambio (paio)

1:1



17 cm – 6¾″

45.81.17

Collin



16 cm - 6¼″

45.82.16

Young

Einfache, schnelle und sichere Einführung und Positionierung von starren und flexiblen LMA*-Laryngealmasken.
Easy, quick and safe introduction and positioning of rigid and flexible LMA*-Laryngeal masks.
Introducción y posicionamiento de forma fácil, rápida y segura de las máscaras laríngeas rígidas y flexibles LMA*.
Introduction et positionnement facile, rapide et sûr des masques laryngiens LMA* rigides et flexibles.
L'inserimento ed il posizionamento delle maschere laringee LMA* rigide e flessibili è semplice, rapido e sicuro



LMA-Laryngealmasken sind ein Produkt der Firma
LMA Laryngeal masks are a product of Messrs
Las máscaras laríngeas LMA son un producto de la empresa
Les masques laryngiens LMA sont un produit de la société
Le maschere laringee LMA sono un prodotto della Ditta

LMA INTERNATIONAL
Services Limited, UK.

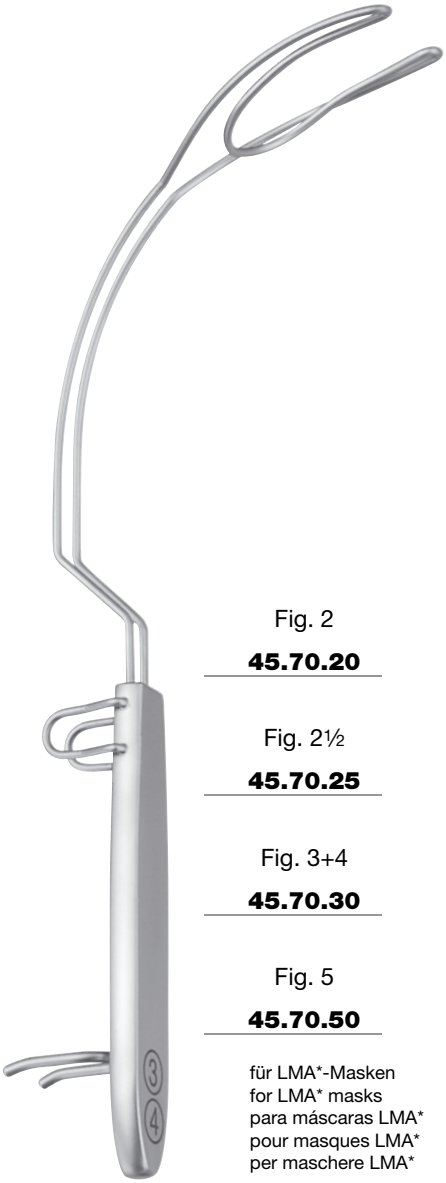


Fig. 2
45.70.20

Fig. 2½
45.70.25

Fig. 3+4
45.70.30

Fig. 5
45.70.50

für LMA*-Masken
for LMA* masks
para máscaras LMA*
pour masques LMA*
per maschere LMA*

Zerer

Das Sprühöl eignet sich vorzüglich für Instrumente mit besonders unzugänglichen Bewegungsmechanismen.
Spray oil is an excellent lubricant also for instruments with inaccessible moving mechanisms.
El spray de aceite presta servicios excelentes para instrumentos con articulaciones de acceso difícil.
Le spray huileux se prête par excellence pour des instruments à mécanisme de mouvement difficilement accessible.
L'olio spray è adatto per strumenti con articolazioni difficilmente accessibili.



500 ml

46.00.40

Verpackungseinheit 12 Stück
Packing unit 12 pieces
Paquete de 12 unidades
Emballage de 12 pièces
Confezione da 12 pezzi

Zum Ölen von Schlüssen, Sperren, Gelenken usw.
For box locks, ratchets, joints etc.
Para engrasar los cierres, las cremalleras y las articulaciones, etc.
Pour huiler les fermetures, les crémaillères, les joints etc.
Per oliare gli snodi, le cremagliere e le articolazioni ecc.



Kunststoffflasche
Plastic-bottle
Botella de plástico
Bouteille en matière plastique
Bottiglia di plastica

125 ml

46.00.44

Verpackungseinheit 12 Stück
Packing unit 12 pieces
Paquete de 12 unidades
Emballage de 12 pièces
Confezione da 12 pezzi

Antibeschlagmittel für Endoskope
Antifog solution for endoscopes
Agente antiempañante para endoscopios
Moyen anti-embuant pour endoscopes
Liquido antiappannamento per endoscopi



Sprühflasche
Spray bottle
Pulverizador
Flacon
Bottiglia spray

15 ml

91.10.10



Pipettenflasche
Pipette bottle
Botella con pipeta
Bouteille à pipette
Bottiglia a pipeta

25 ml

91.10.11



Flasche, steril
Bottle, sterile
Botella, estéril
Boutelle, stérile
Bottiglia, sterile

30 ml

91.10.12



1:1

46.16.29

Ersatz-Gummieinlagen (Paar)
Spare rubber inserts (pair)
Gomas de repuesto (par)
Mors en caouchouc de rechange (paires)
Gommini di ricambio (paio)



20 cm – 8″
46.10.20

30 cm – 11¾″
46.10.30



24 cm – 9½
46.16.24



46.29.50
Masing

1:3

Instrumentenhalter zur Ablage von Instrumenten während der Operation

Instrument holder for placing instruments during an operation

Portainstrumentos para deponer los instrumentos durante la operación

Plateau porte-instruments pendant l'opération

Sostegno portastrumenti per il deposito di strumenti durante l'operazione

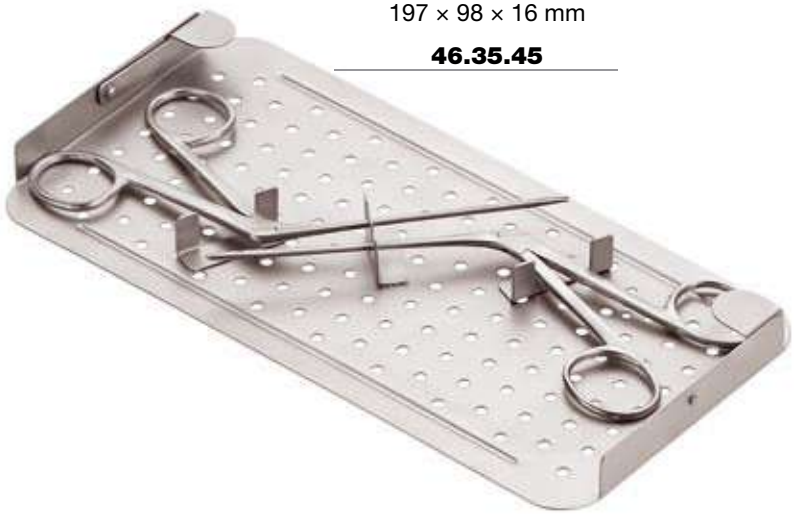
220 × 113 × 45 mm	190 × 97 × 32 mm
46.31.12	**46.31.58**



- Sterilisier- und Lagerungsgestell, für 12 Mikro-Rundgriff-Instrumente bis 19 cm Länge (46.31.12). Für 8 Mikro-Rundgriff-Instrumente bis 17 cm Länge (46.31.58)
- Rack for sterilization and storage, for 12 micro surgery instruments with round handles up to a length of 19 cm (7 1/2˝) (46.31.12). For 8 micro surgery instruments with round handles up to a length of 17 cm (6 3/4˝) (46.31.58)
- Caballete de esterilización y conservación, para 12 microinstrumentos con mangos redondos hasta 19 cm de largo (46.31.12). Para 8 micro-instrumentos con mangos redondos hasta 17 cm de largo (46.31.58)
- Cadre de stérilisation et de rangement, pour 12 instruments micro à manche rond, jusqu'à une longueur de 19 cm (46.31.12). Pour 8 instruments micro à manche rond, jusqu'à une longueur de 17 cm (46.31.58)
- Supporto per sterilizzazione e conservazione, per 12 microstrumenti con manico rotondo fino a una lunghezza di 19 cm (46.31.12). Per 8 microstrumenti con manico rotondo fino a una lunghezza di 17 cm (46.31.58)

197 × 98 × 16 mm

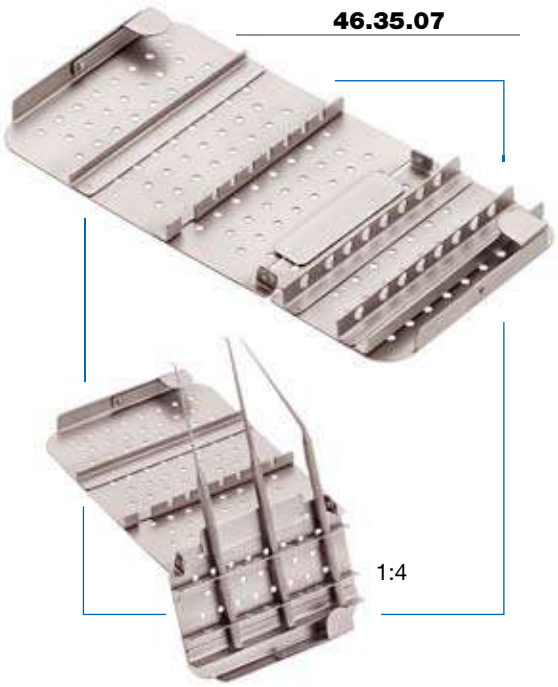
46.35.45



- Sterilisier- und Lagerungsgestell, für 6 Ohrzängchen mit Ringgriffen
- Rack for sterilization and storage, for 6 ear forceps with ring handles
- Caballete para esterilización y conservación, para 6 pinzas auriculares con mangos de anillo
- Cadre de stérilisation et de rangement, pour 6 petites pinces à oreille à anneaux
- Supporto per sterilizzazione e conservazione, per 6 pinze auricolari con manici ad anelli

197 × 98 × 12 mm

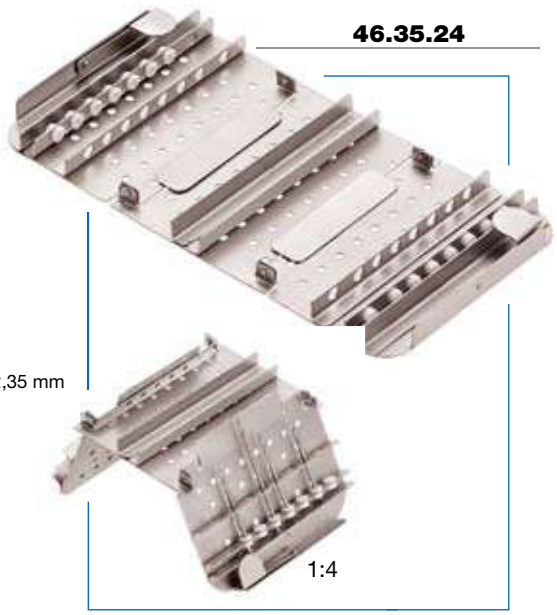
46.35.07



- Sterilisier- und Lagerungsgestell, für 7 Mikro-Ohrinstrumente mit geradem Schaft oder 6 Mikro-Ohrinstrumente mit abgewinkeltem Schaft, abklappbar zur Verwendung als Operationsständer
- Rack for sterilization and storage, for 7 micro otological surgery instruments with straight shaft or 6 micro otological surgery instruments with angled shaft, foldable, may serve as instrument rack during surgery
- Caballete de esterilización y conservación, para 7 microinstrumentos auriculares con parte activa recta o 6 microinstrumentos auriculares con parte activa acodada, plegable, sirve de soporte de instrumentos durante la operación
- Cadre de stérilisation et de rangement, pour 7 micro-instruments auriculaires à tige droit ou 6 micro-instruments auriculaires à tige coudée, relevable pouvant ainsi servir de support d'opération
- Supporto per sterilizzazione e conservazione, per 7 microstrumenti auricolari con asta retta oppure 6 microstrumenti auricolari con asta angolata, ribaltandolo serve da sostegno durante l'operazione

197 × 98 × 12 mm

46.35.24



- Sterilisier- und Lagerungsgestell für Bohrer für Mikrochirurgie des Ohres, doppelt abklappbar zur Verwendung als Operationsständer, für 14 Bohrer mit Schaft-Ø 2,35 mm
- Rack for sterilization and storage of burrs for otological microsurgery, foldable at both sides, may serve as instrument rack during surgery, for 14 burrs with shank-Ø 2,35 mm
- Caballete de esterilización y conservación para procas de microcirugía del oído, plegable hacia ambos lados para usarlo como soporte durante la operación, para 14 procas con vástago de Ø 2,35 mm
- Cadre de stérilisation et de rangement pour forets pour la micro-chirurgie de l'oreille, inclinable des deux cotés pour servir de support d'opération, pour 14 forets avec Ø de tige 2,35 mm
- Supporto per sterilizzazione e conservazione per perforatori per la microchirurgia dell'orecchio, ribaltandolo due volte serve da sostegno durante l'operazione, per 14 perforatori con asta Ø 2,35 mm

196 × 99 × 40 mm
46.37.10

255 × 145 × 40 mm
46.37.12



Siebschalen, gelocht, mit abklappbaren seitlichen Griffen
Perforated trays, with folding lateral grips
Bandejas perforadas, con mangos laterales escamoteables
Plateaux perforés, à manches lateraux escamotables
Cestelli forati, con manici laterali rientranti



Ø 65 mm × 15 mm
46.37.50

Nadeldose
Needle case
Estuche para agujas
Boîte à aiguille
Scatola per aghi

rostfreier 18/8 Stahl
18/8 stainless steel
acero inoxidable 18/8
acier inoxydable 18/8
acciaio inossidabile 18/8



46.37.51

Innendose allein, für 46.37.50
Insert only, for 46.37.50
Caja interior sola, para 46.37.50
Boîte intérieure seule, pour 46.37.50
Scatola interna sola, per 46.37.50



150 × 95 × 13 mm
46.37.65

Metalletui mit Trenneinteilung, ungelocht
Metal case with partition, non-perforated
Estuche de metal con compartimentos, no perforada
Boîte en métal compartimentée, non-perforée
Scatola metallica a scomparti, senza fori



200 × 100 × 20 mm	**46.52.20**
200 × 100 × 30 mm	**46.52.30**
200 × 100 × 40 mm	**46.52.40**
200 × 100 × 50 mm	**46.52.50**

Metalletuis, leer, mit Stülpdeckel und Schieberverschluss
Metal cases, empty, with lid and slide lock
Estuches de metal, vacíos, con tapa y cierre corredizo
Boîtes en métal, vides, avec couvercle et fermeture à coulisse
Scatole metallica, vuote, con coperchio sovrapposto e chiusura scorrevole

rostfreier 18/8 Stahl
18/8 stainless steel
acero inoxidable 18/8
acier inoxydable 18/8
acciaio inossidabile 18/8



Deckel gelocht – Boden gelocht
Lid perforated – Bottom perforated
Tapa perforada – Fondo perforado
Couvercle perforé – Fond perforé
Coperchio forato – Fondo forato

mit auswechselbaren Textilfiltern
und Scharnierdeckel mit Hebelverschluss

with exchangeable textile filters
and hinged lid with lever lock

con filtros textiles cambiables y tapa con
articulación de charnela con cierre de palanca

avec filtres textiles échangeables
et couvercle à charnière avec fermeture à levier

filtri di stoffa cambiabili e coperchio
a cerniera con chiusura e leva

		Textilfilter allein Textile filters only Filtros textiles solos Filtres textiles seuls Filtri di stoffa soli
230 × 130 × 50 mm	**46.55.23**	**46.56.23**
260 × 150 × 50 mm	**46.55.26**	**46.56.26**
300 × 200 × 50 mm	**46.55.30**	**46.56.30**
325 × 275 × 50 mm	**46.55.32**	**46.56.32**
325 × 275 × 75 mm	**46.55.34**	

Verpackungseinheit 10 Stück
Packing unit 10 pieces
Paquete de 10 unidades
Emballage de 10 pieces
Confezione da 10 pezzi

Für eine schonende Aufbereitung und Lagerung von feinen und empfindlichen Instrumenten, wie z.B. mikrochirurgischen Instrumenten und feinen Häkchen. Die Trays können in Sterilisiercontainern, z.B. MEDICONTAINER, zusammen mit dem übrigen Instrumentarium sterilisiert und aufbewahrt werden.

For a careful sterilization and storage of fine and delicate instruments, for example micro surgery instruments and fine hooks. The trays may be sterilized and stored together with the instruments in sterilizing containers, for example MEDICONTAINER.

Para un tratamiento cuidadoso y para el almacenamiento de instrumentos delicados como p.ej. micro instrumentos y ganchitos finos. Las bandejas pueden ser esterilizadas y almacenadas en un contenedor para la esterilización, p.ej. los MEDICONTAINER.

Pour une préparation et un stockage avec ménagement d'instruments fins et délicats, comme p.ex. des instruments microchirurgicaux et des crochets fins. Les cassettes peuvent être stérilises et ranges dans des containers de stérilisation comme p.ex. des MEDICONTAINER, ensemble avec d'autres instruments.

Per una accurata preparazione ed un magazzinaggio di strumenti delicati e fini, come p.e. strumenti per la microchirurgia ed uncini delicati. Le cassette possono essere sterilizzate e magazzinate in contenitori per sterilizzazione, come p.e. i nostri MEDICONTAINER, insieme ad altri strumenti.



- autoklavierbar bis 134°C bei 3 bar
- geringes Gewicht
- einfaches und sicheres Verschlusssystem
- in leichter Kunststoffbauweise

- autoclavable up to 134°C at 3 bar
- extremely light weight
- simple and secure locking system
- lightweight plastic construction

- autoclavable hasta 134°C bajo presión de 3 bar
- peso muy ligero
- cierre fácil y seguro
- construcción ligera de material plástico

- autoclavable à 134°C sous pression de 3 bars
- poids léger
- système de fermeture simple et sûr
- construction légère en matière plastique

- autoclavabile fino a 134°C sotto pressione di 3 bar
- peso minimo
- sistema di chiusura facile e sicura
- costruzione leggera in materiale plastico

Lieferung ohne Instrumente
Supplied without instruments
Entrega sin instrumentos
Livraison sans instruments
Fornitura senza strumenti



190 × 102 × 19 mm

49.90.00

mit Silikonmatte, stapelbar
with silicone mat, stackable
con estera de silicona, apilable
avec tapis en silicone, empilable
con tappetino a grumelli, impilabile



280 × 170 × 55 mm

49.90.02

mit Silikonmatte
with silicone mat
con estera de silicona
avec tapis en silicone
con tappetino a grumelli

Tray für 12 Instrumente
Tray for 12 instruments
Bandeja para 12 instrumentos
Cassette pour 12 instruments
Cassetta per 12 strumenti



mit Haltestegen für festen und sicheren Halt
with holding device for a firm and safe storage
con dispositivo de fijación para una sujeción buena y segura
avec dispositif de fixage pour une fixation sûre
con dispositivo di fissazione per un fissaggio sicuro

203 × 114 × 30 mm

49.90.04

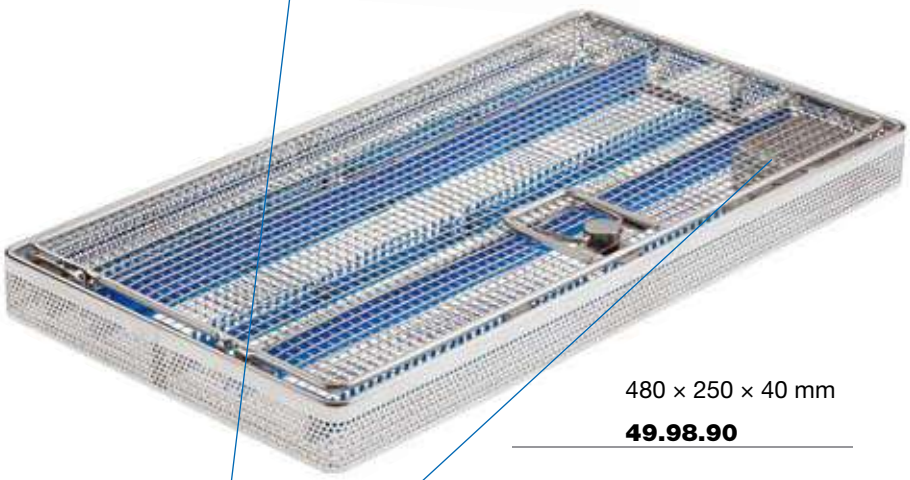
Siebkörbe zur Lagerung und Sterilisation der Mikroinstrumente
Wire baskets for storage and sterilization of micro instruments
Cestillas para almacenamiento y esterilización de micro instrumentos
Paniers à grillagés pour le rangement et la stérilisation des instruments micro
Cestelli a rete per un magazziaggo e sterilizzazione di microstrumenti



240 × 240 × 40 mm

49.97.90

- 4 variable Silikonmatten
- fest eingeschweißte Kleinteilebox
- zwei feste Y-Silikonprofile für Niederhaltefunktion
- verschließbarer, abnehmbarer Deckel



480 × 250 × 40 mm

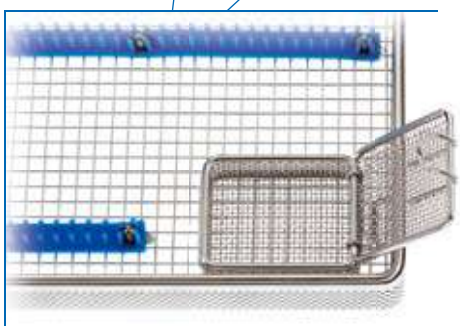
49.98.90

- 4 variable silicone mats
- welded box for small parts
- two fixed Y-silicone profiles for holding down function
- lockable, detachable lid

- 4 esteras de silicona variables
- caja soldada firmemente para piezas pequeñas
- dos elementos Y de silicona para retner
- tapa desmontable con cerradura

- 4 tapis silicone variables
- boîte pour petites pièces solidement soudées
- deux profils Y en silicone pour fonction d'arrêt
- couvercle démontable fermant à clé

- 4 variabili tappettini in silicone
- box ben saldato per piccole parti
- 2 profili tipo Y in silicone per funzione di contenimento
- coperchio richiudibile e rimovibile

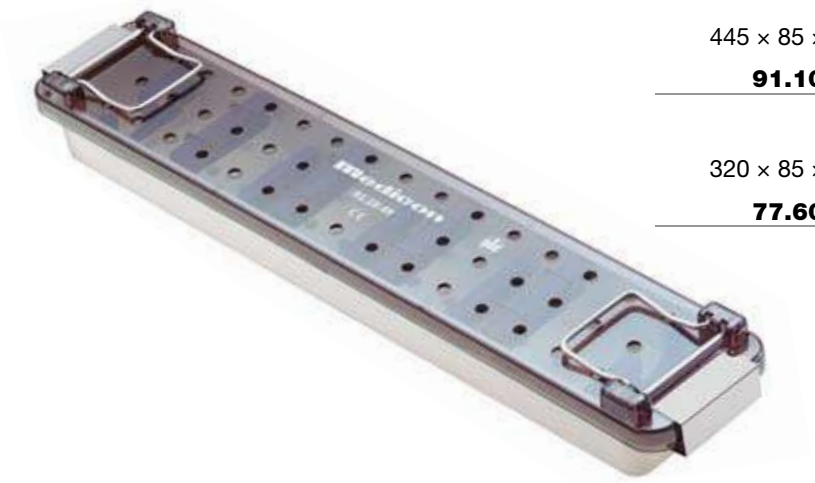


integrierte Kleinteilebox
integrated box for small parts
caja integrada para partes pequeñas
boîte à petites pièces intégrée
box integrato per piccole parti

Siebkörbe zur Lagerung und Sterilisation der Endoskope
Wire baskets for storage and sterilization of endoscopes
Cestillas para almacenamiento y esterilización de endoscopios
Paniers à grillagés pour le rangement et la stérilisation des endoscopes
Cestelli a rete per un magazziaggo e sterilizzazione di endoscopi

	49.97.04	**49.97.06**	**49.97.05**	**49.97.07**
	290 × 80 × 52 mm		460 × 80 × 52 mm	
Lagerung Endoskope Storage endoscopes Almacenimiento endoscopios Rangement des endoscopes Magazziaggo di endoscopi	1	2	1	2





445 × 85 × 50 mm
91.10.49

320 × 85 × 50 mm
77.60.49



Tray aus Kunststoff, zur Lagerung von 2 Optiken wie z.B. Sinuskope, Arthroskope (77.60.49) und Laparoskope (91.10.49) autoklavierbar bis 134° C bei 3 bar

Plastic tray, for storage of 2 sinuscopes, arthroscopes (77.60.49) and laparoscopes (91.10.49) autoclavable up to 134° C at 3 bar

Bandeja de plástico, para almacenar 2 ópticas como p. ej. sinuscopios, artroscopios (77.60.49) y laparoscopios (91.10.49) autoclavable hasta 134° C bajo presión de 3 bar

Cassette en plastique, pour stockage de 2 optiques p. e. des sinuscopes, arthroscopes (77.60.49) et laparoscopes (91.10.49) autoclavable jusqu' à 134° C sous pression de 3 bars

Cassetta di plastica, per il magazzinaggio di 2 ottiche come p. es. sinuscopi, artroscopi (77.60.49) , laparoscopi (91.10.49) autoclavabile fino a 134° C sotto pressione di 3 bar



170 mm	**47.20.17**
200 mm	**47.20.20**
250 mm	**47.20.25**
270 mm	**47.20.27**

Nierenschalen
Kidney bowls
Riñoneras
Haricots
Bacinelle reniformi

rostfreier 18/8 Stahl
18/8 stainless steel
acero inoxidable 18/8
acier inoxydable 18/8
acciaio inossidabile 18/8



195 × 145 × 10 mm	**47.26.19**
240 × 160 × 10 mm	**47.26.24**
280 × 140 × 10 mm	**47.26.28**
290 × 185 × 10 mm	**47.26.29**
320 × 220 × 10 mm	**47.26.32**
380 × 280 × 10 mm	**47.26.38**



Advertisement

Unser komplettes Medicontainer-Programm finden Sie in unserem Sonderprospekt.

For our complete Medicontainer program please ask for our special brochure.

Nuestro programa completo de Medicontainer se encuentra en nuestro folleto especial.

Vous trouverez notre programme complet des Medicontainers dans notre prospectus spécial.

Il nostro programma completo di Medicontenitori lo troverete nel prospetto speciale.



80 × 35 mm · 0,10 l
47.30.08

95 × 50 mm · 0,20 l
47.30.09

105 × 60 mm · 0,30 l
47.30.10

130 × 70 mm · 0,50 l
47.30.13



40 × 20 mm · 0,02 l
47.31.01

60 × 30 mm · 0,06 l
47.31.02

80 × 40 mm · 0,16 l
47.31.04

110 × 55 mm · 0,40 l
47.31.06

150 × 75 mm · 1,00 l
47.31.08

210 × 95 mm · 2,50 l
47.31.10

Rundschalen (Lösungsschalen)
Round bowls (for liquids)
Cubetas (para liquidos)
Cupules rondes (pour liquide)
Scodelle tonde (per liquido)



Methot

Wattespender
Cotton dispenser
Distribuidor de algodón
Distributeur de coton
Contenitore per cotone

Ø 50 × 75 mm
330.20.00



30 × 90 mm
47.40.03

50 × 100 mm
47.40.04

50 × 130 mm
47.40.05

50 × 175 mm
47.40.06

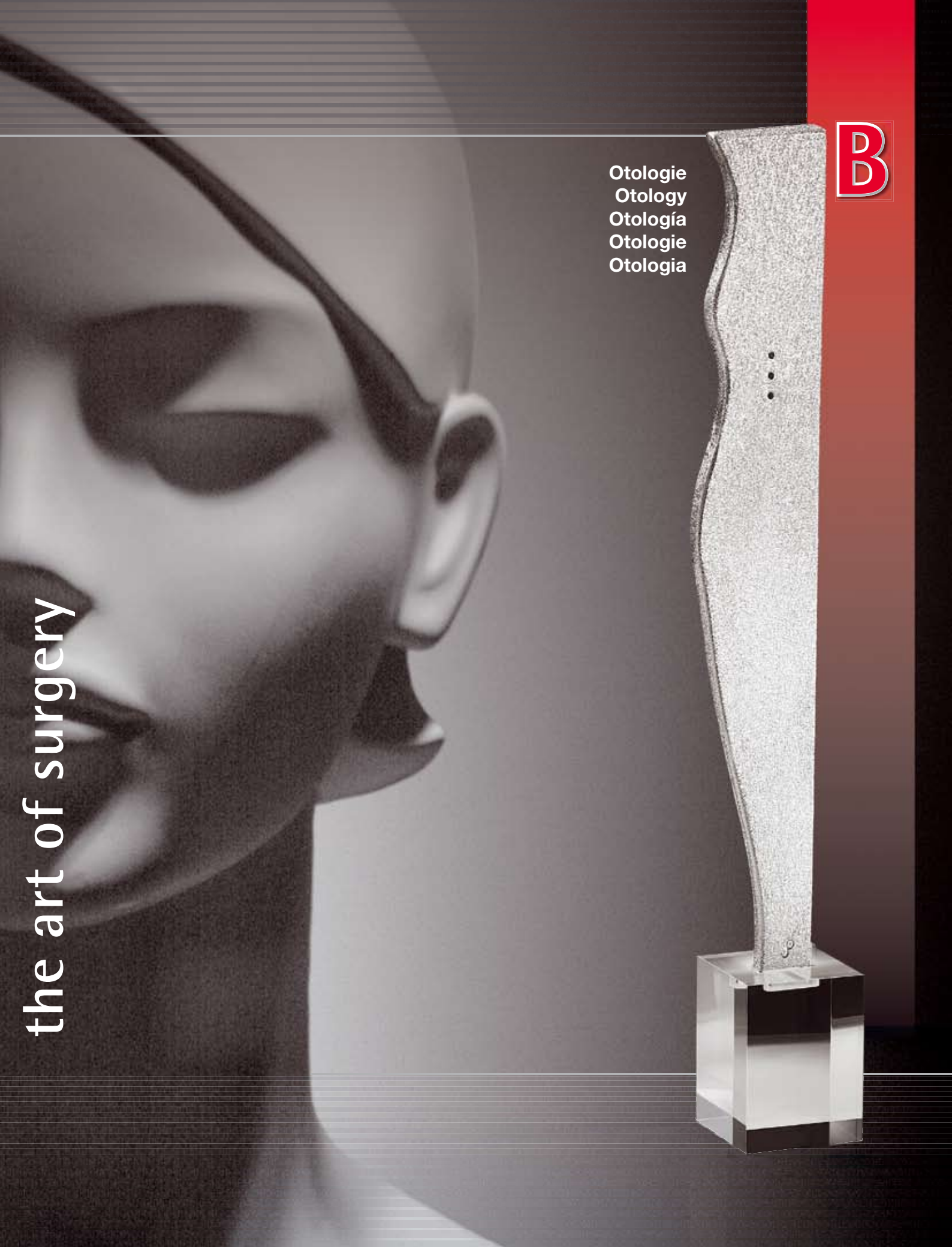
85 × 180 mm
47.40.07

85 × 130 mm
47.40.08

100 × 200 mm
47.40.12

Standgefäße
Jars
Recipientes
Récipients
Recipienti

rostfreier 18/8 Stahl
18/8 stainless steel
acero inoxidable 18/8
acier inoxydable 18/8
acciaio inossidabile 18/8


B
Otologie
Otology
Otología
Otologie
Otologia
the art of surgery

Ohrspekula, Zubehör
Ear Specula, Accessories
Espéculos auriculares, Accesorios
Spéculums auriculaires, Accessoires
Specoli auricolari, Accessori



Brünings

Pneumatisches Ohrspekulum, komplettes Besteck mit Lupe und Gebläse, in Holzetui
Pneumatic ear speculum, complete set with lens and rubber bulb, in wooden case
Espéculo auricular neumático, estuche completo con lupa y pera de goma, en estuche de madera
Spéculum auriculaire pneumatique, trousse complète comprenant loupe et soufflerie, dans une boîte en bois
Specolo auricolare pneumatico, set completo di lente in astuccio di legno

62.00.10	4 Spekula	Fig. 1 – 4
	4 specula	fig. 1 – 4
	4 espéculos	fig. 1 – 4
	4 spéculums	fig. 1 – 4
	4 specoli	fig. 1 – 4
62.00.11	6 Spekula	Fig. 0 – 5
	6 specula	fig. 0 – 5
	6 espéculos	fig. 0 – 5
	6 spéculums	fig. 0 – 5
	6 specoli	fig. 0 – 5

Optionales Zubehör
Optional accessories
Accesorios opcionales
Accessoires optionnels
Accessori opzionali



Schlaucholive allein Tubing connector Oliva de tubos Raccord olivaire Raccordo olivare	1:1		**906.20.03**
Etui allein Case only Estuche solo Boîte seul Astuccio solo			**906.20.16**



1:1

Brünings

62.00.20	# 0	Ø 5,5 mm
62.00.21	# 1	Ø 6,5 mm
62.00.22	# 2	Ø 7,5 mm
62.00.23	# 3	Ø 8,5 mm
62.00.24	# 4	Ø 9,5 mm
62.00.25	# 5	Ø 10,5 mm

Zubehör
Accessories
Accesorios
Accessoires
Accessori



Lupe allein, volles Fenster, mit Schlaucholive
Magnifier only, full lens, with tubing connector
Lupa sola, con lente plena, con oliva de tubos
Loupe seule, fenêtre pleine, avec raccord olivaire
Lente sola, finestra piena, con raccordo olivare



62.00.13
Brünings

Lupe allein, Segment-Ausschnitt
Magnifier only, segmented lens
Lupa sola, sector segmentado
Loupe seule, secteur segmenté
Lente sola, settore segmentato



62.00.14
Brünings

Gummi-Gebläse allein, passend für BRÜNINGS Lupen
Rubber bulb only, fitting the BRUENINGS magnifiers
Pera de goma sola, apropiada para las lupas según BRUENINGS
Soufflerie en caoutchouc seule, pour les loupes de BRUENINGS
Soffiatrice di gomma sola, adatta per i lenti di BRUENINGS



62.00.15

Ø = Außendurchmesser
Outer diameter
Diámetro exterior
Diamètre extérieure
Diametro esterne

für Kinder
for children
para niños
pour enfants
per bambini



Hartmann

verchromt chrome-plated cromado chromé comato				Rostfreier Edelstahl Stainless steel Acero inoxidable Acier inoxydable Acciaio inossidabile
62.01.00	Satz zu 3 Stück # 1 – 3 Set of 3 pieces # 1 – 3 Juego de 3 piezas # 1 – 3 Jeu de 3 pièces # 1 – 3 Serie di 3 pezzi # 1 – 3			**62.02.00**
62.01.01	Ø 3,0 mm	# 1	Ø 3,0 mm	**62.02.01**
62.01.02	Ø 4,5 mm	# 2	Ø 4,0 mm	**62.02.02**
62.01.03	Ø 5,5 mm	# 3	Ø 5,0 mm	**62.02.03**

für Erwachsene
for adults
para adultos
pour adultes
per adulti



Hartmann

verchromt chrome-plated cromado chromé comato				Rostfreier Edelstahl Stainless steel Acero inoxidable Acier inoxydable Acciaio inossidabile
62.01.10	Satz zu 3 Stück # 1 – 3 Set of 3 pieces # 1 – 3 Juego de 3 piezas # 1 – 3 Jeu de 3 pièces # 1 – 3 Serie di 3 pezzi # 1 – 3			**62.02.10**
62.01.11	Ø 5,5 mm	# 1	Ø 5,0 mm	**62.02.11**
62.01.12	Ø 6,5 mm	# 2	Ø 6,0 mm	**62.02.12**
62.01.13	Ø 7,5 mm	# 3	Ø 7,5 mm	**62.02.13**

für Erwachsene
for adults
para adultos
pour adultes
per adulti



Toynbee

62.01.30	Satz zu 3 Stück # 2 – 4 Set of 3 pieces # 2 – 4 Juego de 3 piezas # 2 – 4 Jeu de 3 pièces # 2 – 4 Serie di 3 pezzi # 2 – 4				
62.01.36	# 1	Ø 4,5 mm	**62.01.37**	# 2	Ø 5,5 mm



Toynbee

62.01.31	Satz zu 4 Stück # 1 – 4 Set of 4 pieces # 1 – 4 Juego de 4 piezas # 1 – 4 Jeu de 4 pièces # 1 – 4 Serie di 4 pezzi # 1 – 4				
62.01.38	# 3	Ø 6,5 mm	**62.01.39**	# 4	Ø 7,5 mm

Ø = Außendurchmesser
Outer diameter
Diámetro exterior
Diamètre extérieure
Diametro esterne

für Erwachsene
for adults
para adultos
pour adultes
per adulti



Boucheron

62.01.61	Satz zu 4 Stück # 1 – 4 Set of 4 pieces # 1 – 4 Juego de 4 piezas # 1 – 4 Jeu de 4 pièces # 1 – 4 Serie di 4 pezzi # 1 – 4			Ø =	Außendurchmesser Outer diameter Diámetro exterior Diamètre extérieure Diametro esterne
62.01.66	# 1	Ø 4,5 mm	**62.01.68**	# 3	Ø 6,5 mm
62.01.67	# 2	Ø 5,5 mm	**62.01.69**	# 4	Ø 7,5 mm



Zöllner

62.03.00	Satz zu 6 Stück # 1 – 6 Set of 6 pieces # 1 – 6 Juego de 6 piezas # 1 – 6 Jeu de 6 pièces # 1 – 6 Serie di 6 pezzi # 1 – 6			Ø =	Innendurchmesser Inside diameter Diametro interior Diamètre intérieur Diametro interno
62.03.11	# 1	5,5 × 6,5 mm	**62.03.14**	# 4	8,5 × 9,5 mm
62.03.12	# 2	6,5 × 7,5 mm	**62.03.15**	# 5	9,5 × 10,5 mm
62.03.13	# 3	7,5 × 8,5 mm	**62.03.16**	# 4	10,5 × 11,5 mm



Delrin*

62.01.90	Satz zu 6 Stück Set of 6 pieces Juego de 6 piezas Jeu de 6 pièces Serie di 6 pezzi		
62.01.92	Ø 2 mm	**62.01.95**	Ø 5 mm
62.01.93	Ø 3 mm	**62.01.96**	Ø 6 mm
62.01.94	Ø 4 mm	**62.01.97**	Ø 7 mm



110 × 85 mm

62.03.65

Sterilisier- und Lagerungsgestell für 12 Ohrtrichter
Sterilizing and storage rack for 12 ear specula
Soporte de esterilización de conservación para 12 espéculos auriculares
Support de stérilisation et de conservation pour 12 spéculums auriculaires
Sostegno per sterilizzare e conservare per 12 specoli auricolari

* Kunststoff (Delrin), schwarz, abgeschrägte Trichteröffnung, sterilisierbar
Plastic (Delrin), black, bevelled opening of funnel, autoclavable
De materia plástica (Delrin), negro, orificio en forma de embudo, esterilzable
En matière plastique (Delrin), noir, à orifice chanfreiné, stérilisable
In materia plastica (Delrin), nero, apertura obliqua, sterilizzabile

Ohrspekulumhalter zur Befestigung am Kopfbügel oder der Stange des Operationstisches
Articulated arm for fixation of ear specula to the head bow or the bar of the operating table
Fijador de espéculos auriculares, para fijar al estribo de cabeza o a barra de la mesa operatorio
Collier porte-spéculums auriculaires pour fixation au ressort de tête ou à la barre de la table d'operation
Portaspecolo auricolare, fissabile al poggiatesta o sull'asta del tavolo operatorio

1 flexibler Spannarm Nr. 57.59.10
1 flexible clamping arm No. 57.59.10
1 brazo tensor flexible No. 57.59.10
1 bras articulé flexible No. 57.59.10
1 braccio di fissaggio flessibile No. 57.59.10 ❶

1 Schraubzwinge Nr. 57.59.26
1 screw clamp No. 57.59.26
1 tornillo de apriete No. 57.59.26
1 serre-joint No. 57.59.26
1 morsetto a vite No. 57.59.26 ❷

1 Ohrspekulum-Haltezange Nr. 62.03.86
1 holding clamp for ear specula no. 62.03.86
1 pinza de sujeción para espéculos auriculares No. 62.03.86
1 clamp de serrage pour spéculums auriculaires No. 62.03.86
1 pinza portaspecoli auricolari No. 62.03.86 ❸

komplette Ausstattung bestehend aus:
complete set consisting of:
equipo completo compuesto de:
garniture complète composée de:
attrezzatura completa composta da:



62.03.85

Leyla



# 1 – Ø 6 mm	# 2 – Ø 7 mm
62.04.11	**62.04.12**

Holmgren



# 0 – Ø 3 mm	# 1 – Ø 4 mm
62.04.40	**62.04.41**

# 2 – Ø 5 mm	# 3 – Ø 6 mm
62.04.42	**62.04.43**

Richnau-Holmgren



13 cm – 5⅛″
62.04.75

Paparella

Ø = Außendurchmesser
Outer diameter
Diámetro exterior
Diamètre extérieure
Diametro esterne

Stimmgabelbesteck zu 5 Stück, in Etui
Set of 5 tuning forks, in case
Juego de 5 diapasones, en estuche
Jeu de 5 diapasons, en étui
Serie di 5 diapason, in astuccio



62.05.05
Hartmann

bestehend aus: consisting of: compuesto de: se composant de: omposto da:	
62.05.60	c – 128
62.05.61	c^1 – 256
62.05.12	c^2 – 512
62.05.13	c^3 – 1024
62.05.14	c^4 – 2048



Hartmann

62.05.10	c – 128
62.05.11	c^1 – 256
62.05.12	c^2 – 512
62.05.13	c^3 – 1024
62.05.14	c^4 – 2048
62.05.15	c^5 – 4096



Hartmann

62.05.59	C – 64
62.05.60	c – 128
62.05.61	c^1 – 256



Lucae

62.06.10	c – 128
62.06.11	c^1 – 256
62.06.12	c^2 – 512



62.06.36	a^1 – 440



French

62.05.32	C_{-1} – 32



Rydel-Seiffer

906.20.15	Schraube allein Screw only Tornillo solo Vis seul Vite solo	1
906.20.02	Dämpfer allein, links Mute only, left Sordina sola, izquierda Curseur seul, gauche Cursore solo, sinistra	2
906.20.01	Dämpfer allein, rechts Mute only, right Sordina sola, derecha Curseur seul, droit Cursore solo, destra	3

62.06.50	C – 64 / c – 128

Dämpfer abnehmbar,
mit Dämpfer C 64,
ohne Dämpfer c 128

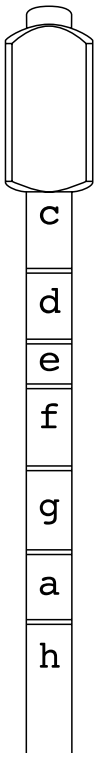
with removable mute,
with mute C 64,
without mute c 128

sordina desmontable,
con sordina C 64,
sin sordina c 128

à curseur amovible,
avec curseur C 64 vibr.,
sans curseur c 128 vibr.

cursori smontabili,
con cursori C 64,
senza cursori c 128





c 128, mit Dämpfer, einstellbar bis h

c 128, with mute, adjustable up to h

c 128, con sordina, ajustable hasta h

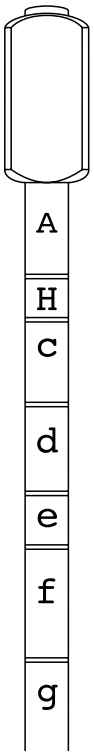
c 128 vibr., avec curseur, réglable jusqu'à h

c 128, con cursori, regolabili fino a h

62.06.70 c – 128

Lucae





a 109, mit Dämpfer, einstellbar bis g

a 109, with mute, adjustable up to g

a 109, con sordina, ajustable hasta g

a 109 vibr., avec curseur, réglable jusqu'à g

a 109, con cursori, regolabili fino a g

62.06.80 A – 109

Koenig



Stimmgabeln aus Aluminium-Speziallegierung

Tuning forks made of special aluminium alloy

Diapasones de aleación especial de aluminio

Diapasons en alliage spécial d'aluminium

Diapason in lega speciale d'alluminio

62.07.11 c^1 – 256



62.07.10 c – 128

62.09.03

Hartgummi-Olive allein
Hard rubber olive only
Oliva de ebonita, solo
Olive en ébonite, seule
Oliva di ebanite, sola



Barany

62.09.02

mit Hartgummi-Ohrolive
with hard rubber ear olive
con oliva de ebonita
avec olive en ébonite
con oliva auricolare di ebanite



62.09.50



Jansen

Hörschlauch, komplett mit:	1 schwarzen Arztolive, 6 Patientenoliven (je 2 × # 1 – 3), mit Ständer für Oliven
Auricular tube complete with:	1 black physician ear olive, 6 patient ear olives (2 ea. # 1 – 3), with rack for ear olives
Tubo auricular, completo con:	1 oliva negra para el médico, 6 olivas para los pacientes (2 de cada # 1 – 3), con caballete para olivas
Tube auriculaire, complet avec:	1 olive noire pour le médicin, 6 olives pour le patient (# 1 – 3, 2 pièces de chaque modèle),avec cadre de rangement pour les olives
Tubo auricolare, completo con:	1 oliva nera per medico, 6 olive per paziente (2 cad. × # 1 – 3), con sostegno per olive



16 cm – 6¼″

62.10.10

Krause



16 cm – 6¼″

62.10.30

Wilde



Ø 0,2 mm	Ø 0,3 mm
62.10.42	**62.10.42**

Schnürerdrähte
Snare wires
Alambres para cierranudos
Fils pour serre-nœud
Fili per serranodi

Rolle zu 10 Meter
Coil 10 m (33.3 ft.)
Rollo de 10 m
Rouleau de 10 m
Rotolo da 10 m



Ø 0,2 mm	Ø 0,3 mm
62.10.47	**62.10.48**

Schnürerdrähte, vorgeformt
Snare wires, preshaped
Alambres para cierranudos, preformadas
Fils pour serre-nœud, préformées
Fili per serranodi, preformati

Bündel zu 100 Stück
Bundle of 100 pieces
Lío de 100 piezas
Botte de 100 pièces
Confezione da 100 pezzi



Buck

15 cm – 6″	scharf sharp cortante tranchant tagliente		15 cm – 6″	stumpf blunt romo mousse smussa	
62.12.09	# 00	Ø 1,5 mm	**62.13.09**	# 00	Ø 1,5 mm
62.12.10	# 0	Ø 1,9 mm	**62.13.10**	# 0	Ø 1,9 mm
62.12.11	# 1	Ø 2,5 mm	**62.13.11**	# 1	Ø 2,5 mm
62.12.12	# 2	Ø 2,7 mm	**62.13.12**	# 2	Ø 2,7 mm
62.12.13	# 3	Ø 3,4 mm	**62.13.13**	# 3	Ø 3,4 mm
62.12.14	# 4	Ø 4,0 mm	**62.13.14**	# 4	Ø 4,0 mm
62.12.15	# 5	Ø 4,5 mm	**62.13.15**	# 5	Ø 4,5 mm



Buck-Wullstein Micro

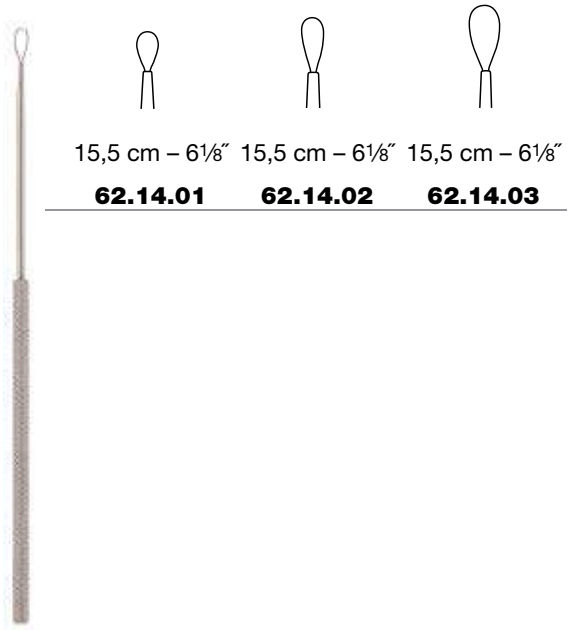
16 cm – 6¼″	stumpf blunt romo mousse smussa	
62.13.50	# 0000	Ø 0,9 mm
62.13.51	# 000	Ø 1,1 mm
62.13.52	# 00	Ø 1,3 mm
62.13.53	# 0	Ø 1,8 mm
62.13.54	# 1	Ø 2,1 mm



Shapleigh

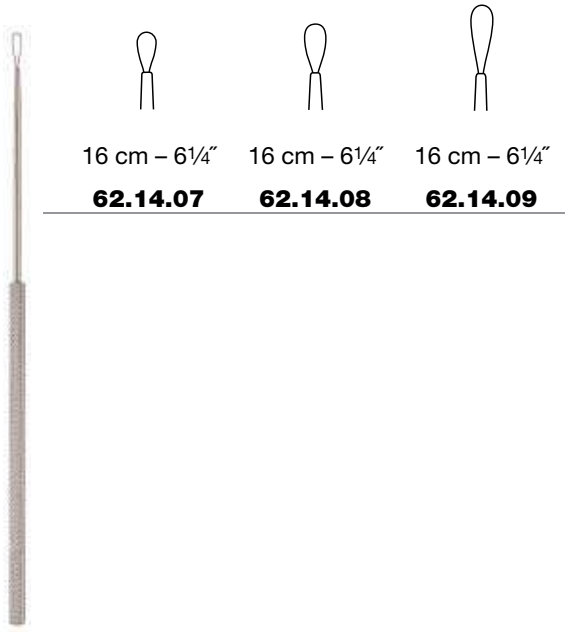
	# 1	# 2
	14 cm – 5½″	14 cm – 5½″
	62.14.31	**62.14.32**

Ø = Innendurchmesser
Inside diameter
Diametro interior
Diamètre intérieur
Diametro interno



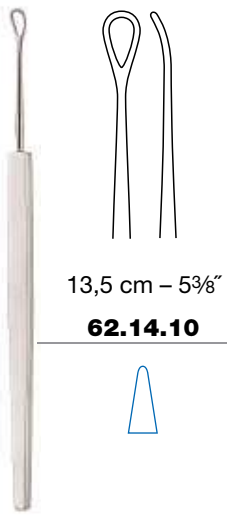
# 1	# 2	# 3
15,5 cm – 6⅛″	15,5 cm – 6⅛″	15,5 cm – 6⅛″
62.14.01	**62.14.02**	**62.14.03**

Billeau



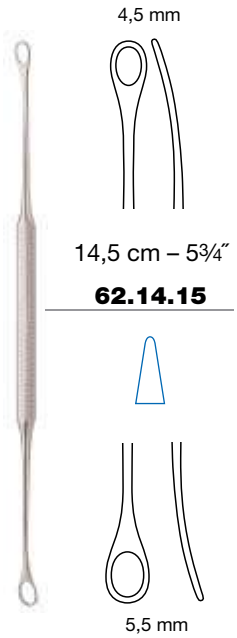
# 00 – 2,0 mm	# 0 – 2,5 mm	# 1 – 3,0 mm
16 cm – 6¼″	16 cm – 6¼″	16 cm – 6¼″
62.14.07	**62.14.08**	**62.14.09**

Billeau-Micro



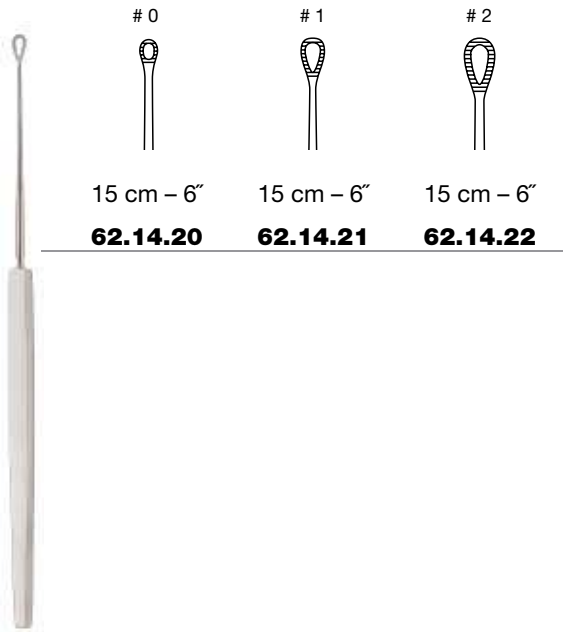
13,5 cm – 5⅜″
62.14.10

Langenbeck



4,5 mm
14,5 cm – 5¾″
62.14.15
5,5 mm

Coxeter

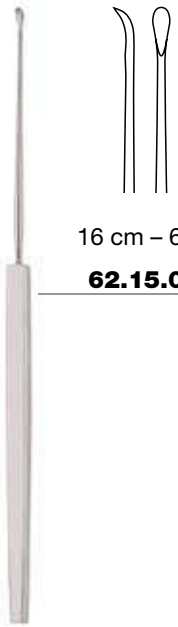


# 0	# 1	# 2
15 cm – 6″	15 cm – 6″	15 cm – 6″
62.14.20	**62.14.21**	**62.14.22**

Weber-Loch



stumpf
blunt
romo
mousse
smusso



16 cm – 6¼″
62.15.05

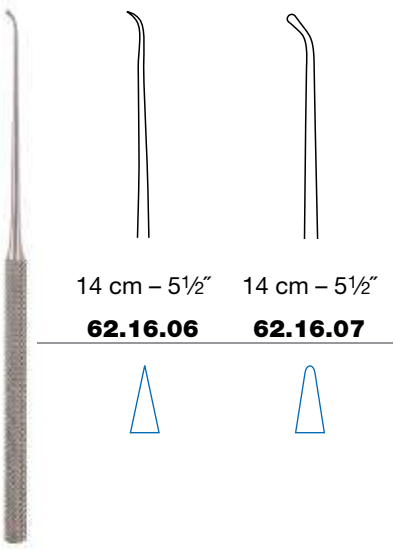
Zaufal



45°

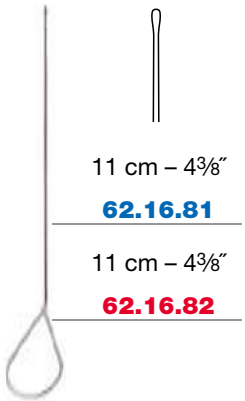
15 cm – 6″
62.15.10

Yankauer-Jansen



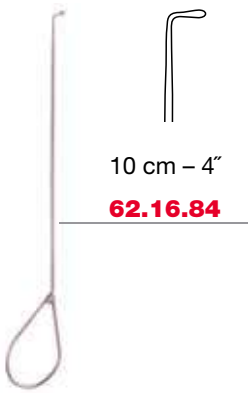
14 cm – 5½″ **62.16.06**
14 cm – 5½″ **62.16.07**

Wagener



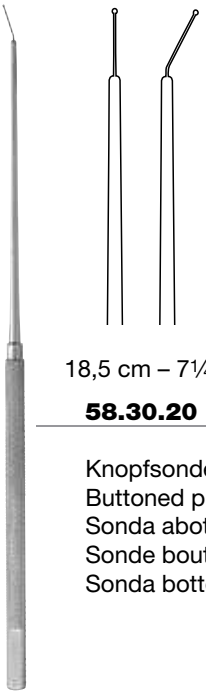
11 cm – 4⅜″
62.16.81
11 cm – 4⅜″
62.16.82

Stacke



10 cm – 4″
62.16.84

Stacke-Frenzel

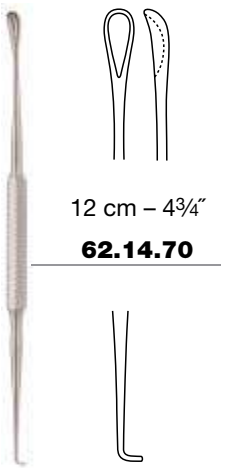


18,5 cm – 7¼″
58.30.20

Knopfsonde
Buttoned probe
Sonda abotonada
Sonde boutonnée
Sonda bottonuta

Jacobson

Ohrlöffel und -Häkchen
Ear spoon and hook
Cucharilla y ganchito auricular
Cuiller et crochet auriculaire
Cucchiaio e uncinetto auricolare



12 cm – 4¾″
62.14.70

Gross

Ohrkürette und -Häkchen
Ear curette and hook
Curetta y ganchito auricular
Curette et crochet auriculaire
Curetta e uncinetto auricolare



12 cm – 4¾″
62.14.75

Gross



1

15 cm – 6″
62.15.11

2

15 cm – 6″
62.15.12

Jansen



1

16 cm – 6¼″
62.15.71

2

16 cm – 6¼″
62.15.72

Hartmann



16 cm – 6¼″
62.16.51

16 cm – 6¼″
62.16.52

Day



2,0 mm

14 cm – 5½″
62.16.01

2,5 mm

14 cm – 5½″
62.16.02

3,0 mm

14 cm – 5½″
62.16.03

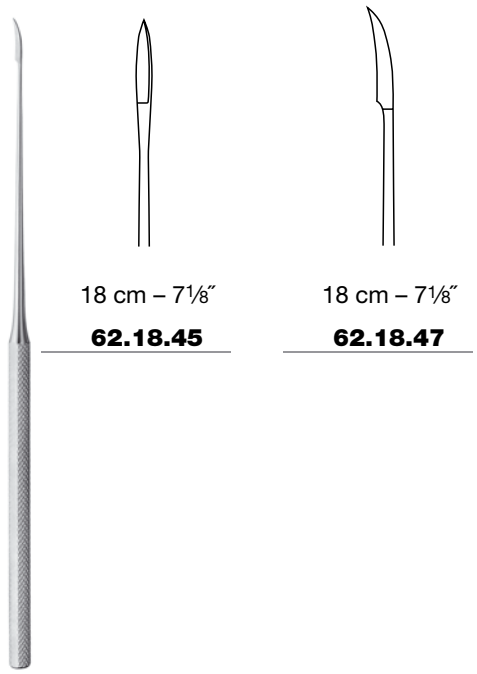
3,5 mm

14 cm – 5½″
62.16.04

4,0 mm

14 cm – 5½″
62.16.05

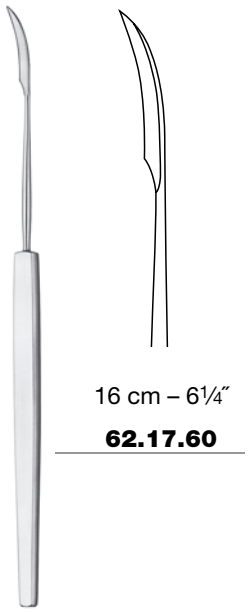
Wagener



18 cm – 7⅛″
62.18.45

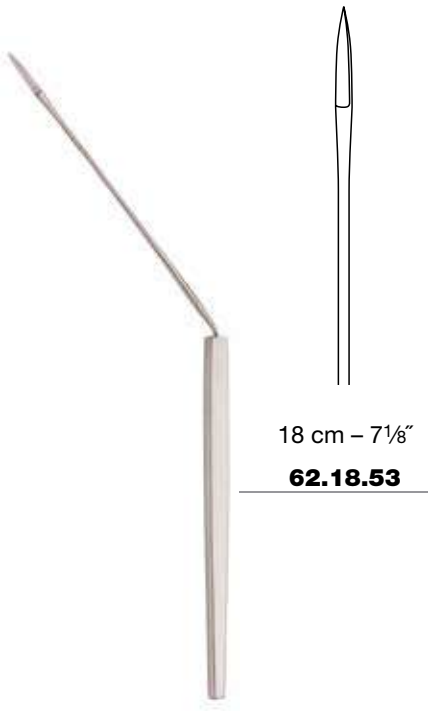
18 cm – 7⅛″
62.18.47

Sexton



16 cm – 6¼″
62.17.60

Politzer



18 cm – 7⅛″
62.18.53

Sexton



18 cm – 7⅛″
62.18.57

Sexton



16 cm – 6¼″

62.18.23

Politzer (Royce)



18 cm – 7⅛″

62.18.25

für Kinder
for children
para niños
pour enfants
per bambini

18 cm – 7⅛″

62.18.27

für Erwachsene
for adults
para adultos
pour adultes
per adulti

Lucae (Royce)



19 cm – 7½″

62.18.30

umsteckbar
reversible
reversible
réversible
giratorio

Politzer



15 cm – 6″

62.18.33

mit Schraubgriff
with screw-locking handle
con mango roscado
avec manche à visser
con manico a vite

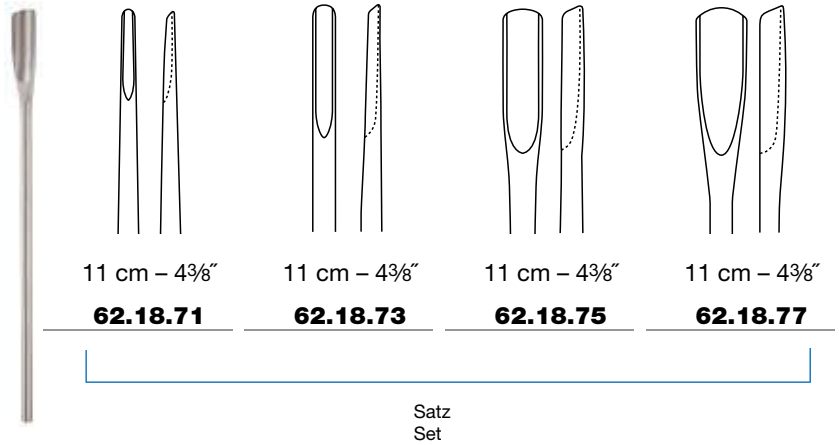
Politzer



19 cm – 7½″

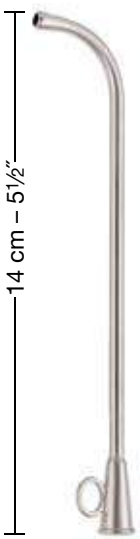
62.18.35

Lucae



11 cm – 4⅜″	11 cm – 4⅜″	11 cm – 4⅜″	11 cm – 4⅜″
62.18.71	**62.18.73**	**62.18.75**	**62.18.77**

62.18.70 Satz / Set / Juego / Jeu / Serie



Hartmann

◉	**62.20.11**	# 1	Ø 2,5 mm	◉	**62.20.14**	# 4	Ø 4 mm
◉	**62.20.12**	# 2	Ø 3 mm	◉	**62.20.15**	# 5	Ø 5 mm
◉	**62.20.13**	# 3	Ø 3,5 mm				



62.20.30

Schlaucholive für HARTMANN Ohrkatheter
Olive-shaped tube connector for HARTMANN ear catheters
Oliva para empalme de tubo para sondas auriculares según HARTMANN
Olive (Raccord-tuyau) pour sondes auriculaires de HARTMANN
Raccordo ad oliva per sonde auricolari di HARTMANN



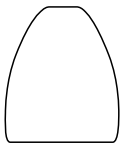
62.20.69 5

Zwischenstücke allein, ohne Nasenolive
Connecting piece only, without nasal olive
Pieza intermedia solo, sin oliva nasal
Pièce intermédiaire seule, sans olive nasale
Connettore intermedio solo, senza oliva nasale

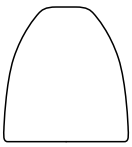
62.20.55 1

Gummi-Birne allein
Rubber bulb only
Pera de goma sola
Poire en caoutchouc seule
Pera di gomma sola

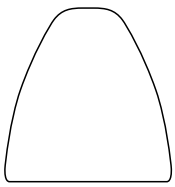
62.20.50
Politzer



Ø 15 mm
62.20.62 2



Ø 17 mm
62.20.63 3



Ø 22 mm
62.20.64 4

Luftdusche, komplett, bestehend aus: Insufflator, complete, consisting of: Insuflador de aire, completo, compuesto de: Douche à air, complète, se composant de: Insufflatore, completo, composta da:		
1 Gummi-Birne Nr. 62.20.55 1 Rubber bulb No. 62.20.55 1 Pera de goma No. 62.20.55 1 Poire en caoutchouc No. 62.20.55 1 Pera di gomma No. 62.20.55	1	
1 Nasenolive Nr. 62.20.62 1 Nasal olive No. 62.20.62 1 Oliva nasal No. 62.20.62 1 Olive nasale No. 62.20.62 1 Oliva nasale No. 62.20.62	2	
1 Nasenolive Nr. 62.20.63 1 Nasal olive No. 62.20.63 1 Oliva nasal No. 62.20.63 1 Olive nasale No. 62.20.63 1 Oliva nasale No. 62.20.63	3	
1 Nasenolive Nr. 62.20.64 1 Nasal olive No. 62.20.64 1 Oliva nasal No. 62.20.64 1 Olive nasale No. 62.20.64 1 Oliva nasale No. 62.20.64	4	
1 Zwischenstück Nr. 62.20.69 1 Connecting piece No. 62.20.69 1 Pieza intermedia No. 62.20.69 1 Pièce intermédiaire No. 62.20.69 1 Connettore No. 62.20.69	5	



62.21.01	Ø 0,7 × 80 mm
62.21.02	Ø 0,9 × 80 mm
62.21.03	Ø 1,2 × 80 mm

Rosen



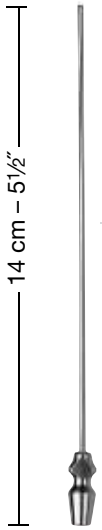
62.21.11	Ø 0,7 × 65 mm
62.21.12	Ø 0,9 × 65 mm
62.21.13	Ø 1,2 × 65 mm
62.21.14	Ø 1,5 × 65 mm
62.21.15	Ø 2,0 × 65 mm

Rosen



62.22.10	Ø 1,0 × 75 mm
62.22.15	Ø 1,5 × 75 mm
62.22.20	Ø 2,0 × 75 mm

Baron (Schuknecht)



Silber, biegsam
Sterling silver, malleable
Plata, maleable
Argent, malléable
Argento, malleabile

62.21.41	Ø 1,5 × 120 mm
62.21.42	Ø 2,0 × 120 mm

zylindrisch
cylindrical
cliíndrico
cylindrique
cilindrico

Wullstein



Silber, biegsam
Sterling silver, malleable
Plata, maleable
Argent, malléable
Argento, malleabile

62.21.43	Ø 1,5 × 120 mm

konisch
conical
cónico
conique
conico

Wullstein

Luer ♂



62.21.48

Schlauchverbindungsstück, passend für ROSEN und WULLSTEIN Saugröhrchen

Tube connector, suitable for ROSEN and WULLSTEIN suction tubes

Pieza de unión para tubo, apropiada para los tubitos aspiradores según ROSEN y WULLSTEIN

Raccord-tuyaux, pour tubes aspirateurs de ROSEN et WULLSTEIN

Raccordo per tubo, per cannule per aspirazione di ROSEN e WULLSTEIN



Luer

62.21.46

Spül- und Saughandgriff, passend für
ROSEN und WULLSTEIN Spül- und Saugrohre

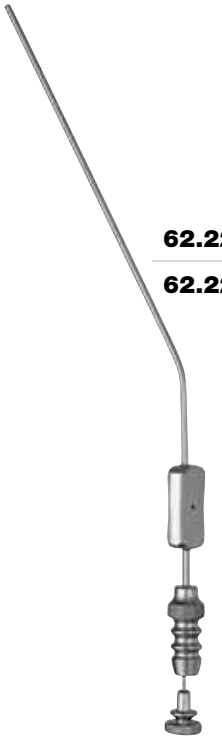
Irrigating and aspirating suction handle, for
ROSEN and WULLSTEIN irrigation and suction tubes

Mango irrigador y aspirador, para los tubos de lavado
y de aspiración según ROSEN y WULLSTEIN

Manche aspirateur et irrigateur, s'adaptant aux tubes
aspirateurs/irrigateurs de ROSEN et WULLSTEIN

Manico per aspirazione e lavaggio, per cannule per
aspirazione e lavaggio di ROSEN e WULLSTEIN

Wullstein



62.22.61	# 1	Ø 1,7 mm × 190 mm
62.22.62	# 2	Ø 2,0 mm × 190 mm

Nutzlänge 11 cm
Working length 11 cm – 4⅜″
Largo útil 11 cm
Longueur utile 11 cm
Lunghezza utile 11 cm

Frazier (Fergusson)



Luer

62.22.30

Absaugröhrchen mit Griffplatte
Suction tube with finger plate
Tubito de succión, con mango rectangular plano
Tube aspirateur à appui-doigt
Cannula per aspirazione con appoggiadita

komplett mit 1 aufsetzbaren Kanüle Nr. 62.22.37
complete with 1 slip-on cannula No. 62.22.37
completo con 1 cánula desmontable No. 62.22.37
complet avec 1 canule démontable No. 62.22.37
completa di 1 cannula applicabile No. 62.22.37

62.22.31

Saugrohr allein (ohne Kanüle)
Aspirating tube only (without cannula)
Tubo aspirador solo (sin cánula)
Tube à aspiration, seul (sans canule)
Cannula aspiratrice, sola (senza cannula)

Zöllner

Aufsetzbare Mikro-Saugkanüle allein
Slip-on micro suction cannula only
Micro cánula aspiradora, sola
Micro canule aspiratrice démontable, seule
Micro cannula aspiratrice applicabile, sola



62.22.35	Ø 0,5 mm
62.22.37	Ø 0,7 mm

Nutzlänge 3 cm
Working length 3 cm – 1⅛″
Largo útil 3 cm
Longueur utile 3 cm
Lunghezza utile 3 cm

Zöllner



62.22.71	# 1
	für das rechte Ohr for the right ear para oído recto pour oreille droite per orecchio destro

Hartmann



62.22.72	# 2
	für das inke Ohr for the left ear para oído izquierdo pour oreille gauche per orecchio sinistro

Hartmann

Nutzlänge 11 cm
Working length 11 cm – 4⅜″
Largo útil 11 cm
Longueur utile 11 cm
Lunghezza utile 11 cm



62.23.09	# 1	Ø 0,9 + 0,7 mm
62.23.12	# 2	Ø 1,2 + 0,9 mm
62.23.15	# 3	Ø 1,5 + 1,2 mm

House

Nutzlänge 9 cm
Working length 9 cm – 3½″
Largo útil 9 cm
Longueur utile 9 cm
Lunghezza utile 9 cm



62.23.18	Ø 1,8 + 1,8 mm
62.23.25	Ø 2,5 + 2,0 mm
62.23.30	Ø 3,0 + 2,0 mm
62.23.45	Ø 4,5 + 2,0 mm

Nutzlänge 9 cm
Working length 9 cm – 3½″
Largo útil 9 cm
Longueur utile 9 cm
Lunghezza utile 9 cm



50 ml	75 ml	100 ml
62.24.05	**62.24.07**	**62.24.10**

Ganzmetall-Ohrspritze
All metal ear syringe
Jeringa para el oído, todo metal
Seringue auriculaire, tout métal
Siringa auricolare, interamente in metallo

komplett mit 2 Aufsätzen und 1 Schutzteller, mit Luer-Lock-Ansatz
complete with 2 attachments and 1 protecting plate, with Luer-Lock cone
completa con 2 piezas sobrepuestas y 1 platillo protectador, con cono Luer-Lock
complète avec 2 embouts et assiette protectrice, avec cône Luer-Lock
completa di 2 attacchi e 1 piatto protettore con cono Luer-Lock

Ersatzteile
Spare parts
Piezas de repuesto
Pièces de rechange
Pezzi di ricambio



Aufsatz allein, konisch, mit Luer-Lock-Ansatz Conical attachment only, with Luer-Lock cone Pieza sobrepuesta, sola, cónica, con cono Luer-Lock Embout, seul, conique, avec cône Luer-Lock Attacco, solo, conico, con cono Luer-Lock		**62.24.16**
Aufsatz allein, olivenförmig, mit Luer-Lock-Ansatz Olive-shaped attachment only, with Luer-Lock cone Pieza sobrepuesta, sola, forma de oliva, con cono Luer-Lock Embout, seul, olivaire, avec cône Luer-Lock Attacco, solo, olivare, con cono Luer-Lock		**62.24.17**
Schutzteller allein, Ø 58 mm, mit Luer-Lock-Ansatz Protective plate only, Ø 58 mm, with Luer-Lock cone Platillo protectador, solo, Ø 58 mm, con cono Luer-Lock Assiette protectrice, seule, Ø 58 mm, avec cône Luer-Lock Piatto protettore, solo, Ø 58 mm, con cono Luer-Lock		**62.24.19**



Kabierske

30 ml

62.28.00

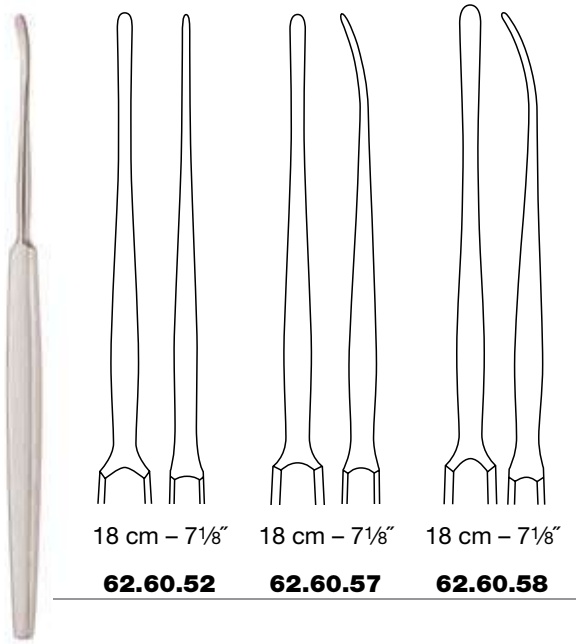
Pulverbläser
Powder blower
Pulverizador
Pulvérisateur
Polverizzatore

komplett mit je 1 Kanüle Nr. 62.28.16-18
complete with 1 cannula ea. No. 62.28.16-18
completo con 1 cánula de cada uno de los No. 62.28.16-18
complet avec 1 canule de chacun des No. 62.28.16-18
completo di 1 cannule No. 62.28.16-18

Ersatzteile
Spare parts
Piezas de repuesto
Pièces de rechange
Pezzi di ricambio

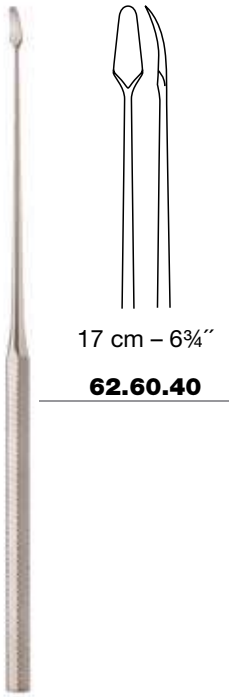


Ersatz-Glasbehälter, 30 ml Spare glass bottle, 30 ml Recipiente de vidrio de repuesto, 30 ml Récipient de rechange, en verre, 30 ml Recipiente di vetro di ricambio, 30 ml		**62.28.10**
Metall-Aufsatz mit Ventilball Metal cap, with rubber bulb Pieza sobrepuesta con pera valvular Embout métallique avec poire à soupape Attacco metallico con pera e valvola		**62.28.11**
Ventilball allein Rubber bulb only Pera de goma con válvula, sola Poire à soupape, seule Pera di gomma con valvola, sola		**62.28.12**
Ohrkanüle allein Ear cannula only Cánula auricular, sola Canule auriculaire, seule Cannula auricolare, sola		**62.28.16** 8 cm - 3⅛″
Nasenkanüle allein Nasal cannula only Cánula nasal, sola Canule nasale, seule Cannula nasale, sola		**62.28.17** 11 cm – 4⅜″
Kehlkopfkanüle allein Laryngeal cannula only Cánula laríngeal, sola Canule laryngienne, seule Cannula laringea, sola		**62.28.18** 13 cm – 5⅛″



18 cm – 7⅛″	18 cm – 7⅛″	18 cm – 7⅛″
62.60.52	**62.60.57**	**62.60.58**

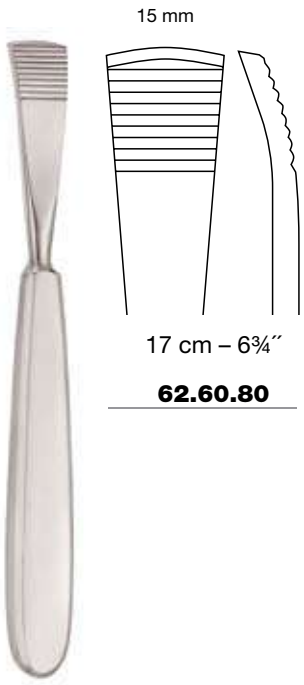
Lempert



17 cm – 6¾″

62.60.40

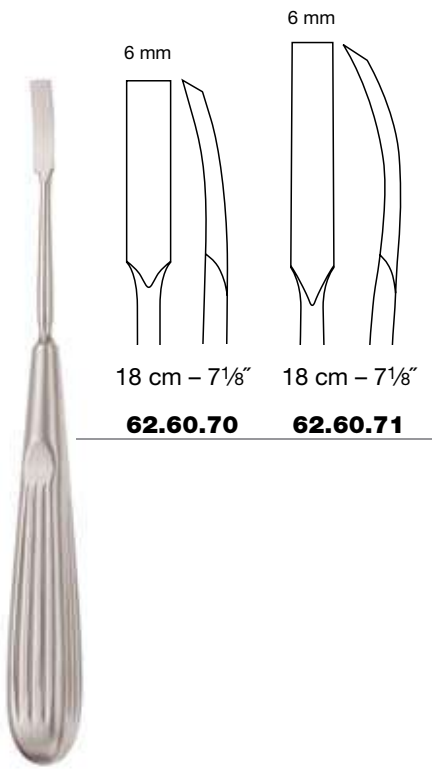
Wullstein



17 cm – 6¾″

62.60.80

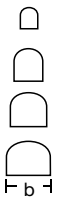
Jansen



18 cm – 7⅛″	18 cm – 7⅛″
62.60.70	**62.60.71**

Lempert

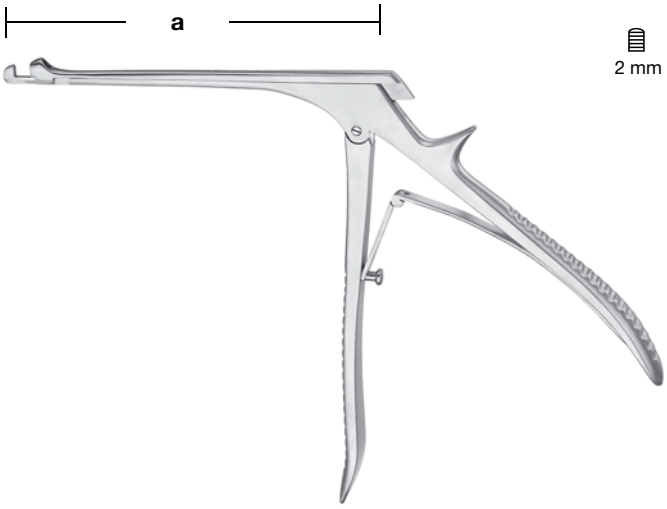




		b
62.62.03	# 0	3 mm
62.62.04	# 1	4 mm
62.62.05	# 2	5 mm
62.62.06	# 3	6 mm

Kerrison

Attikusstanzen
Atticus punches
Pinzas cortantes para el ático
Pinces emporte-pièces pour l'attique
Pinze tagliente per l'attico



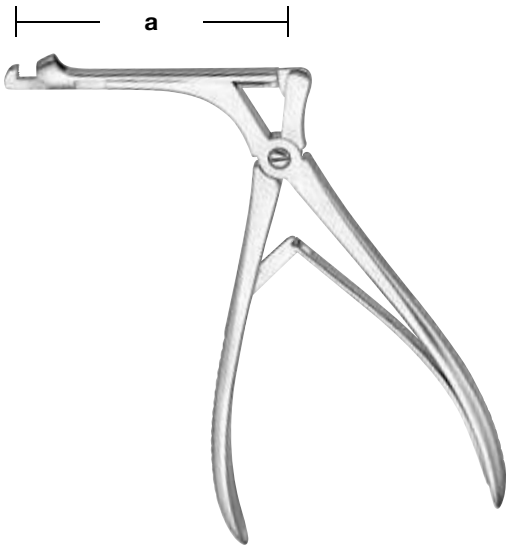


	a
62.62.72	9,5 cm – 3¾″
62.62.73	17 cm – 6¾″

durchschneidend
through-cutting
cortante
coupant
tagliente

Beyer

durchschneidend
through-cutting
cortante
coupant
tagliente



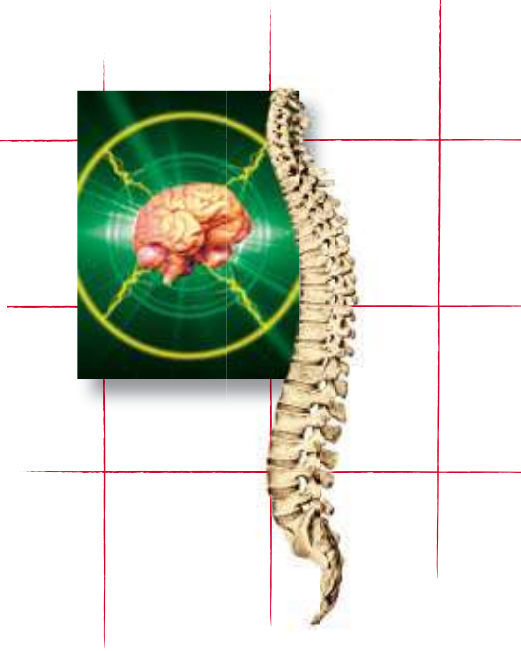


		a	b
	62.62.51	6 cm – 2⅜″	1,5 mm
	62.62.52	6 cm – 2⅜″	2,5 mm
	62.62.53	6 cm – 2⅜″	4,0 mm
	62.62.54	17 cm – 6¾″	1,5 mm

Citelli

Advertisement

Beachten Sie auch unseren Spezialkatalog „Neurochirurgie“
Please also pay attention to our special catalogue “Neurosurgery“
Observe nuestro catálogo especializado “Neurocirugía“
Vous pouvez également consulter notre catalogue “Neurochirurgie“
Consultate anche il nostro catalogo speciale “Neurochirurgia„





62.90.30

Lupenbrille mit Metallfassung
Magnifying glasses in metal frame
Gafas de lupa con montura de metal
Lunettes à loupe avec monture en métal
Occhiali d'ingrandimento con montatura in metallo

2,5-fache Vergrößerung
2,5 × magnification
Aumento de 2,5
Grossissement 2,5 fois
Con ingrandimento 2,5 vv.

Optik vergütet und farbkorrigiert
The optical system is colour-corrected and coated
Óptica con tratamiento antireflexión y corrección cromática
Optique affinée avec correction de la couleur
Ottica affinata e corretta nel colore

Individuelle Anpassung der Lupenkörper an den Pupillenabstand
The oculars are individually adjustable of the pupils distance
Adaptación inidividual de la lupa a la distancia interpupilar
Les corps de loupe s'adaptent individuellement à la distance des pupilles
Adattamento individuale della lente alla distanza della pupilla

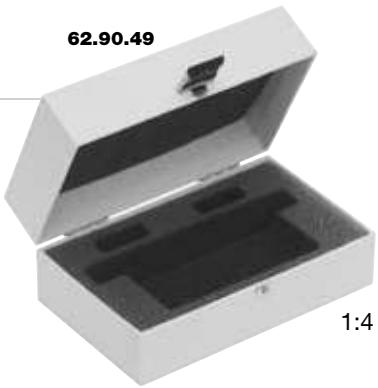
Einzeln schwenkbare Lupen zur Einstellung des Konvergenzwinkels
Swivel magnifiers can be separately adjusted to the angle of convergence
Lupas individualmente giratorias para el ajuste del ángulo de convergencia
Chaque loupe est pivotante pour l'ajustement de l'angle de convergence
Singole lenti amovibili per la regolazione dell'angolo di convergenza

Optionales Zubehör
Optional accessories
Accesorios opcionales
Accessoires optionnels
Accessori opzionali



Etui zur Aufbewahrung der Lupenbrille
Case for storage of the magnifying glasses
Estuche para depositar las gafas de lupa
Etui pour stockage des lunettes à loupe
Astuccio per conservazione degli occhiali d'ingrandimento

62.90.49



1:4



62.90.80

Binokulare Stirnlupe mit verstellbarem Kunststoff-Stirnband
Binocular magnifying glasses with adjustable plastic headband
Lupa frontal binocular con cinta plástica ajustable
Loupe frontale binoculaire avec bandeau frontal en matière plastique, réglable
Lente frontale binoculare con fascia frontale in plastica regolabile

2,5-fache Vergrößerung
2,5 × magnification
Aumento de 2,5
Grossissement 2,5 fois
Con ingrandimento 2,5 vv.

Optik vergütet und farbkorrigiert
The optical system is colour-corrected and coated
Óptica con tratamiento antireflexión y corrección cromática
Optique affinée avec correction de la couleur
Ottica affinata e corretta nel colore

Individuelle Anpassung der Lupenkörper an den Pupillenabstand
The oculars are individually adjustable of the pupils distance
Adaptación inidividual de la lupa a la distancia interpupilar
Les corps de loupe s'adaptent individuellement à la distance des pupilles
Adattamento individuale della lente alla distanza della pupilla

Einzeln schwenkbare Lupen zur Einstellung des Konvergenzwinkels
Swivel magnifiers can be separately adjusted to the angle of convergence
Lupas individualmente giratorias para el ajuste del ángulo de convergencia
Chaque loupe est pivotante pour l'ajustement de l'angle de convergence
Singole lenti amovibili per la regolazione dell'angolo di convergenza



Frenzel

62.90.90

Nystagmusbrille aus Kunststoff mit Beleuchtung und aufklappbaren Gläsern
Nystagmus spectacles in plastic frame with illumination and swivel glasses
Gafas de plástico para Nystagmus con iluminación y vidrios rebatibles
Lunettes pour Nystagmus, en matière plastique avec éclairage et verres relevables
Occhiali per Nystagmus in plastica con illuminazione e vetri decappottabili

Bikonvexlinsen +18,0 Dioptrien mit Anschlusskabel 1,4 m für Trafo
Bi-convex lenses +18,0 diopters with connecting cable 1,4 m for transformer
Lentes biconvexos + 18,0 dioptría con cable de conexión 1,4 m para transformador
Lentilles biconvexes +18,0 dioptries avec câble de raccordement 1,4 m pour transformateur
Lenti biconvesse + 18,0 diottrie con cavo di raccordo 1,4 m per trasformatore

Ersatzteile
Spare parts
Piezas de repuesto
Pièces de rechange
Pezzi di ricambio



Steckernetzteil für 62.90.90 Wall power supply for 62.90.90 Fuente de alimentación para 62.90.90 Prise d'alimentation pour 62.90.90 Trasformatore per 62.90.90	**62.90.93** (230 V) **62.90.94** (110 V)
Ersatzlampe Spare bulb Lámpara de repuesto Lampe de rechange Lampada di ricambio	**62.90.98** 4 V / 0,23 Amp / 1 Watt



62.90.95

Frenzel

Nystagmusbrille aus Kunststoff mit Beleuchtung und festen Gläsern
Nystagmus spectacles in plastic frame with illumination and fixed glasses
Gafas de plástico para Nystagmus con iluminación y vidrios sólidos
Lunettes pour Nystagmus en matière plastique avec éclairage et verres solide
Occhiali per Nystagmus in plastica con illuminazione e vetri soldio

Bikonvexlinsen +18,0 Dioptrien
Bi-convex lenses +18,0 diopters
Lentes biconvexos + 18,0 dioptría
Lentilles biconvexes +18,0 dioptries
Lenti biconvesse + 18,0 diottrie

Lichtstärke regelbar
Light intensity control
Intensidad de luz regulable
Régulateur de puissance de lumière
Intensità luminosa regolabile

Batteriegriff (ohne Batterien)
Battery handle (without batteries)
Mango de pila (sin pilas)
Manche à pile (sans piles)
Manico per batteria (senza batteria)

Ersatzteile
Spare parts
Piezas de repuesto
Pièces de rechange
Pezzi di ricambio



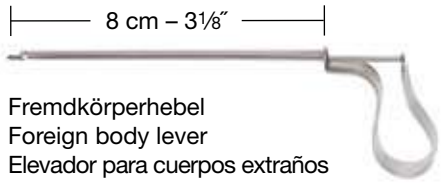
Ersatzlampe
Spare bulb
Lámpara de repuesto
Lampe de rechange
Lampada di ricambio

62.90.98
4 V / 0,23 Amp / 1 Watt

Batterie (3 Stück werden benötigt)
Battery (3 pieces needed)
Pila (se necesitan 3 piezas)
Pile (3 pièces requises)
Pila (sono necessari 3 pezzi)



45.49.92
(R 14 · Typ C · 1,5 V)





10 cm – 4″

62.30.05

Fremdkörperhebel
Foreign body lever
Elevador para cuerpos extraños
Levier pour corps étrangers
Leva per corpi extranei

Quire





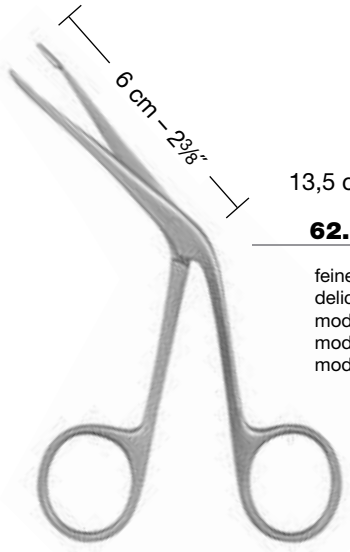
13 cm – 5⅛″

62.30.10

Fremdkörperzängchen
Foreign body forceps
Pinza para cuerpos extraños
Pince pour corps étrangers
Pinza per corpi estranei

Medicon

Ohrtamponzängchen
Ear dressing forceps
Pinzas auriculares para taponamiento
Pinces à pansements auriculaires
Pinze per tamponamento dell'orecchio





13,5 cm – 5⅜″

62.30.20

feines Modell
delicate pattern
modelo fino
modèle délicat
modello delicato



13,5 cm – 5⅜″

62.30.21

Standardmodell
Standard pattern
Modelo estándar
Modèle standard
Modello standard

Hartmann

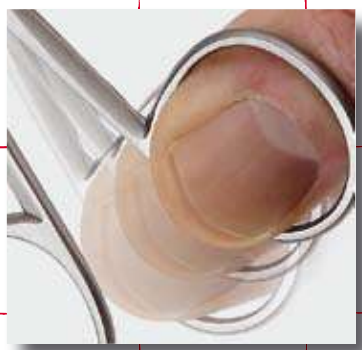




14 cm – 5½″

62.30.40

Tilley



Ohrzängchen mit daumenbeweglichen Ringgriffen,
(Katalognummer rot) ermöglichen ein exakteres Arbeiten.

Ear forceps with ring handles for thumb manipulation,
(catalogue number red) for a more precise work.

Pinza auriculares con anillos para manejar con el pulgar,
(número de catálogo rojo) permiten un trabajo más exacto.

Pinces auriculaires avec anneaux maniables par le pouce,
(numéro de catalogue rouge) permettent un travail plus exact.

Pinze auricolari con anelli di maneggio attraverso il pollice,
(numero de catalogo rosso) permette un lavoro più preciso.

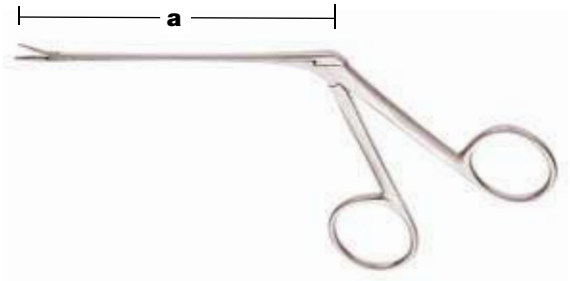


Siehe Darstellungen auf den folgenden Seiten.
See illustrations on the following pages.
Véase las ilustraciones en las páginas siguientes.
Voyez les illustrations sur les pages suivantes.
Guardate le illustrazioni sulle seguenti pagine.



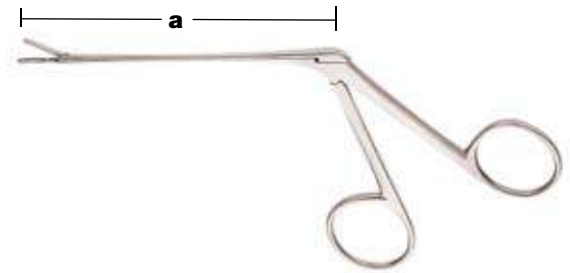
62.33.00

daumenbeweglich
thumb manipulation
manejar con el pulgar
maniable par le pouce
maneggio attraverso il pollice



Hartmann

		a
	62.31.10 **62.31.12**	8 cm – 3⅛″
	62.31.20 **62.31.22**	14 cm – 5½″
	62.31.30 **62.31.32**	16 cm – 6¼″

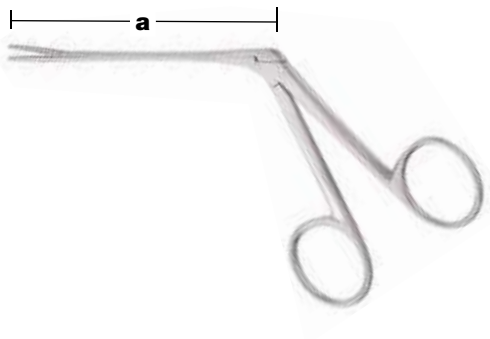


Hartmann

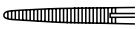
			a	
		62.32.50	8 cm – 3⅛″	
		62.33.00 **62.33.01**	8 cm – 3⅛″	mittelfein medium fine medio-fino demi-fine mediofine
		62.33.10 **62.33.12**	8 cm – 3⅛″	



daumenbeweglich
thumb manipulation
manejar con el pulgar
maniable par le pouce
maneggio attraverso il pollice





		a
	**62.31.40** **62.31.42**	8 cm – 3⅛″

Hartmann-Noyes



		a
	**62.31.63**	8 cm – 3⅛″

Hartmann



		a
Ø 2,0 mm	**62.32.16** **62.32.11**	8 cm – 3⅛″
Ø 2,2 mm	**62.32.17** **62.32.12**	8 cm – 3⅛″
Ø 2,5 mm	**62.32.18** **62.32.13**	8 cm – 3⅛″
Ø 3,0 mm	**62.32.19** **62.32.14**	8 cm – 3⅛″

Hartmann-Herzfeld

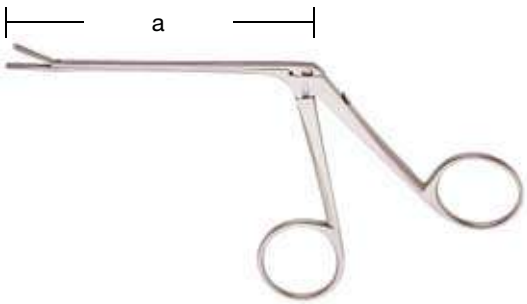


		a
Ø 2,0 mm	**62.32.06** **62.32.01**	8 cm – 3⅛″
Ø 2,2 mm	**62.32.07** **62.32.02**	8 cm – 3⅛″
Ø 2,5 mm	**62.32.08** **62.32.03**	8 cm – 3⅛″
Ø 3,0 mm	**62.32.09** **62.32.04**	8 cm – 3⅛″

Hartmann-Herzfeld



daumenbeweglich
thumb manipulation
manejar con el pulgar
maniable par le pouce
maneggio attraverso il pollice





		a
	**62.31.52**	8 cm – 3⅛″

Entenschnabel
Duckbill
Pico de pato
Bec de canard
Becco d'anatra



		a
	**62.31.70**	8 cm – 3⅛″

Weingärtner



		a
	**62.32.60**	8 cm – 3⅛″

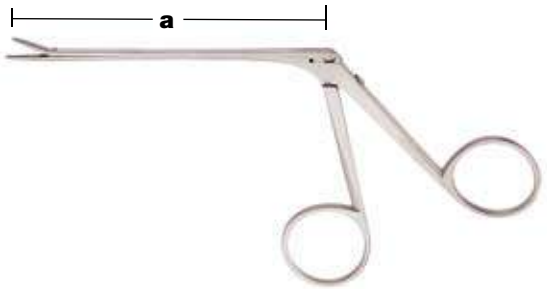
Struempel



		a
	**62.32.61**	8 cm – 3⅛″

Struempel-Baby

kräftiges Modell
heavy pattern
modelo fuerte
modèle fort
modello forte





		a
	62.33.22	8 cm – 3⅛″

Bellucci



		a
6 × 0,8 mm	**62.46.11**	7,5 cm – 3″

Schuknecht



		a
6 × 0,8 mm	**62.49.19**	7,5 cm – 3″

Fuller

Drahtbiegezängchen zum Schließen der Drahtschlinge von Teflon-Draht-Stapesprothesen nach dem Aufsetzen auf Incus oder Malleus, Maulteile leicht nach unten gebogen.

Wire crimper for closing wire loop of stapedial prostheses after attachment to incus or malleus. Jaws slightly curved downwards.

Pinza plegadora para cerrar el lazo de hilo de teflón de la prótesis del estribo después de haber sido colocada sobre el yunque o el martillo, puntas ligeramente curvos hacia abajo.

Pince plieuse pour fermer l'anse en fil de téflon de prothèses stapédiales après leur placement autour de l'enclume ou du marteau, mors à courbure légère en bas.

Pinza per piegare fili metallici – per serrare, dopo il loro innesto sul martelletto o sull'incudine, il laccio delle protesi di stapes in teflon, morsi a curva leggera in basso.

Faßzängchen zum Halten und Einsetzen von Teflon-Stapesprothesen

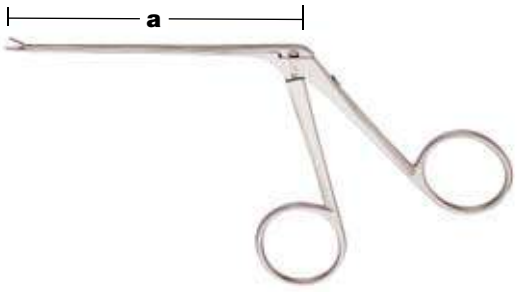
Forceps for holding and inserting stapedial prostheses of teflon

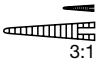
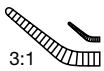
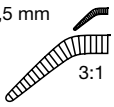
Pinza prensora para coger y colocar prótesis de estribo en teflón

Pince à préhension pour fixation et insertion de prothèses stapédiales en téflon

Pinza porta-introduci di protesi in teflon dello stapes



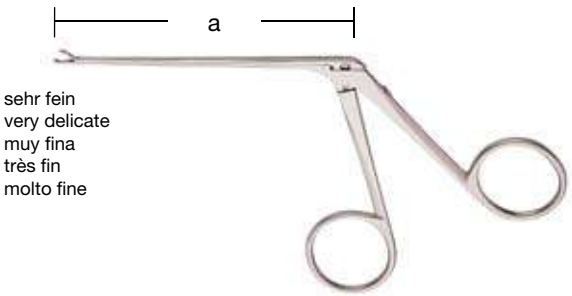


			a	
	4 × 0,5 mm  3:1	**62.34.31** **62.34.01**	8 cm – 3⅛″	
	4 × 0,5 mm  3:1	**62.34.32** **62.34.12**	8 cm – 3⅛″	
	3 × 0,5 mm  3:1	**62.34.34** **62.34.14**	8 cm – 3⅛″	sehr fein delicate muy fina très fin molto fine
	3 × 0,5 mm  3:1	**62.34.36** **62.34.16**	8 cm – 3⅛″	
	3 × 0,5 mm  3:1	**62.34.37** **62.34.17**	8 cm – 3⅛″	
	7 × 0,5 mm  3:1	**62.34.39** **62.34.22**	8 cm – 3⅛″	



daumenbeweglich
thumb manipulation
manejar con el pulgar
maniable par le pouce
maneggio attraverso il pollice





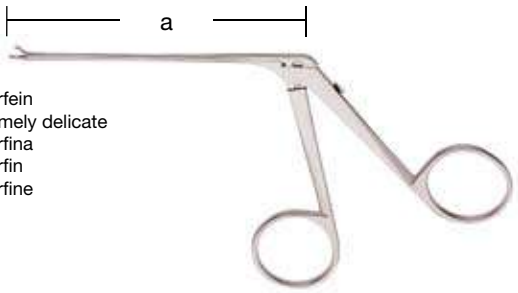
sehr fein
very delicate
muy fina
très fin
molto fine

		a		
	1 × 0,9 mm	**62.37.20** **62.37.12**	8 cm – 3⅛″	Löffelzängchen Forceps with cup jaws Pinzas con boca en forma de cucharilla Pinces mors curette Pinze con morsi a forma di cucchiaio
	1 × 0,9 mm	**62.37.22** **62.37.14**	8 cm – 3⅛″	
	1 × 0,9 mm	**62.37.24** **62.37.16**	8 cm – 3⅛″	
	1 × 0,9 mm	**62.37.26** **62.37.17**	8 cm – 3⅛″	



daumenbeweglich
thumb manipulation
manejar con el pulgar
maniable par le pouce
maneggio attraverso il pollice





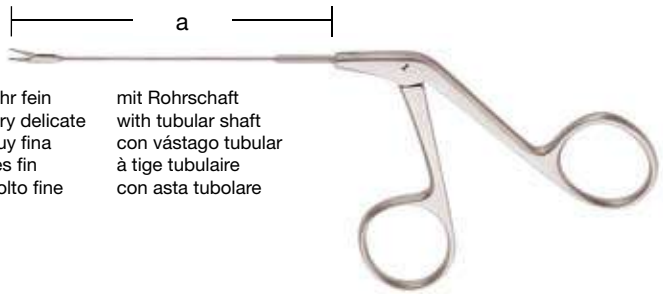
superfein
extremely delicate
superfina
superfin
superfine

		a		
	0,6 × 0,5 mm	**62.39.20** **62.39.12**	8 cm – 3⅛″	Löffelzängchen Forceps with cup jaws Pinzas con boca en forma de cucharilla Pinces mors curette Pinze con morsi a forma di cucchiaio
	0,6 × 0,5 mm	**62.39.22** **62.39.14**	8 cm – 3⅛″	
	0,6 × 0,5 mm	**62.39.24** **62.39.16**	8 cm – 3⅛″	
	0,6 × 0,5 mm	**62.39.26** **62.39.17**	8 cm – 3⅛″	
	4 × 0,4 mm 3:1	**62.35.16** **62.35.12**	8 cm – 3⅛″	
	4 × 0,4 mm 3:1	**62.35.18** **62.35.14**	8 cm – 3⅛″	



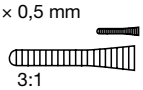
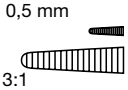
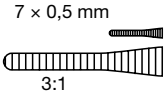
daumenbeweglich
thumb manipulation
manejar con el pulgar
maniable par le pouce
maneggio attraverso il pollice



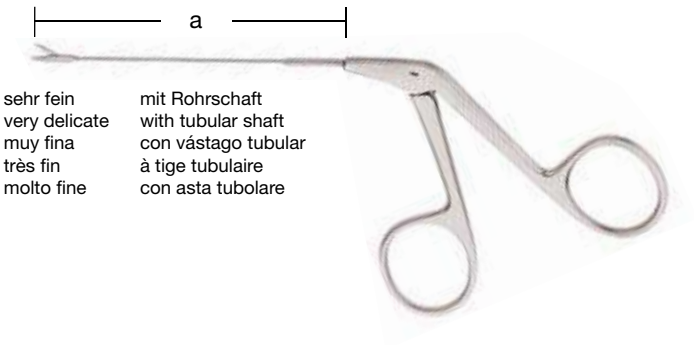


sehr fein
very delicate
muy fina
très fin
molto fine

mit Rohrschaft
with tubular shaft
con vástago tubular
à tige tubulaire
con asta tubolare

		a		
	5 × 0,5 mm  3:1	**62.50.12**	8 cm – 3⅛″	
	4 × 0,5 mm  3:1	**62.50.14**	8 cm – 3⅛″	
	7 × 0,5 mm  3:1	**62.50.23**	8 cm – 3⅛″	
	Ø 0,9 mm  3:1	**62.50.30**	8 cm – 3⅛″	Löffelzängchen Forceps with cup jaws Pinzas con boca en forma de cucharilla Pinces mors curette Pinze con morsi a forma di cucchiaio
	1,2 × 0,9 mm  3:1	**62.50.35**	8 cm – 3⅛″	
	5 × 2 mm 	**62.50.60**	8 cm – 3⅛″	**Wullstein-Blakesley**





sehr fein
very delicate
muy fina
très fin
molto fine

mit Rohrschaft
with tubular shaft
con vástago tubular
à tige tubulaire
con asta tubolare

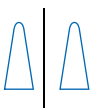
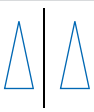
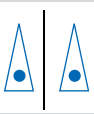
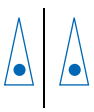
			a	
	**62.50.52**	gerade straight recta droites retta	8 cm – 3⅛″	
	**62.50.54**	aufgewinkelt angled upwards angulado hacia arriba coudées en haut angolata in su	8 cm – 3⅛″	
	**62.50.56**	rechts gebogen curved right curva derecho courbes à droite curva destra	8 cm – 3⅛″	
	**62.50.57**	links gebogen curved left curva izquierdo courbes à gauche curva sinsitra	8 cm – 3⅛″	

spitz
sharp
aguda
pointu
acuta





Shea-Bellucci

	**62.41.10**	gerade straight recta droites retta	
	**62.41.12**	gerade straight recta droites retta	
	**62.41.16**	rechts gebogen curved right curva derecho courbes à droite curva destra	
	**62.41.17**	links gebogen curved left curva izquierdo courbes à gauche curva sinsitra	

spitz
sharp
aguda
pointu
acuta

stumpf
blunt
romo
mousse
smusso

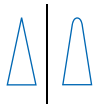
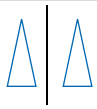
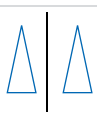
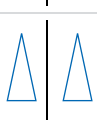
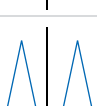
halbspitz
semisharp
semi aguda
semi pointu
semi acuta





sehr fein
very delicate
muy fina
très fin
molto fine

Bellucci

	**62.42.20** **62.42.11**	gerade straight recta droites retta	
	**62.42.22** **62.42.12**	gerade straight recta droites retta	
	**62.42.24** **62.42.13**	aufgewinkelt angled upwards angulado hacía arriba coudées en haut angolata in su	
	**62.42.26** **62.42.16**	rechts gebogen curved right curva derecho courbes à droite curva destra	
	**62.42.28** **62.42.17**	links gebogen curved left curva izquierdo courbes à gauche curva sinsitra	



daumenbeweglich
thumb manipulation
manejar con el pulgar
maniable par le pouce
maneggio attraverso il pollice



spitz
sharp
aguda
pointu
acuta



stumpf
blunt
romo
mousse
smusso



8 cm – 3⅛″

Hammerkopfstanzen
Malleus punches
Pinzas saca-bocadas para cabeza del martillo
Pinces emporte-pièce pour la tête du marteau
Pinze taglienti per testa del martelletto taglio a scalpello



Dieter

1,3 mm



∩	**62.48.14**	nach oben schneidend upwards cutting cortante hacía arriba coupant en haut tagliente in alto
∪	**62.48.15**	nach unten schneidend downwards cutting cortante hacía abajo coupant en bas tagliente in giù
⊃	**62.48.16**	nach rechts schneidend right cutting cortante hacía derecho coupant à la droite tagliente a destra
⊂	**62.48.17**	nach links schneidend left cutting cortante hacìa izquierdo coupant à la gauche tagliente a sinistra

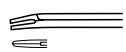
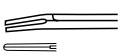
8 cm – 3⅛″

Drahtbiegezängchen
Wire bending forceps
Pinzas plegadoras de alambre
Pinces plieuse
Pinze per piegare fili metallici



McGee



3,5 × 0,8 mm 	**62.46.14**	zum Einführen und Einsetzen von Teflon-Draht-Stapesprothesen, Maulteile leicht nach unten gebogen for application of stapedial Teflon-Wire prostheses, jaws slightly curved downwards para introducir e insertar la prótesis del estribo en hilo de teflón, picos ligeramente curvos hacia abajo pour l'introduction et la mise en place de prothèses stapédiales en fil de téflon, mors à courbure légère en bas per l'introduzione l'innesto di protesi di stapes in teflon, morsi a curva leggera in basso
4,5 × 0,8 mm 	**62.46.15**	



7 cm – 2¾″





3 × 1 mm

62.49.10

Greven

Faßzängchen zum Entfernen otosklerotischer Wucherungen, auch geeignet zum Einsetzen von Innerohr-Prothesen und Drainageknöpfen.

Grasping Forceps for the removal of otosclerotic proliferations, also suitable for inserting prostheses into the inner ear and for setting drainage buttons.

Pinza prensora para remover proliferaciones otoescleróticas, también prestándose para la colocación de prótesis del oído y de botones de drenaje.

Pince à préhension pour l'enlèvement de végétations otoscléreuses, s'utilisant aussi pour l'insertion de prothèses dans l'oreille interne et de boutons de drainage.

Pinza da presa e per togliere escrescenze otosclerotiche, usabile anche per l'innesto di drenaggi e protesi nell'orecchio interno.



62.49.90

Schutzhülse aus Teflon, passend für alle Ohrzängchen bis Schaftlänge 80 mm. Schützt Schaft und Maulteile während Einzelsterilisation, autoklavierbar.

Protection tube of Teflon, suitable for all ear forceps up to 80 mm (3⅛″) length of shaft. Protects shaft and jaws during individual sterilization of the instrument, autoclavable.

Vaina protectora de teflón apropiada para todas la pinzas auriculares hasta 80 mm de largo de vástago. Protege vástago y puntas durante su esterilización individual, autoclavable.

Gaine protectrice en téflon, s'adaptant à toutes les pinces auriculaires d'une longueur de tige allant jusqu'à 80 mm. Protège tige et mors pendant la stérilisation individuelle, autoclavable.

Tubo protettore in teflon, adatto per tutte le pinze auricolari con lunghezza dell'asta fino a 80 mm. Protegge asta e morsi durante la sterilizzazione singola, autoclavabile.





11,5 cm – 4½″

62.48.10

Lempert

Hammerkopfzange
Malleus forceps
Pinza para cabeza del martillo
Pince pour tête du marteau
Pinza per testa del martelletto



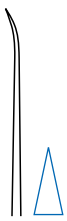




15 cm - 6″

63.06.01

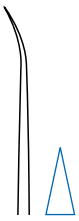
Barbara



15 cm - 6″

63.06.02

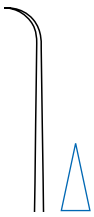
Barbara



15 cm - 6″

63.06.03

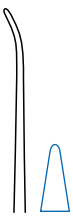
Barbara



15 cm - 6″

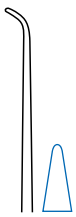
63.06.04

Rosen



15 cm - 6″

63.06.05



15 cm - 6″

63.06.06





15 cm - 6″

63.07.01

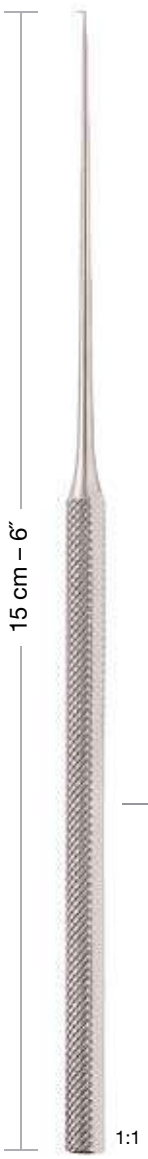


spitz
sharp
aguda
pointu
acuta



stumpf
blunt
romo
mousse
smusso

MICRO





0,3 mm	**63.06.13**
0,6 mm	**63.06.16**
1,0 mm	**63.06.20 Shambaugh**



0,3 mm	**63.06.33**
0,6 mm	**63.06.36**
1,0 mm	**63.06.40 Shambaugh**



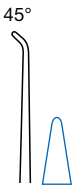
1,5 mm
63.06.07
Austin



1,5 mm
63.06.41

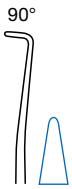


2,5 mm
63.06.43



2,0 mm
63.06.45
Shea

Sondierhaken
Oblique pick
Ganchito explorador
Crochet à exploration
Uncino per esplorazione



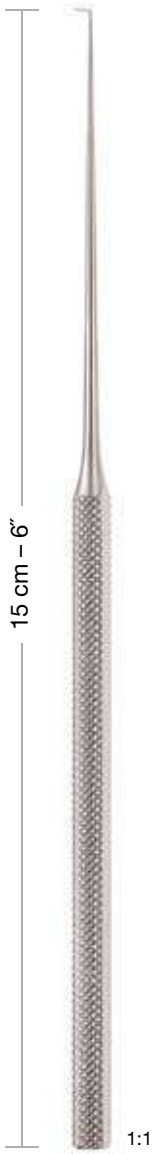
3,0 mm
63.06.49
Austin

Attikus-Dissektor
Attic dissector
Disector para el ático
Dissecteur pour l'attique
Dissettore per l'attico



stumpf
blunt
romo
mousse
smusso

MICRO



90°



0,3 mm	**63.06.53**
0,6 mm	**63.06.56**
0,8 mm	**63.06.58**
1,0 mm	**63.06.60 Shambaugh**
1,2 mm	**63.06.62**
1,5 mm	**63.06.65**

90°



2,0 mm	**63.06.70**
2,5 mm	**63.06.74**
3,0 mm	**63.06.76**
4,0 mm	**63.06.78**
5,0 mm	**63.06.79**



0,5 mm	**63.06.75**
1,0 mm	**63.06.80**



63.06.85

Goldmann

Häkchen zum Festhalten des Malleus
Retractor for malleus
Ganchito para sujetar el martillo
Crochet pour retenir le marteau
Uncino per sostenere il martello



63.06.90

Plester

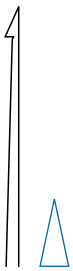
Zum Anrauhen der Trommelfellrückseite

For roughening the back of the tympanic membrane

Para cardar la parte posterior de la membrana de tímpano

Pour égratigner la partie postérieure du tympan

Per arruvidire la parte posteriore della membrana del timpano



63.06.95

Rosen

Fenestrierhaken für ovales Fenster

Fenestrator for oval windows

Ganchito para la fenestración para la ventana ovalado

Crochet à fenestration pour la fenêtre ovale

Uncino fenestrato per finestra ovale

MICRO

zum Anheben des Incus
for lifting the incus
para levantar el yunque
pour soulever l'enclume
per sollevare l'incudine



90°

63.07.72	0,6 mm	**Antoli-Candela**
63.07.92	1,0 mm	

nach rechts abgewinkelt
right angled
acodada a la derecha
coudé à droite
angolato a destra

90°

63.07.73	0,6 mm	**Antoli-Candela**
63.07.93	1,0 mm	

nach links abgewinkelt
left angled
acodada a la izquierda
coudé à gauche
angolato a sinistra

Fußplattenhäkchen
Footplate hooks
Ganchitos para la platina estapediense
Crochets pour la platine de l'étrier
Uncini per la platina dello stapes

15 cm – 6″





63.07.75	0,5 mm	
63.07.80	1,0 mm	

nach oben gebogen
curved upwards
curva hacía arriba
courbe en haut
curvo in alto



63.07.85	0,5 mm	
63.07.90	1,0 mm	

nach unten gebogen
curved downwards
curva hacía abajo
courbe en bas
curvo in giù

McGee

15 cm – 6″

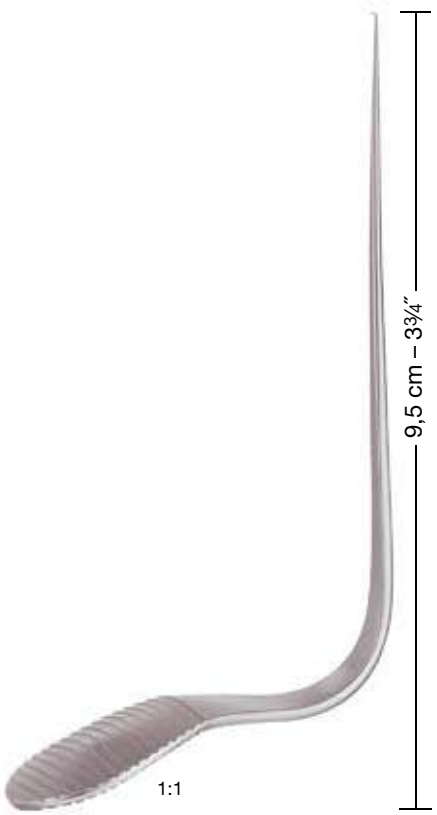






0,2 mm	0,6 mm
63.08.02	**63.08.06**
Fisch	**Plester**

MICRO

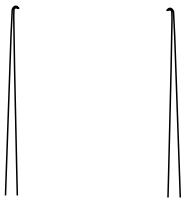


Zöllner



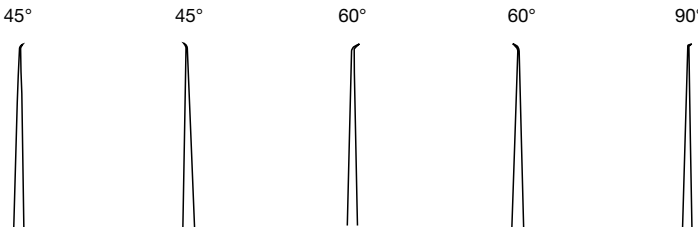
Nadel
Needle
Aguja
Aiguille
Ago

63.17.01



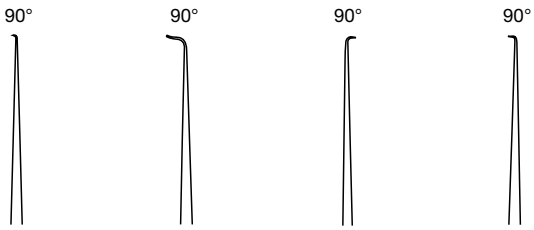
Fussplattenhäkchen
Footplate hooks
Ganchitos para la platina estapediense
Crochets pour la platine de l'étrier
Uncini per la platina dello stapes

63.17.24 **63.17.25**



Häkchen
Hooks
Ganchitos
Crochets
Uncini

0,5 mm	0,5 mm	1,0 mm	1,0 mm	0,5 mm
63.17.05	**63.17.06**	**63.17.10**	**63.17.11**	**63.17.15**

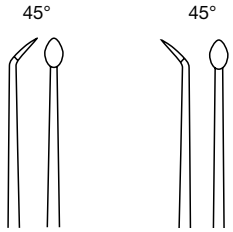


Häkchen
Hooks
Ganchitos
Crochets
Uncini

0,5 mm	2,5 mm	1,0 mm	1,0 mm
63.17.16	**63.17.18**	**63.17.20**	**63.17.21**

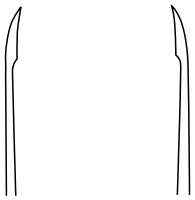
Medicon Instrumente
the art of surgery

MICRO



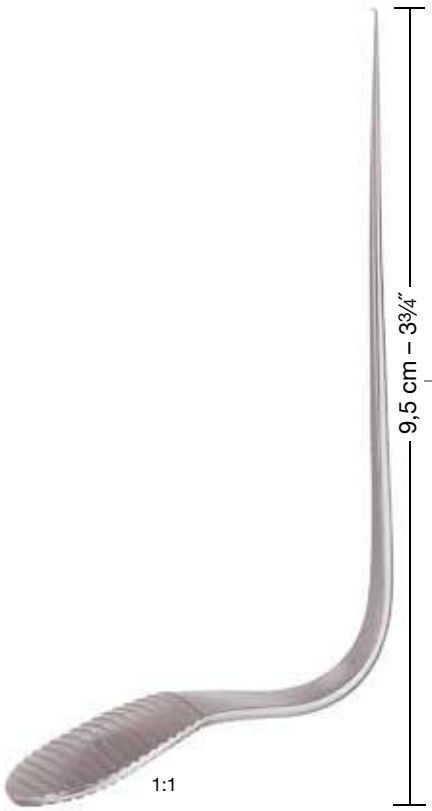
Messer
Knives
Cuchillos
Couteaux
Coltelli

63.17.31 **63.17.32**

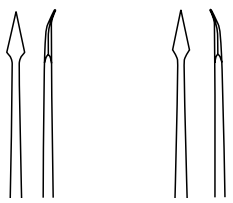


Sichelmesser
Sickle knives
Cuchillos en forma de hoz
Couteaux en forme de serpette
Coltelli falciforme

63.17.35 **63.17.36**

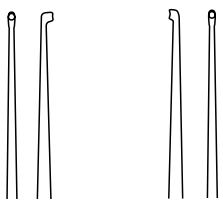


Zöllner



Lanzetten
Lancets
Lancetas
Couteaux lanceol
Lancette

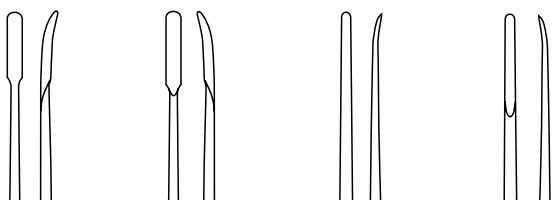
63.17.43 **63.17.44**



Küretten
Curettes
Curetas
Curettes
Curette

0,8 mm 0,8 mm

63.17.51 **63.17.52**



Raspatorien
Raspatories
Legras
Rugines
Periostotomi

2,0 mm 2,0 mm 1,2 mm 1,2 mm

63.17.61 **63.17.62** **63.17.64** **63.17.65**

MICRO



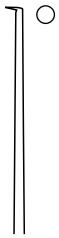
45°



Inzisionsmesser
Incision knives
Cuchillos para incisiones
Couteaux à incision
Coltelli per incisione

1,0 mm	**63.08.10**
1,5 mm	**63.08.15**
2,0 mm	**63.08.20**
2,3 mm	**63.08.23**
2,5 mm	**63.08.25**
3,0 mm	**63.08.28**
3,5 mm	**63.08.29**

90°

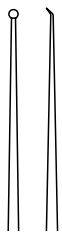


Rundschnittmesser
Circular cutting knives
Cuchillos redondos
Couteaux à forme ronde
Coltelli a taglio rotondo

1,0 mm	**63.08.30**
1,5 mm	**63.08.35**
2,0 mm	**63.08.40**
2,3 mm	**63.08.43**
2,5 mm	**63.08.45**

Antoli-Candela

30°



Ø 1,0 mm

63.09.01

House

Rundmesser zum Lösen
der Incus-Stapes-Verbindung

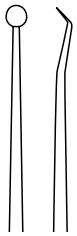
Round knife for separation
of Incudo-Stapedial joint

Cuchillo redondo para separar
la conexión entre el yunque y el estribo

Couteau rond pour séparer
la connexion entre l'enclume et l'étrier

Coltello rotondo per la separazione
della connessione tra Incus-Stapes

45°



Ø 3,0 mm

63.09.03

Goldmann

Inzisionsmesser und Raspatorium
für die Gehörgangwand

Knife and raspatory
for auditory meatus wall

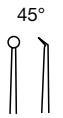
Cuchillo para incisiones y legra
para la pared del conducto auditivo

Couteau à incision et rugine
pour la paroi du conduit auditif

Coltello d'incisione e periostotomo
per il condotto uditivo

MICRO





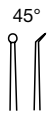
Ø 1,5 mm

63.09.06

Rosen

Separiermesser
Knife-Curette
Cuchillo separador
Couteau-séparateur
Coltello separazione





Ø 1,0 mm

63.09.11

Antoli-Candela

Rundmesser zum Lösen
der Incus-Stapes-Verbindung

Round knife for separation
of Incudo-Stapedial joint

Cuchillo redondo para separar
la conexión entre el yunque y el estribo

Couteau rond pour séparer
la connexion entre l'enclume et l'étrier

Coltello rotondo per la separazione
della connessione tra Incus-Stapes







Ø 2,0 mm

63.09.22

Austin

Ø 3,0 mm

63.09.25

Gerlach

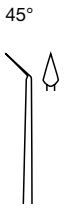
Rundmesser für Inzisionen
im äußeren Gehörgang

Round knives for incision
of external auditory canal

Cuchillos redondos para incisiones
en el conducto auditivo externo

Couteaux ronds pour incisions
dans le conduit auditif externe

Coltelli rotondi per incisione
nel condotto uditivo esterno

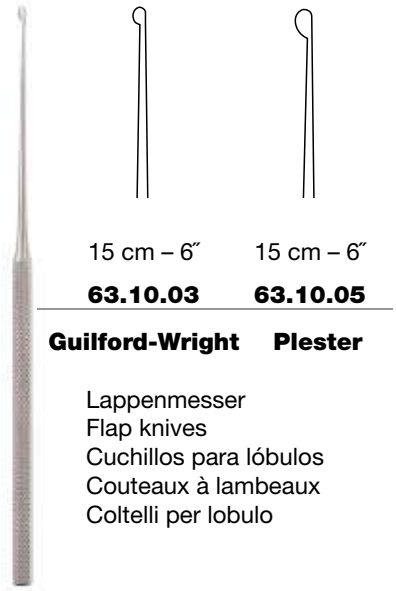


63.09.53

Rosen

Inzisionsmesser
Incision knife
Cuchillo para incisiones
Couteau à incision
Coltello per incisione





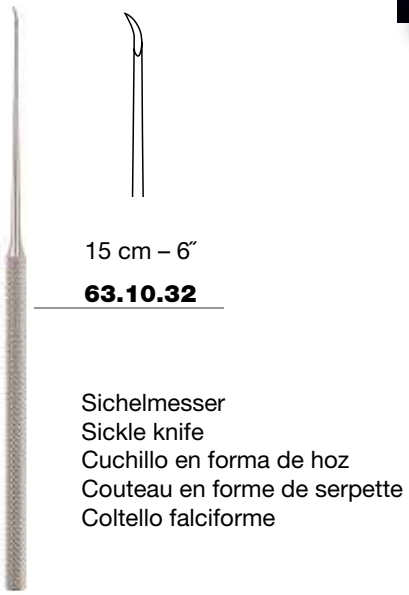
15 cm – 6″ | 15 cm – 6″

63.10.03 | **63.10.05**

Guilford-Wright | **Plester**

Lappenmesser
Flap knives
Cuchillos para lóbulos
Couteaux à lambeaux
Coltelli per lobulo

3,0 × 1,0 mm



15 cm – 6″

63.10.32

Austin

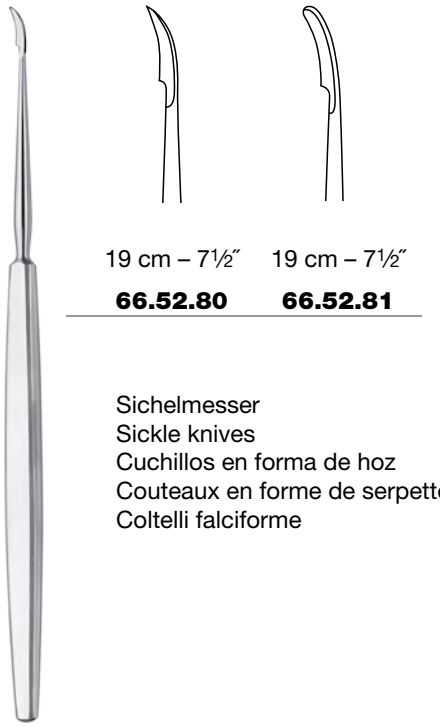
Sichelmesser
Sickle knife
Cuchillo en forma de hoz
Couteau en forme de serpette
Coltello falciforme



15 cm – 6″

63.10.35

Diszisionsmesser für die Fußplatte
Discission knife for the footplate
Cuchillo de discision para la platina estapediense
Couteau à discision pour la platine de l'étrier
Coltello da discissione per la platina dello stapes

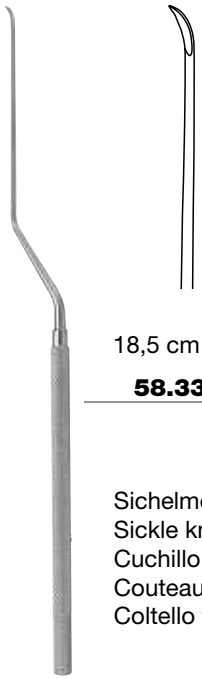


19 cm – 7½″ | 19 cm – 7½″

66.52.80 | **66.52.81**

Sichelmesser
Sickle knives
Cuchillos en forma de hoz
Couteaux en forme de serpette
Coltelli falciforme



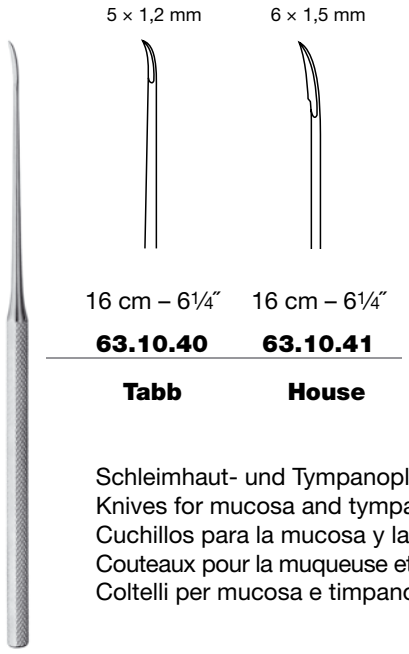


18,5 cm – 7¼″

58.33.01

Sichelmesser
Sickle knife
Cuchillo en forma de hoz
Couteau en forme de serpette
Coltello falciforme

Koos

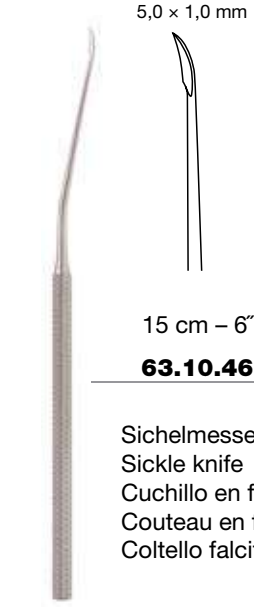


16 cm – 6¼″ | 16 cm – 6¼″

63.10.40 | **63.10.41**

Tabb | **House**

Schleimhaut- und Tympanoplastikmesser
Knives for mucosa and tympanoplasty
Cuchillos para la mucosa y la timpanoplastía
Couteaux pour la muqueuse et la tympanoplastie
Coltelli per mucosa e timpanoplastica



15 cm – 6″

63.10.46

Sichelmesser
Sickle knife
Cuchillo en forma de hoz
Couteau en forme de serpette
Coltello falciforme

Schuknecht



63.10.99

Schleifstein
Grinding stone
Piedra afiladora
Pierre à repasser
Pietra per affilare

MICRO



1,8 mm

15 cm – 6″

63.11.02

Raspatorium zum Ablösen von weichem Gewebe

Raspatory for dissection of soft tissue

Legra para liberar tejidos blandos

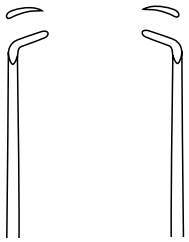
Rugine pour décoller des tissus mous

Periostotomo per staccare tessuto morbido

Antoli-Candela



R L



15 cm – 6″ 15 cm – 6″

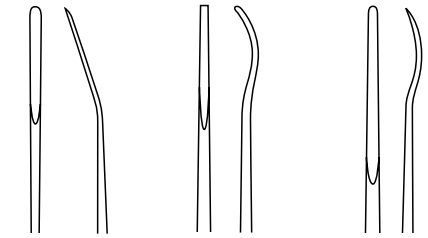
63.11.50 **63.11.51**

Raspatorien für das ovale Fenster, kräftig
Raspatories for oval window, heavy pattern
Legras para la ventana oval, modelo fuerte
Rugines pour la fenêtre ovale, modèle robuste
Periostotomi per la finestra ovale, modello robusti

Hough



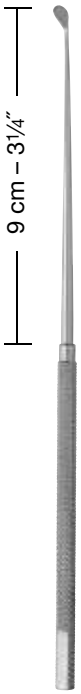
15 × 1,5 mm 15 × 1,0 mm 15 × 1,2 mm



15 cm – 6″ 15 cm – 6″ 15 cm – 6″

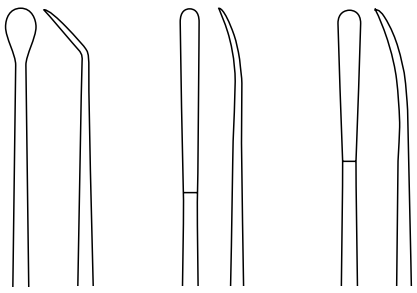
63.11.15 **63.11.21** **63.11.22**

Rosen



9 cm – 3¼″

4,0 mm 2,5 mm 3,0 mm



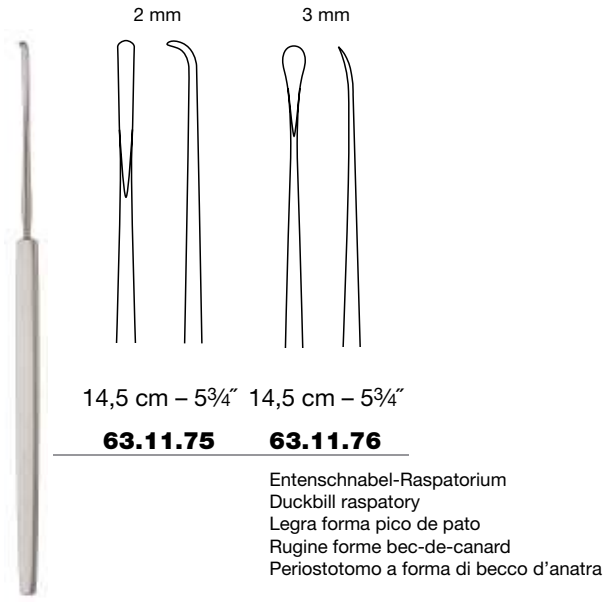
18,5 cm – 7¼″ 18,5 cm – 7¼″ 18,5 cm – 7¼″

58.30.16 **58.30.17** **58.30.18**

Yasargil

R rechts right derecho droit destro

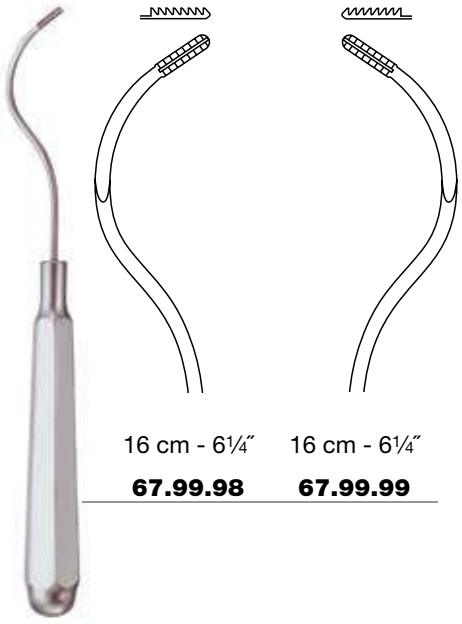
L links left izierdo gauche sinistro



14,5 cm – 5¾″	14,5 cm – 5¾″
63.11.75	**63.11.76**

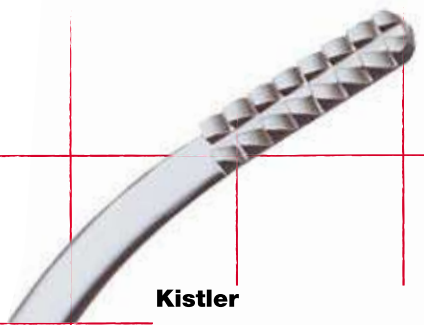
Entenschnabel-Raspatorium
Duckbill raspatory
Legra forma pico de pato
Rugine forme bec-de-canard
Periostotomo a forma di becco d'anatra

Shambaugh-Derlacki



16 cm - 6¼″	16 cm - 6¼″
67.99.98	**67.99.99**

Kistler





Kistler

Die Zahnung (Abstand = 1 mm) ist auf Zugwirkung angeordnet. Eine Längsriefung (0,5 mm) teilt diese in zwei parallel stehende Zahnreihen. Die Knorpelhaut wird dadurch ausreichend eingeritzt.

The toothing (1 mm interval) is designed to exert a traction force. A longitudinal channel (0.5 mm) divides it into two parallel rows of teeth. This ensures that the perichondrium is sufficiently scratched.

El dentado (distancia = 1 mm) está dispuesto sobre un efecto tractor. Un estriado longitudinal (0,5 mm) lo divide en dos filas dentadas paralelas. El pericondrio se entalla de este modo suficientemente.

La denture (écart 1 mm) est disposée de manière à inciser lorsqu'une traction est exercée sur l'instrument. Une rainure longitudinale (0,5 mm) sépare la denture en deux dentures parallèles, ce qui permet d'entailler la peau qui recouvre le cartilage.

La dentellatura (distanza = 1 mm) è predisposta per la trazione. Una scanalatura longitudinale (0,5 mm) la divide in due righe di denti paralleli. Ciò consente di incidere a sufficienza la cartilagine.

MICRO



2,5 mm



15 cm – 6″

63.11.03

Elevatorium und Dissektions-messer für weiches Gewebe

Elevator and dissecting knife for soft tissues

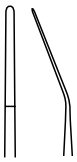
Elevador y disecador para tejidos blandos

Elévateur et dissecteur pour les tissus mous

Elevatore e dissettore per tessuto morbido

Goldmann

1 mm



15 cm – 6″

63.11.11

Stapes-Elevatorium
Stapes elevator
Elevador estapediense
Elévateur stapédien
Elevatore per lo stapes



House

1 mm



23 cm – 9″

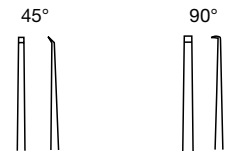
58.32.21

Dissektor
Dissector
Disector
Dissecteur
Dissettore



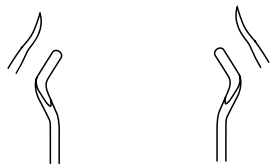
MICRO





0,5 mm	0,8 mm
63.11.40	**63.11.41**
Austin	**House**

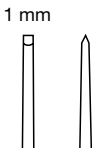




15 cm – 6″	15 cm – 6″
63.11.54	**63.11.55**

Austin





15 cm – 6″

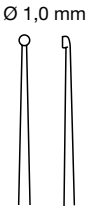
63.11.65

Austin

R rechts / right / derecho / droit / destro
L links / left / izierdo / gauche / sinistro







15 cm – 6″ | 15 cm – 6″ | 15 cm – 6″

63.12.10 | **63.12.15** | **63.12.27**

Guilford-Wright | **Rosen**





17 cm – 6¾″

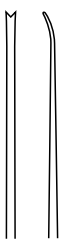
63.14.10

Hough

Tiefenmesssonde mit Markierungen bei:
Measuring rod, marks at:
Sonda para medir, graduada a:
Sonde de profondeur, marquées à:
Sonda per misurazione con marcature a:

3,5 - 4,0 - 4,5 mm





15 cm – 6″

63.14.33

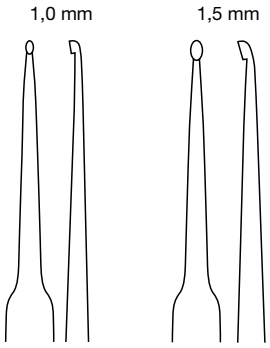
Einführungsgabel für Stapes-Prothesen
Wire guide and applicator for stapedial prostheses
Horquilla para introducir prótesis estapedienses
Fourchette pour introduire des prothèses de l'étrier
Forchetta per introdurre protesi di stapes

MICRO



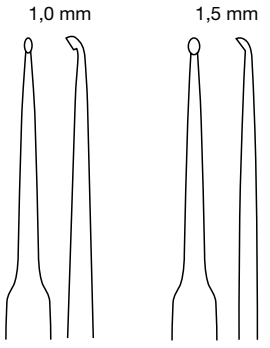
1:1

House



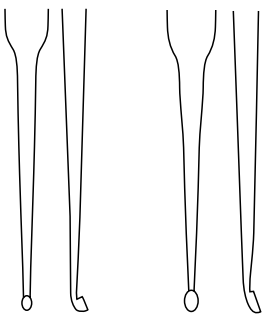
15 cm – 6″ | 15 cm – 6″

63.12.70 | **63.12.75**



15 cm – 6″ | 15 cm – 6″

63.12.80 | **63.12.85**



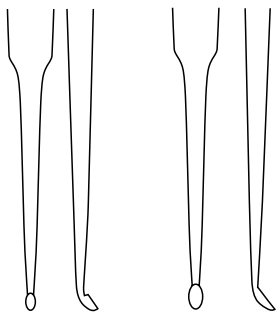
Scharfe Doppellöffel für die Stapedektomie, Arbeitsteil leicht nach vorne abgewinkelt

Double-ended sharp curettes for stapedectomy, cups slightly angled forward

Cucharillas doble para la estapedectomia, partes de trabajo ligeramente acodadas hacía delante

Curettes double pour la stapédectomie, parties opérantes légèrement coudées en avant

Cuchiai doppio tagliente per la stapdectomia, parte lavorativa leggermente angolata in avanti



Scharfe Doppellöffel für die Stapedektomie, Arbeitsteil stark nach vorne abgewinkelt

Double-ended sharp curettes for stapedectomy, cups strongly angled forward

Cucharillas doble para la estapedectomia, partes de trabajo fuertemente acodadas hacía delante

Curettes double pour la stapédectomie, parties opérantes fortement coudées en avant

Cuchiai doppio tagliente per la stapdectomia, parte lavorativa fortemente angolata in avanti

MICRO

Ø 1 mm



15 cm – 6″

63.65.90

Hand-Perforationsbohrer
Trokarspitze

Hand perforator
Trocar point

Perforador de mano
Punta de trocar

Perforateur à main
Pointe trocart

Perforatore a mano
Punta a trequarti

Larkin

Ø 0,8 mm



15 cm – 6″

63.65.92

Hand-Penetrator
Hand penetrator
Broca de mano
Foret à main
Penetratore a mano

Larkin

Ø 0,8 mm

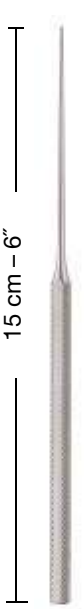


15 cm – 6″

63.65.94

Hand-Trephine
Hand trephine
Trefina de mano
Tréphine à main
Trefina a mano

Larkin



Ø	
0,3 mm	**63.65.73**
0,4 mm	**63.65.74**
0,5 mm	**63.65.75**
0,6 mm	**63.65.76**
0,7 mm	**63.65.77**
0,8 mm	**63.65.78**

Perforatoren
Perforators
Perforadores
Perforateurs
Perforatori

Fisch





1:1

63.89.50

Meß- und Schneidblock für Teflon-Prothesen zum Kürzen der Teflonschäfte auf Längen zwischen 2,75 mm und 4,75 mm in 0,25 mm Abständen, mit 2 Reihen Löchern für Prothesen mit 0,6 mm und 0,8 mm Schaft-Ø, aus rostfreiem Stahl. Der Schaft der zu kürzenden Teflon-Prothese wird in das Loch der gewünschten Länge eingesetzt und das dann an der Unterseite des Meßblocks überstehende Teil abgeschnitten.

Measuring and cutting block for precise cutting of teflon prostheses to lengths between 2,75 mm and 4,75 mm in 0,25 mm distances, made of stainless steel, with 2 rows of holes for prostheses with a shaft diam. of 0,6 mm and 0,8 mm. The shaft of the piston to be shortened is inserted in the hole of the required length, and the overlapping piece at the bottom is cut off.

Bloque para medir y cortar prótesis de teflón, para acortar los vástagos de teflón al largo entre 2,75 mm y 4,75 mm a intervalos de 0,25 mm con 2 filas de aperturas para prótesis con vástagos del Ø de 0,6 mm y 0,8 mm, de acero inoxidable. Introducir el vástago de la prótesis que debe ser acortada en la apertura del largo deseado y cortar la parte sobresaliente al lado inferior del bloque.

Bloc pour mesurer et couper des prothèses en téflon, pour raccourcir les tiges en téflon à la longueur entre 2,75 mm et 4,75 mm, distances de 0,25 mm, avec 2 rangs d'orifices pour prothèses avec tiges d'un diamètre de 0,6 mm et 0,8 mm. En acier inoxydable. Insérer la tige de la prothèse à raccourcir dans l'orifice pour la longueur désirée et couper la partie saillante au bas du bloc.

Blocco per misurare e tagliare le protesi in teflon, per accorciare le aste teflon su lunghezze tra 2,75 e 4,75 mm in distanze di 0,25 mm, con 2 file di fori per protesi con diamentro d'asta di 0,6 mm e 0,8 mm, in acciaio inossidabile. L'asta della protesi in teflon che deve essere accorciata, viene inserita nel foro della misura desiderata ed il pezzo sporgente alla parte inferiore del blocco viene tagliato.



Schuknecht modif.

63.89.75

Biegegerät zum Formen von Stapes-Drahtprothesen, 90°,
mit Millimeter-Einteilung, aus rostfreiem Stahl.

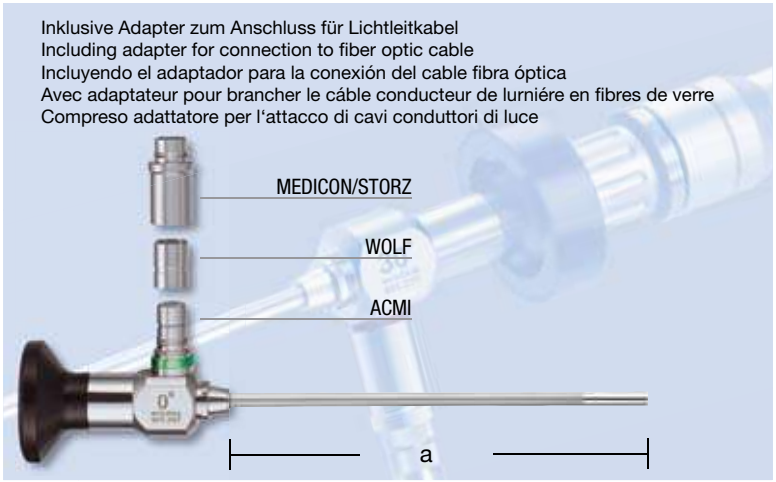
Bending device for stapedial wire prostheses, 90°, scale graduated
in millimetres, stainless steel.

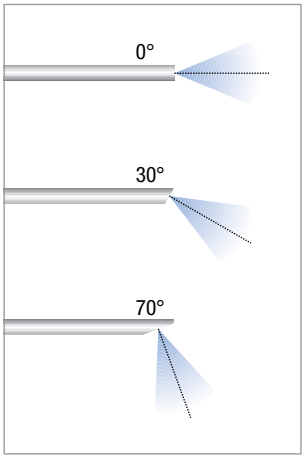
Dispositivo para modelar, para formar prótesis estapedienses de hilo,
con placa 90°, graduación en mm, de acero inoxidable.

Dispositif pour modeler les prothèses stapédiennes en fil, 90°,
gradué en millimètres, en acier inoxydable.

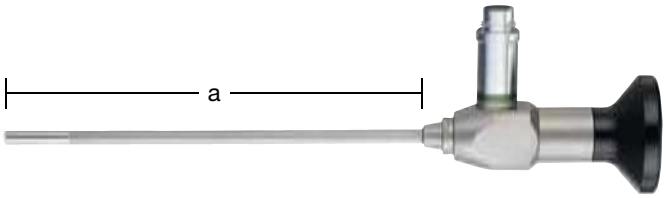
Dispositivo per piegare le protesi di stapes in filo d'acciaio, 90°,
con graduazione in millimetri, in acciaio inossidabile.

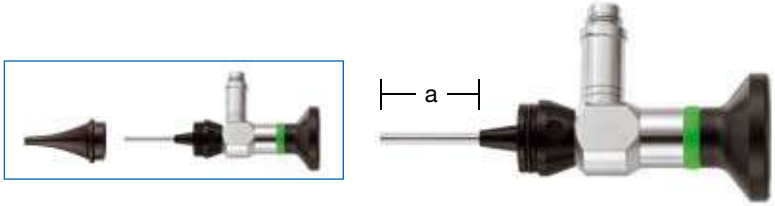
Inklusive Adapter zum Anschluss für Lichtleitkabel
Including adapter for connection to fiber optic cable
Incluyendo el adaptador para la conexión del cable fibra óptica
Avec adaptateur pour brancher le câble conducteur de lurniére en fibres de verre
Compreso adattatore per l'attacco di cavi conduttori di luce





a			
41 mm	**66.69.20**	Ø 2,7 mm	0°
41 mm	**66.69.23**	Ø 2,7 mm	30°
41 mm	**66.69.27**	Ø 2,7 mm	70°
50 mm	**66.69.30**	Ø 4,0 mm	0°
50 mm	**66.69.33**	Ø 4,0 mm	30°
50 mm	**66.69.37**	Ø 4,0 mm	70°
110 mm	**66.70.10**	Ø 2,7 mm	0°
110 mm	**66.70.13**	Ø 2,7 mm	30°
110 mm	**66.70.17**	Ø 2,7 mm	70°





25 mm	**66.69.00**	Ø 2,7 mm	0°

Otoskop mit Adapter für Ohrspekulum 66.69.01 und mit Bohrung für das Gummiballgebläse

Otoscope with adapter for ear specula 66.69.01 and with perforation for the rubber air-bulb

Otoscopio con adaptador para espéculo auricular 66.69.01 y con perforación para pera de goma

Otoscope avec adapteur pour spéculum auriculaire 66.69.01 et avec forage pour la poire en caoutchouc

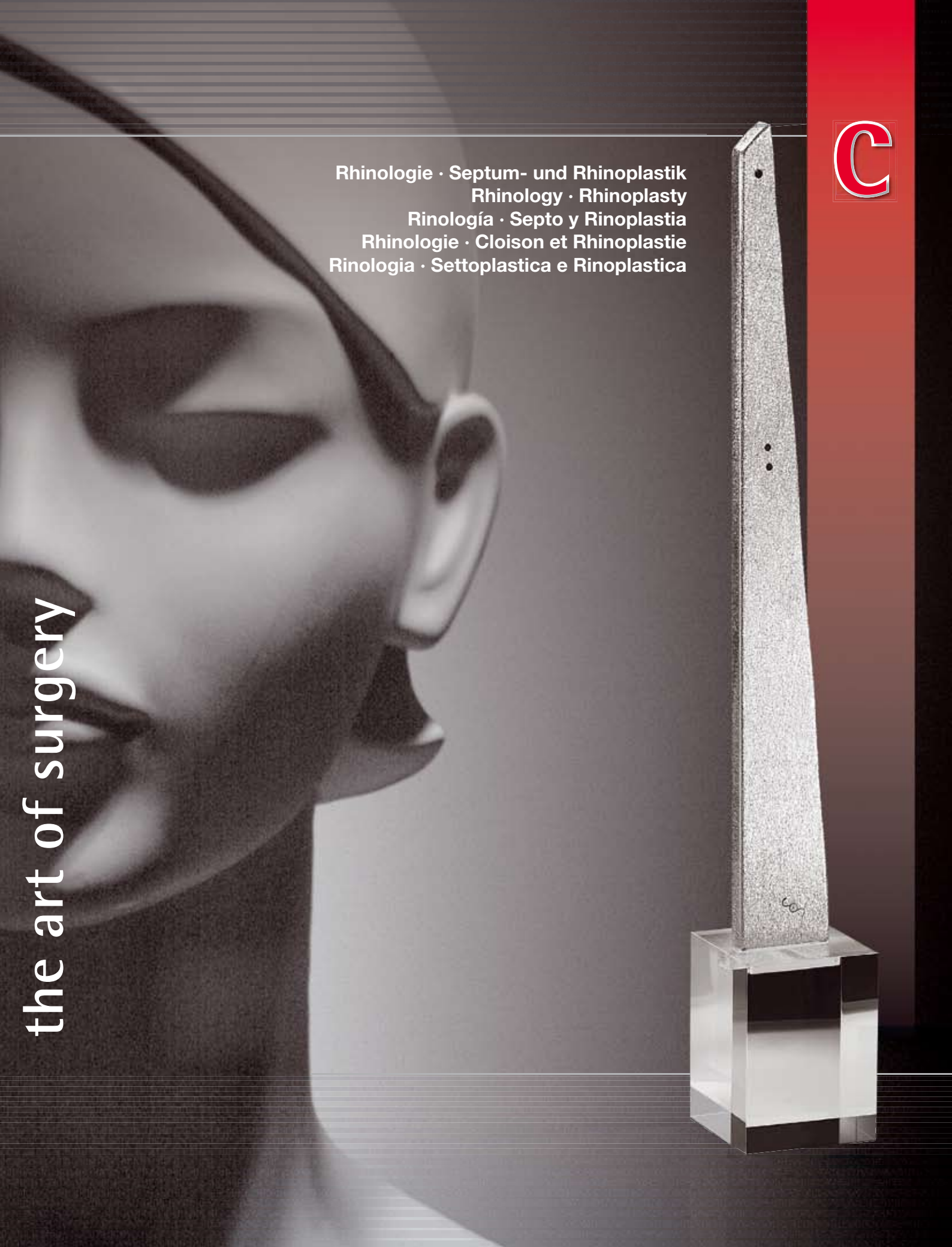
Otoscopio con adattatore per specolo auricolare 66.69.01 e con perforazione per pera di gomma



66.69.01

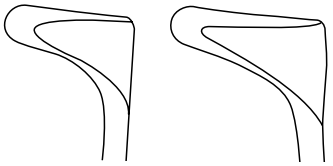
Ohrspekulum für 66.69.00
Ear speculum for 66.69.00
Espéculo auriculare para 66.69.00
Spéculum auricular pour 66.69.00
Specolo auricolare per 66.69.00

Antibeschlagmittel siehe Seite 215
Antifog solution please see page 215
Liquido antiempaño vea la página 215
Moyen anti-embuant voir page 215
Detersivo antiappannamento vedi pagina 215



Rhinologie · Septum- und Rhinoplastik
Rhinology · Rhinoplasty
Rinología · Septo y Rinoplastia
Rhinologie · Cloison et Rhinoplastie
Rinologia · Settoplastica e Rinoplastica

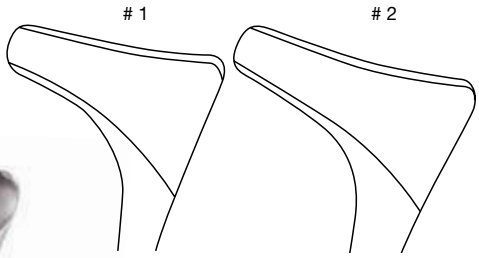




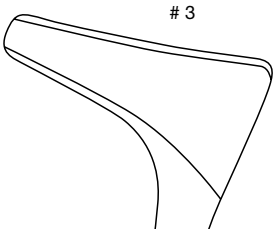
13,5 cm – 5⅜″	13,5 cm – 5⅜″
66.01.10	**66.01.11**
für Säuglinge for babies para lactantes pour nourrissons per neonati	für Kleinkinder for infants para niños pequeños pour petits enfants per bambini

Tieck-Halle





15 cm – 6″	15 cm – 6″
66.02.01	**66.02.02**

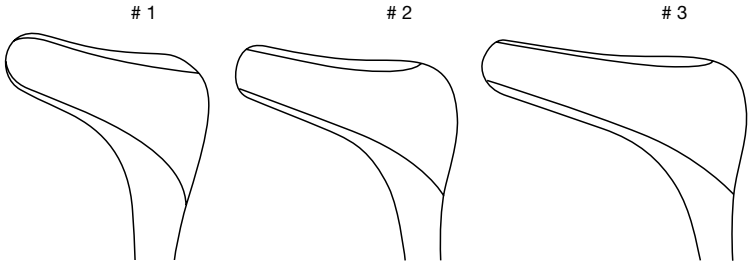


15 cm – 6″

66.02.03

Hartmann





15 cm – 6″	15 cm – 6″	15 cm – 6″
66.03.01	**66.03.02**	**66.03.03**
66.03.51*	**66.03.52***	**66.03.53***

Hartmann-Halle



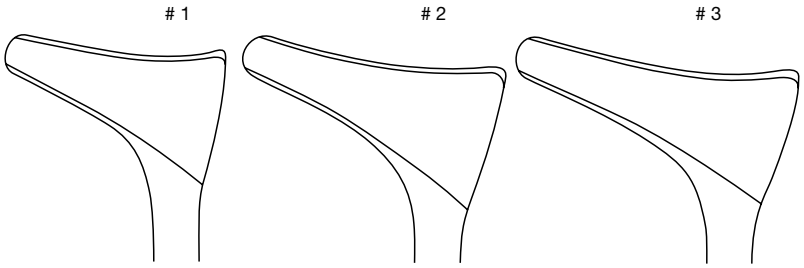
* aseptischer Verschluss (zerlegbar)
aseptic lock (dismantable)
articulación aséptica (desmontable)
articulation aseptique (démontable)
articolazione asettica (smontabile)

Hartmann-Halle

medicon instrumente
the art of surgery



Mod. Wien

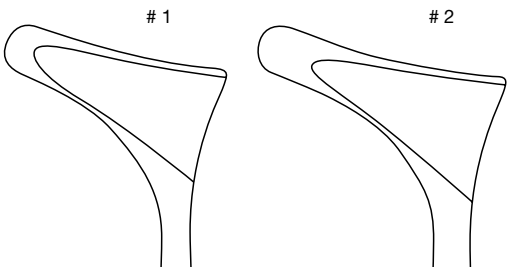


14 cm – 5½″	14 cm – 5½″	14 cm – 5½″
66.05.01	**66.05.02**	**66.05.03**

Standardmodell
Standard pattern
Modelo estándar
Modèle standard
Modello standard



Mod. Wien

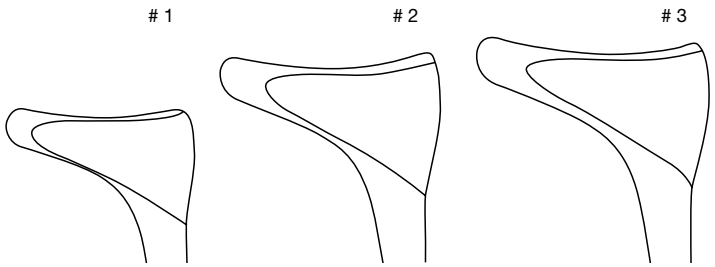


13 cm – 5⅛″	13 cm – 5⅛″
66.05.31	**66.05.32**

leichtes Modell
light pattern
modelo ligero
modèle léger
modello leggero



Mod. Wien



14 cm – 5½″	14 cm – 5½″	14 cm – 5½″
66.05.51	**66.05.52**	**66.05.53**

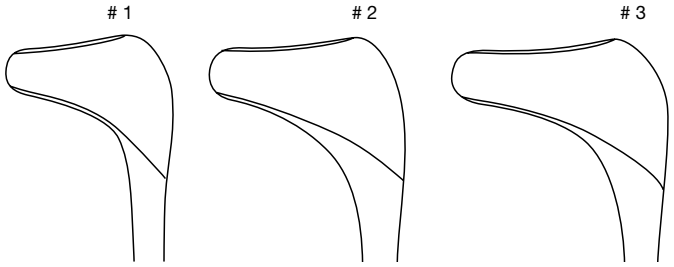


14 cm – 5½″
66.05.92

Einfachmodell
Simplified pattern
Modelo simplificado
Modèle simplifié
Modello semplice



Beckmann



15 cm – 6″	15 cm – 6″	15 cm – 6″
66.07.01	**66.07.02**	**66.07.03**



13 cm – 5⅛″

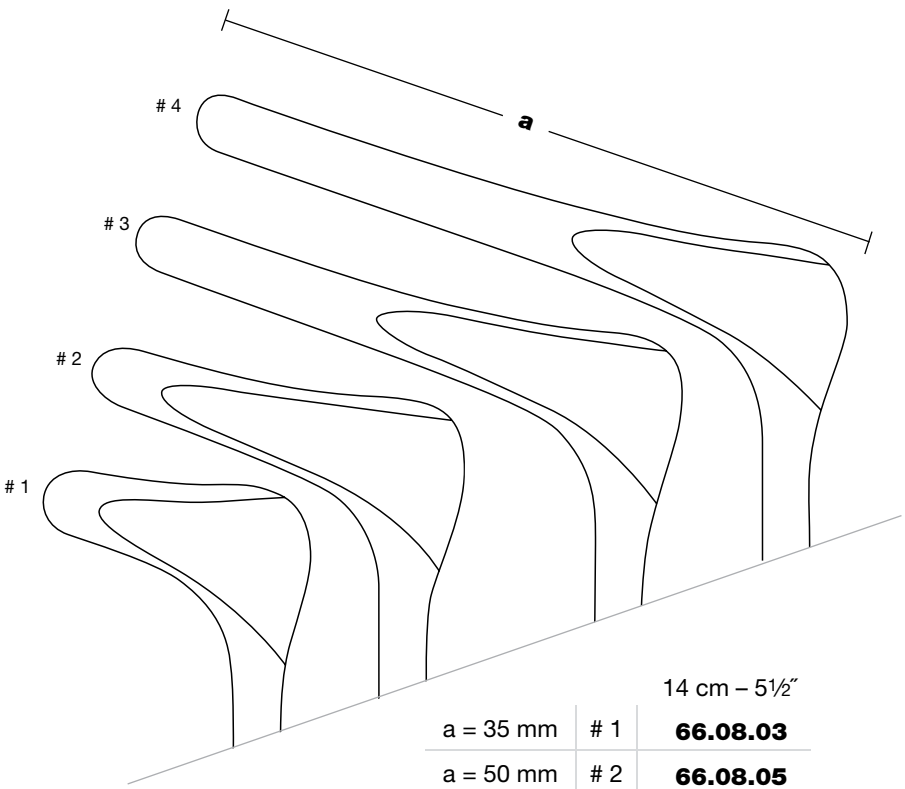
66.07.00

für Kleinkinder
for infants
para niños
pour petits enfants
per bambini

Beckmann



Killian

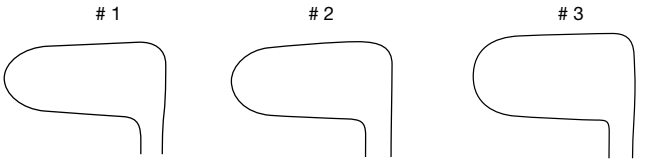


		14 cm – 5½″
a = 35 mm	# 1	**66.08.03**
a = 50 mm	# 2	**66.08.05**
a = 75 mm	# 3	**66.08.07**
a = 90 mm	# 4	**66.08.09**

Medicon Instrumente
the art of surgery



Thudichum (Goldsmith)

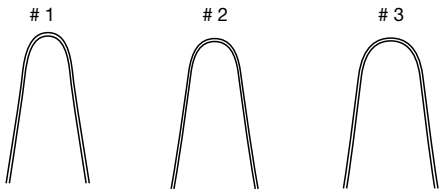


selbsthaltend
self-retaining
autoestático
autostatique
autostatico

6,5 cm – 2½″	6,5 cm – 2½″	6,5 cm – 2½″
66.09.01	**66.09.02**	**66.09.03**



Voltolini (Duplay)



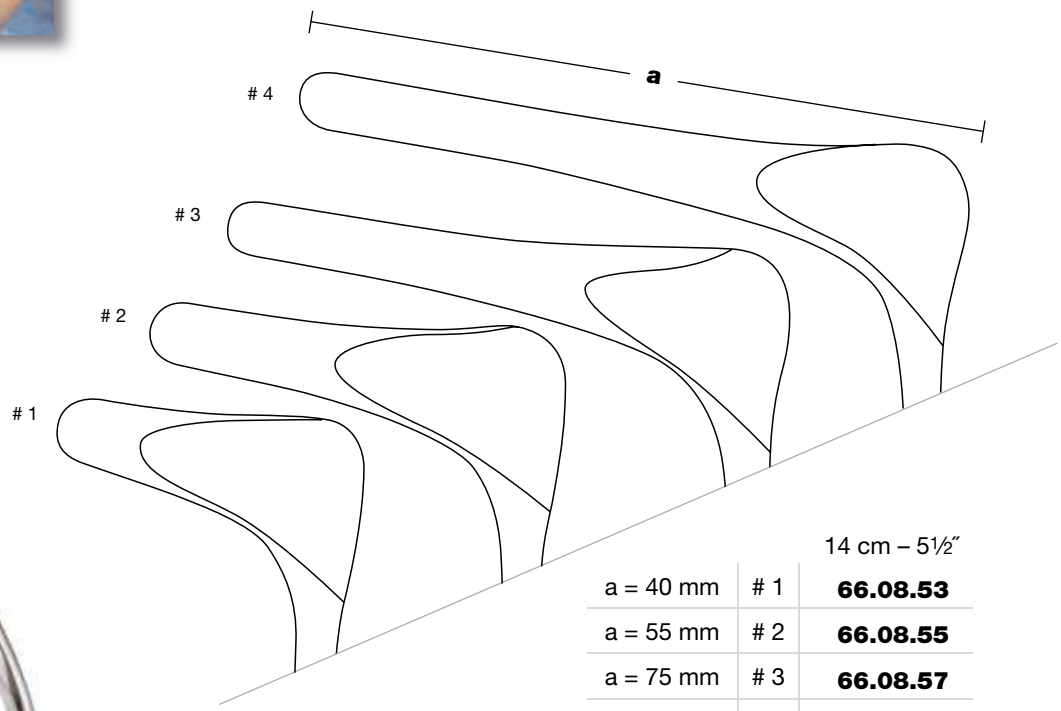
7,5 cm – 3″	7,5 cm – 3″	7,5 cm – 3″
66.09.41	**66.09.42**	**66.09.43**

selbsthaltend, Spreizung durch Stellschraube einstellbar
self-retaining, spread adjustable by set screw
autoestático, apertura regulable mediante tornillo de ajuste
autostatique, écartement réglable à l'aide d'une vis d'ajustage
autostatico, apertura regolabile mediante vite





Killian

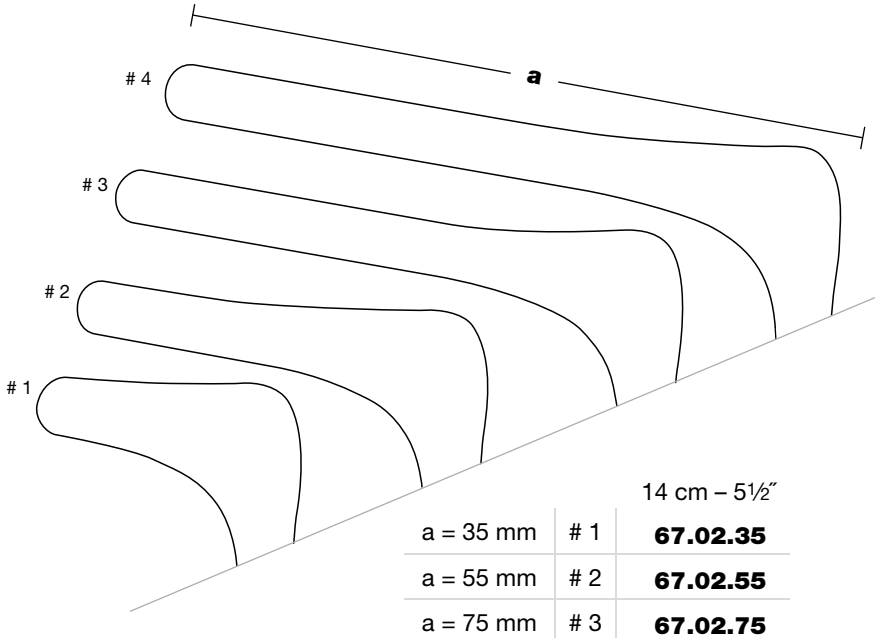


		14 cm – 5½″
a = 40 mm	# 1	**66.08.53**
a = 55 mm	# 2	**66.08.55**
a = 75 mm	# 3	**66.08.57**
a = 90 mm	# 4	**66.08.59**

aseptischer Verschluss (zerlegbar)
aseptic lock (dismantable)
articulación aséptica (desmontable)
articulation aseptique (démontable)
articolazione asettica (smontabile)



Cottle



14 cm – 5½″

a = 35 mm	# 1	**67.02.35**
a = 55 mm	# 2	**67.02.55**
a = 75 mm	# 3	**67.02.75**
a = 90 mm	# 4	**67.02.90**



Cottle

14 cm – 5½″

67.03.50

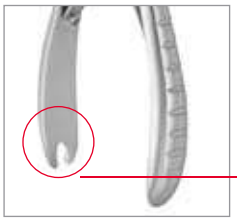
Nasenseptumspekulum
Nasal septum speculum
Espéculo para el septo nasal
Spéculum pour la cloison nasale
Specolo per il setto nasale



Cottle

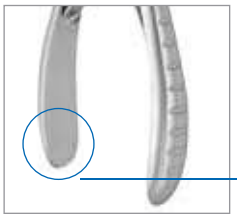
13 cm – 5⅛″

67.03.52



❶

mit Aufnahme für Leyla Spannarm 57.59.10
with connector for Leyla holding arm 57.59.10
con adaptador para Leyla brazo tensor 57.59.10
avec adaptateur pour Leyla bras tendeur 57.59.10
con adattatore per Leyla braccio tenditore 57.59.10

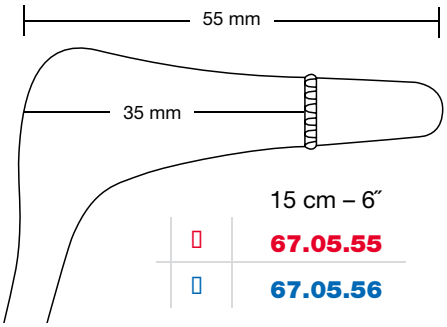


❷

ohne Aufnahme für Haltearm 66.10.20
without connector for holding arm 66.10.20
sin adaptador para brazo de soporte 66.10.20
sans adaptateur pour bras de support 66.10.20
senza adattatore per braccio di supporto 66.10.20

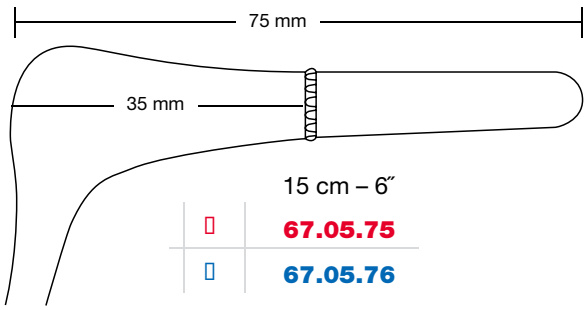


Killian



15 cm – 6″

❶	**67.05.55**
❷	**67.05.56**

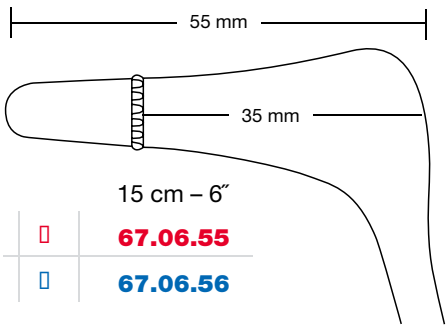


15 cm – 6″

❶	**67.05.75**
❷	**67.05.76**

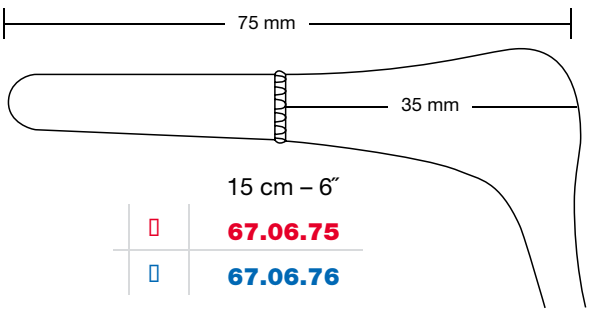


Killian



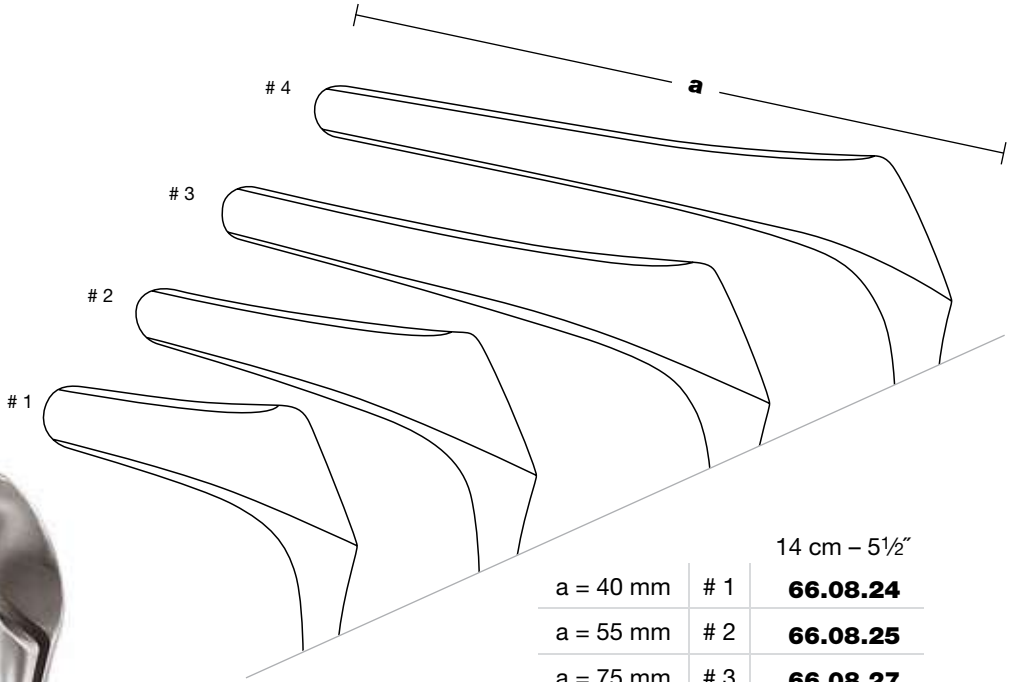
15 cm – 6″

❶	**67.06.55**
❷	**67.06.56**



15 cm – 6″

❶	**67.06.75**
❷	**67.06.76**





Struycken

14 cm – 5½″

a = 40 mm	# 1	**66.08.24**
a = 55 mm	# 2	**66.08.25**
a = 75 mm	# 3	**66.08.27**
a = 90 mm	# 4	**66.08.29**

- mit Rastersperre
- selbsthaltend
- einhändig bedienbar

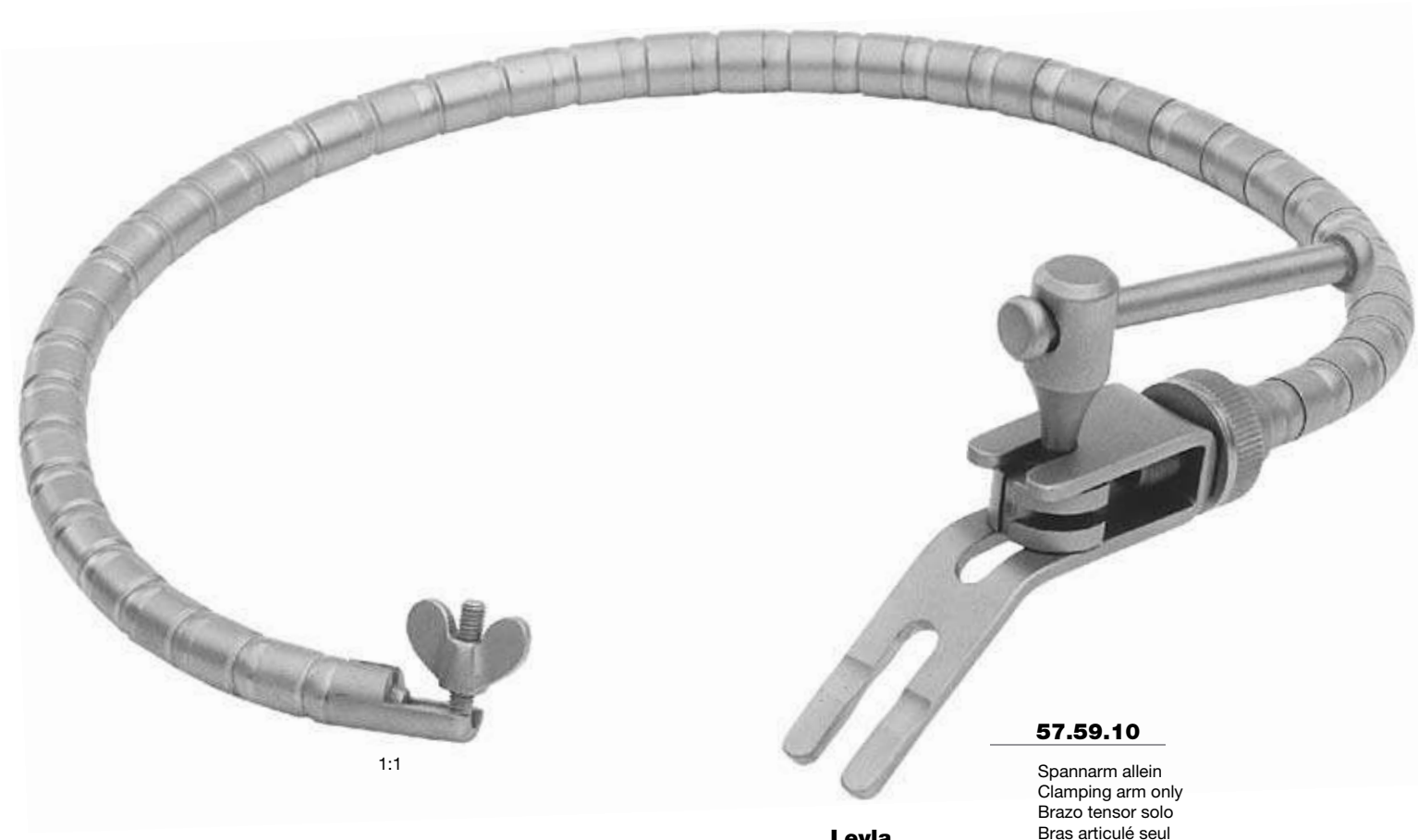
- with ratchet
- self-retaining
- one-hand operation

- con cremallera
- autoestático
- manejable con una sola mano

- crémaillère crantée
- auto-entretien
- prise à une seule main

- con cremagliera
- autostatico
- maneggiabile con una mano sola

zur Befestigung am Kopfbügel oder der Stange des Operationstisches
for fixation to the head bow or the bar of the operating table
para fijar al estribo de cabeza o a barra de la mesa operatoria
pour fixation au ressort de tête ou à la barre de la table d'opération
per il fissaggio al poggiatesta o alla barra del tavolo operatorio.



1:1

Leyla

57.59.10

Spannarm allein
Clamping arm only
Brazo tensor solo
Bras articulé seul
Braccio di fissaggio solo



57.59.26

Schraubzwinge
Fixation base
Tornillo de apriete
Serre-joint
Morsetto a vite





66.10.20

Medicon Haltearm mit Universalsockel
für Schienen 25 × 10 mm – 35 × 8 mm und Rohre Ø 12 – 30 mm

Medicon holding arm with universal clamp base
for rails 25 × 10 mm – 35 × 8 mm and tubes Ø 12 – 30 mm

Medicon brazo de soporte con casquillo universal
para rieles 25 × 10 mm – 35 × 8 mm y tubos Ø 12 – 30 mm

Medicon bras de support avec socle universel
pour rails 25 × 10 mm – 35 × 8 mm et tubes Ø 12 – 30 mm

Medicon braccio di supporto con zoccolo universale
per lamiere 25 × 10 mm – 35 × 8 mm e tubi Ø 12 – 30 mm



66.10.21

Universalaufnahme für diverse chirurgische Instrumente,
sowie für Optiken von Ø 2,7 – 10 mm

Universal clamp for different surgical instruments
and scopes from Ø 2,7 – 10 mm

Casquillo universal para diferentes instrumentos quirúrgicos
y para ópticas Ø 2,7 – 10 mm

Prise universelle pour instruments chirurgicaux divers
et pour optiques de Ø 2,7 – 10 mm

Presa universale per diversi strumenti chirurgici
e per ottiche di Ø 2,7 – 10 mm



66.10.22

Halter für Optik Ø 4 mm
Holder for endoscope Ø 4 mm
Fijacion para óptica Ø 4 mm
Fixation pour l'optique Ø 4 mm
Fissaggio per ottica Ø 4 mm



66.10.23

Halter für Optik Ø 10 mm
Holder for endoscope Ø 10 mm
Fijacion para óptica Ø 10 mm
Fixation pour l'optique Ø 10 mm
Fissaggio per ottica Ø 10 mm



25 cm – 10″

66.15.10

Wilde (Brünings)



26 cm – 10¼″

66.15.20

Krause



26 cm – 10¼″

66.15.30

Krause-Voss

66.15.31	**66.15.32**
Rohraufsatz allein, vertikale Öffnung (mit Drahtführer)	Rohraufsatz allein, horizontale Öffnung (mit Drahtführer)
Cannula only, vertical opening (with wire guide)	Cannula only, horizontal opening (with wire guide)
Terminal tubular, solo, apertura vertical (con guia-hilo)	Terminal tubular, solo, apertura horizontal (con guia-hilo)
Embout tubulaire, seul, orifice vertical (avec guide-anse)	Embout tubulaire, seul, orifice horizontal (avec guide-anse)
Tubo terminale, solo, apertura verticale (con guida-filo)	Tubo terminale, solo, apertura orizzontale (con guida-filo)

Instrument komplett mit: 66.15.31 + 66.15.32
Instrument complete with: 66.15.31 + 66.15.32
Instrumento completo con: 66.15.31 + 66.15.32
Instrument complet avec: 66.15.31 + 66.15.32
Strumento completo con: 66.15.31 + 66.15.32

Ersatzteile für Instrumente: **Spare parts for instruments:** **Piezas de repuesto para instrumentos:** **Pièces de rechange pour instruments:** **Pezzi di ricambio per strumenti:**	66.15.10	66.15.20
Stilett (Drahtführer) allein Stilet (wire guide) only Estilete (guía-hilo) solo Stylet (guide-anse) seul Stiletto (guida-filo) solo	**66.15.13**	**66.15.23**
Rohraufsatz allein Cannula only Terminal tubular solo Embout tubulaire seul Tubo terminale solo		**66.15.21**



Ø 0,35 mm	Ø 0,40 mm	Ø 0,45 mm
62.15.43	**62.15.44**	**62.15.45**

Schnürerdrähte
Snare wires
Alambres para cierranudos
Fils pour serre-nœud
Fili per serranodi

Rolle zu 10 Meter
Coil 10 m (33.3 ft.)
Rollo de 10 m
Rouleau de 10 m
Rotolo da 10 m



Ø 0,3 mm

66.15.40

Schnürerdrähte, vorgeformt
Snare wires, preshaped
Alambres para cierranudos, preformadas
Fils pour serre-nœud, préformées
Fili per serranodi, preformati

Bündel zu 100 Stück
Bundle of 100 pieces
Atado de 100 piezas
Botte de 100 pièces
Confezione da 100 pezzi



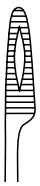
18 cm – 7⅛″

66.20.10

feines Modell
delicate pattern
modelo fino
modèle fin
modello fine

Hartmann



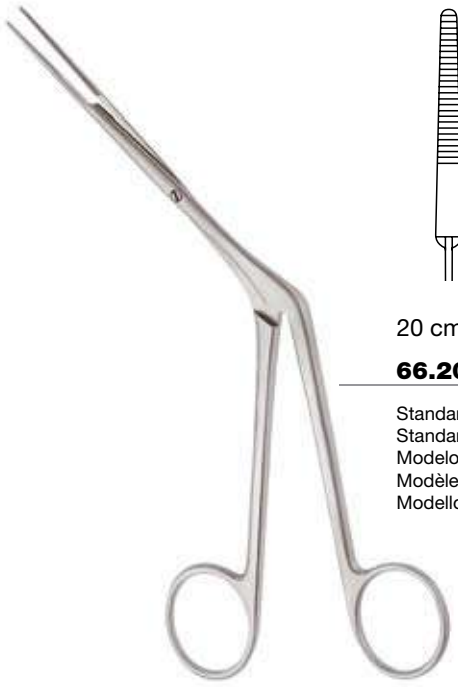


20 cm – 8″

66.20.11

Standardmodell
Standard pattern
Modelo estándar
Modèle standard
Modello standard

Hartmann







20 cm – 8″ **66.20.25**

Standardmodell
Standard pattern
Modelo estándar
Modèle standard
Modello standard

20 cm – 8″ **66.20.27**

Feines Modell
Delicate pattern
Modelo fino
Modèle fin
Modello fine

Westmacott



20 cm – 8″ **66.20.28**

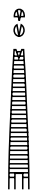
Lubet-Barbon



11 cm – 4⅜″ **66.20.30**

Noyes





11 cm – 4⅜″ **66.20.31**

Noyes

Maßangaben = Nutzlänge
Measurements = working length
Medidas = longitud útil
Mesures = longueur utile
Misure = lunghezza utile





17 cm – 6¾″

66.20.35

Tilley







18 cm – 7⅛″ **66.25.11**

18 cm – 7⅛″ **66.25.12**

Luc-Brünings (Heymann)





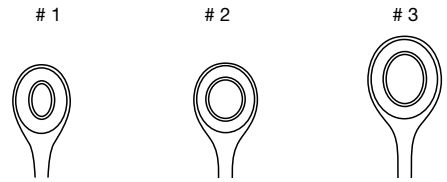
17 cm – 6¾″

66.25.15

Vomerzange
Vomer forceps
Pinza para el vómer
Pince à vomer
Pinza per vomere

Craig





19 cm – 7½″	19 cm – 7½″	19 cm – 7½″
66.25.01	**66.25.02**	**66.25.03**

Brünings



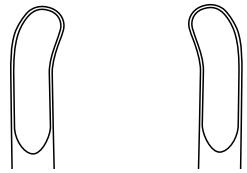


19 cm – 7½″

66.25.10

Knight



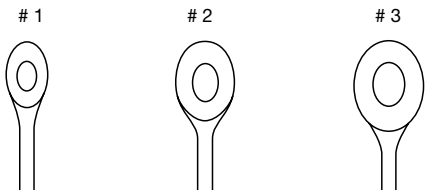


17 cm – 6¾″	17 cm – 6¾″
66.25.16	**66.25.17**

Vomerzangen
Vomer forceps
Pinzas para el vómer
Pinces à vomer
Pinze per vomere

Craig-Domnick

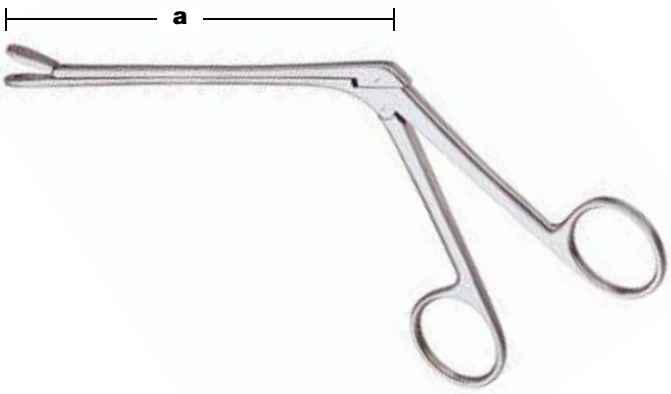




19 cm – 7½″	19 cm – 7½″	19 cm – 7½″
66.27.11	**66.27.12**	**66.27.13**

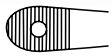
Siebbeinzangen
Ethmoid bone forceps
Pinzas para hueso etmoides
Pinces pour os ethmoïdal
Pinze per osso etmoidale

Luc

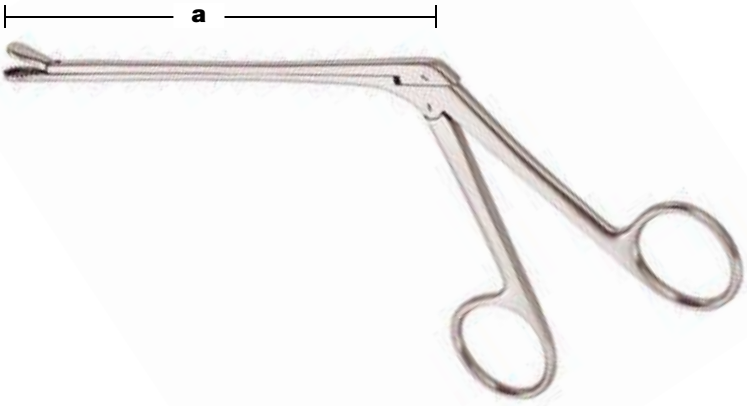


Ferris-Smith



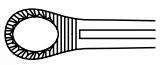
		a
	**62.25.40**	11,5 cm – 4½″

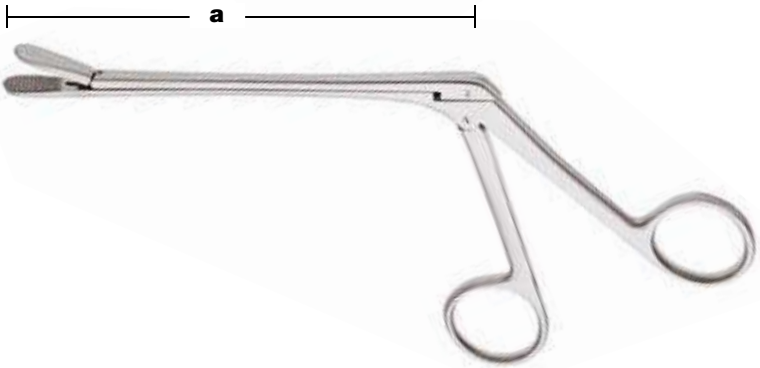
Sequesterzange
Sequestrum forceps
Pinza para secuestrectomía
Pince à séquestre
Pinza per sequestri



Blakesley

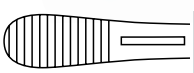


		a
	**62.25.45**	12 cm – 4¾″



Blakesley



		a
	**66.25.51**	12 cm – 4¾″

Maßangaben = Nutzlänge
Measurements = working length
Medidas = longitud útil
Mesures = longueur utile
Misure = lunghezza utile



	a
66.25.55	12 cm – 4¾″

Siebbeinzange
Ethmoid bone forceps
Pinza para hueso etmoides
Pince pour os ethmoïdal
Pinza per osso etmoidale

Watson-Williams



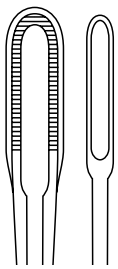


19 cm – 7½″

66.25.60

Jansen-Middleton





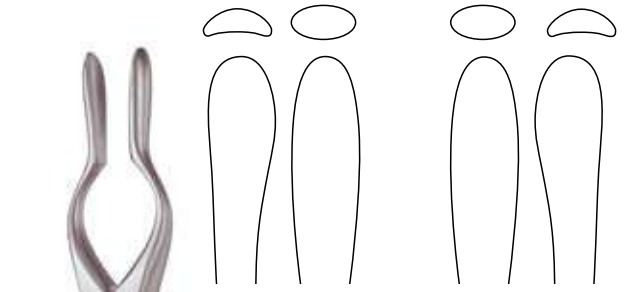
19 cm – 7½″

66.25.65

Nasenseptumstanze
Nasal septum rongeur
Pinza saca-bocada para el tabique nasal
Pince emporte-pièce pour le septum nasal
Pinza tagliente per il setto nasale

Jansen-Middleton

Septumrichtzangen
Septum straightening forceps
Pinzas para enderezar el tabique nasal
Pinces pour le redressement de la cloison nasale
Pinze per rizzare il setto nasale

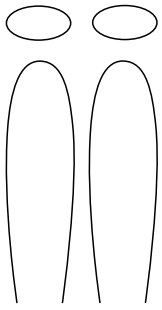




23 cm - 9″
67.65.11
rechts
right
derecha
droite
destra

23 cm - 9″
67.65.12
links
left
izquierda
gauche
sinistra

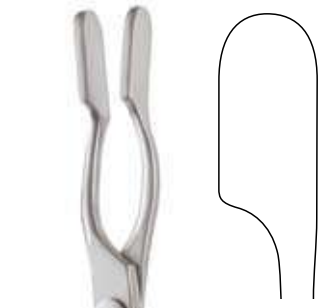
Walsham





23 cm - 9″
67.65.10

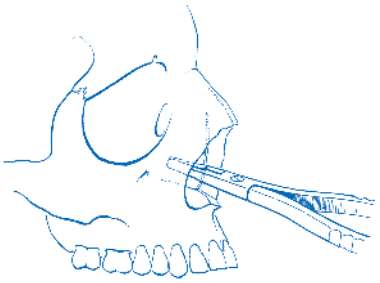
Walsham “Universal”



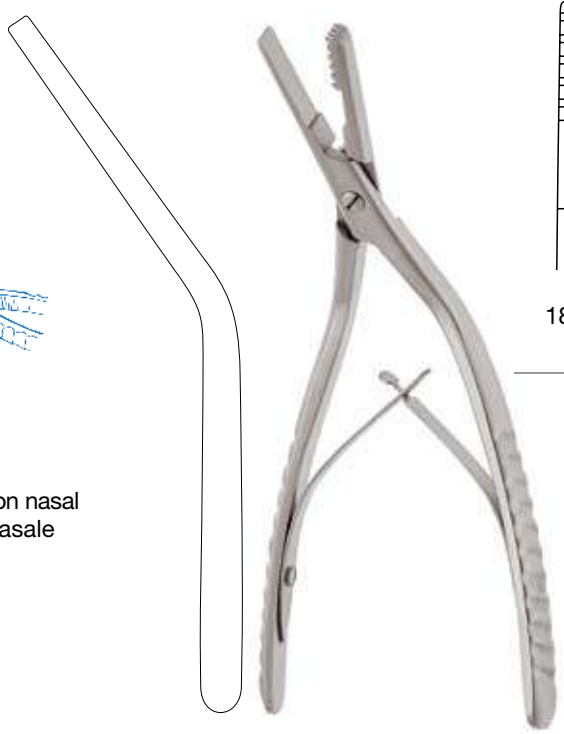


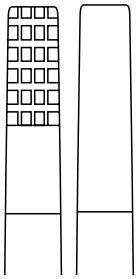
21 cm - 8¼″
67.65.15
zerlegbar
dismantable
desmontable
démontable
smontabile

Cottle-Fomon



Septum-Zerschneider
Septum cutter
Cortador del septo
Pince perforatrice de la cloison nasal
Pinza tagliente per il setto nasale





18,5 cm - 7¼″

67.65.18

Obwegeser



Septumrichtzange
Septum straightening forceps
Pinza para enderezar el tabique nasal
Pince pour le redressement de la cloison nasale
Pinze per rizzare il setto nasale

22 cm - 8¾″

67.65.20

Asch

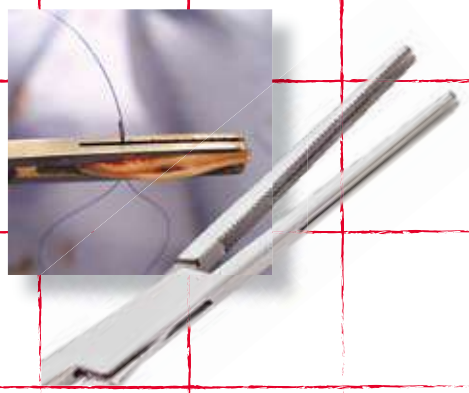




21 cm - 8¼″

67.65.24

Kressner



Aiach

Mehrschichtige Knorpeltransplantate können exakt miteinander vernäht werden.

Allows an exact suture of multilayered cartilage transplants.

Injertos de cartílago de varias capas pueden ser suturadas entre ellos más precisamente.

Des implants de cartilages à plusieurs couches peuvent être suturés exactement l'un avec l'autre.

Trapianti di cartilagine stratificati possono essere ricuciti esattamente l'un con l'altro.



16 cm - 6¼″

67.58.40

Aiach

Die Neutralisation der Knorpelspannung ermöglicht Neukonturierung des Knorpels ohne Beeinträchtigung der Knorpelstruktur.
Neutralisation of tension in the cartilage permits recontouring of the cartilage without impairment to the cartilage structure.
La neutralización de la tensión del cartílago permite su nuevo contorneado sin afectar a la estructura del mismo.
La neutralisation de la tension du cartilage permet de refaire le contour du cartilage sans nuire à la structure cartilagineuse.
La neutralizzazione della tensione cartilaginea permette di definire un nuovo contorno della cartilagine senza comprometterne la struttura.

Septum-Quetschzangen
mit Schutzkappe

Septal morselizer forceps
with protective cap

Pinzas para aplastamiento
el tabique nasal con
caperuza protectora

Pinces pour aplatissement
de la cloison nasale avec
capuchon protecteur

Pinze per appiattamento
del setto nasale con
cappuccio di protezione



20 cm - 8″

67.65.70

Rubin



20 cm - 8″

67.65.72

Gubisch-Rubin “HM”

Schutzkappe
Protective cap
Caperuza protectora
Capuchon protecteur
Cappuccio di protezione



1:1

67.65.71

Die Schutzkappe kann je nach Bedarf auf rechtes oder linkes Maulteil umgesteckt werden.

According to the requirements of operation, the cap may be placed either on the right or the left jaw.

En caso de necesidad, la caperuza protectora puede colocarse sobre la parte derecha o la parte izquierda de la boca de la pinza.

Selon le besoin, le capuchon protecteur se posera sur le mors droit ou sur le mors gauche.

Il cappuccio può essere applicato indifferentemente sul morso destro oppure sinistro.

“HM” = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno

Septum-Quetschzangen
Septal morselizer forceps
Pinzas para aplastamiento el tabique nasal
Pinces pour aplatissement de la cloison nasale
Pinze per appiattimento del setto nasale



20 cm - 8″

67.65.74

Rubin



20 cm - 8″

67.65.76

Rubin “HM”

Knorpel-Quetschzange
Cartilage morselizer
Pinza aplastadora de cartílagos
Pince presse-cartilages
Pinza tritacartilagine



19 cm – 7½″

67.65.80

Tschoepe

Schutzkappe
Protective cap
Caperuza protectora
Capuchon protecteur
Cappuccio di protezione



1:1

67.65.71

Die Schutzkappe kann je nach Bedarf auf rechtes oder linkes Maulteil umgesteckt werden.

According to the requirements of operation, the cap may be placed either on the right or the left jaw.

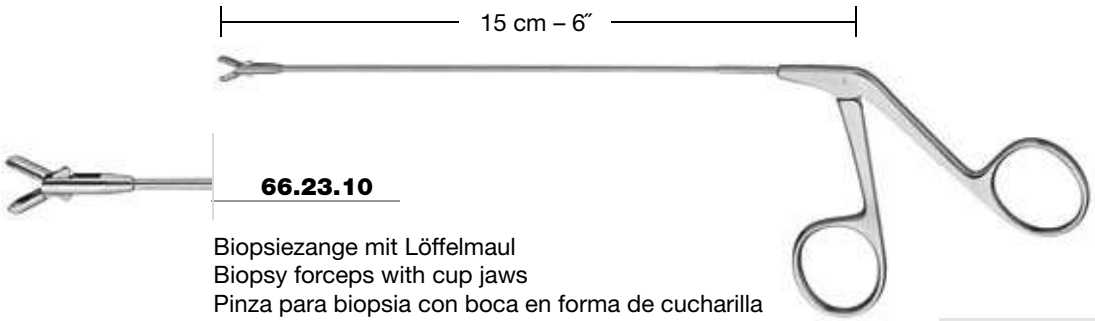
En caso de necesidad, la caperuza protectora puede colocarse sobre la parte derecha o la parte izquierda de la boca de la pinza.

Selon le besoin, le capuchon protecteur se posera sur le mors droit ou sur le mors gauche.

Il cappuccio può essere applicato indifferentemente sul morso destro oppure sinistro.

“HM” = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno

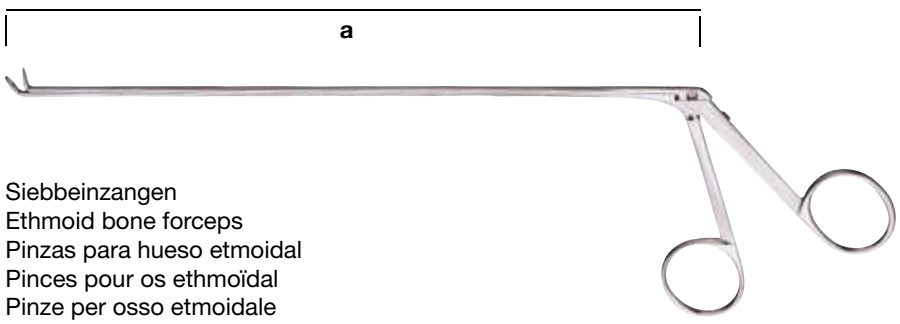




66.23.10

Biopsiezange mit Löffelmaul
Biopsy forceps with cup jaws
Pinza para biopsia con boca en forma de cucharilla
Pince à biopsie avec mors en forme de cuiller
Pinza per biopsia con morsi a forma di cucchiaio

Schaft
Shaft
Vástago
Tige
Asta
ø **1,5** mm



Siebbeinzangen
Ethmoid bone forceps
Pinzas para hueso etmoidal
Pinces pour os ethmoïdal
Pinze per osso etmoidale

Struempel

	gerade straight recta droites retta	aufgewinkelt angled upwards angulado hacía arriba coudées en haut angolata in su **60°**	aufgewinkelt angled upwards angulado hacía arriba coudées en haut angolata in verso l'alto **90°**
a = 13 cm – 5⅛″	**66.23.13**	**66.23.23**	**66.23.33**
a = 16 cm – 6¼″	**66.23.16**	**66.23.26**	**66.23.36**
a = 19 cm – 7½″	**66.23.19**	**66.23.29**	**66.23.39**



13 cm - 8⅛″



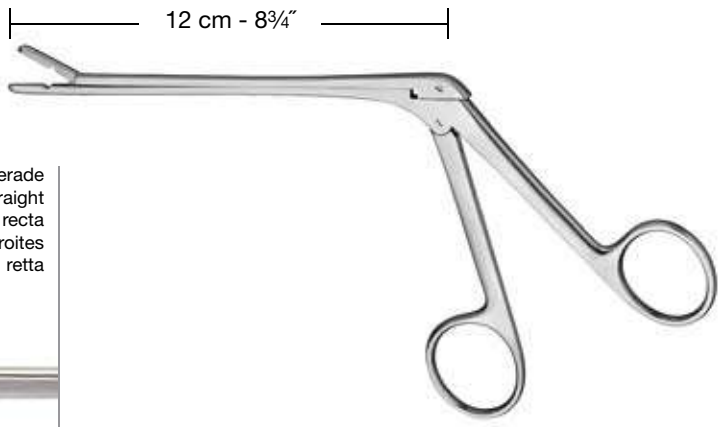


66.25.57

Kieferhöhlenfasszange
Antrum grasping forceps
Pinza para agarrar antrum
Pince pour saisir l'antre
Pinza da presa per antro

Schaft
Shaft
Vástago
Tige
Asta
ø **2,5** mm

12 cm - 8¾″



gerade
straight
recta
droites
retta



Takahashi

2 × 10 mm	**66.27.52**
3 × 10 mm	**66.27.53**

Siebbeinzangen
Ethmoid bone forceps
Pinzas para hueso etmoidal
Pinces pour os ethmoïdal
Pinze per osso etmoidale



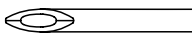
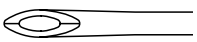
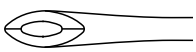
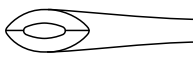
Siebbeinzangen
Ethmoid bone forceps
Pinzas para hueso etmoidal
Pinces pour os ethmoïdal
Pinze per osso etmoidale



Weil-Blakesley

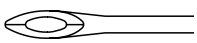
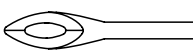
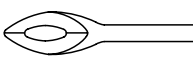


mit normalem Schaft
with normal shaft
con vástago normal
á tige normale
con asta normale

	gerade straight recta droites retta	aufgewinkelt angled upwards angulado hacía arriba coudées en haut angolata in verso l'alto **45°**	aufgewinkelt angled upwards angulado hacía arriba coudées en haut angolata in verso l'alto **90°**
			
3,0 mm 	**66.28.01** # 1	**66.28.11** # 1	**66.28.31** # 1
3,6 mm 	**66.28.02** # 2	**66.28.12** # 2	**66.28.32** # 2
4,2 mm 	**66.28.03** # 3	**66.28.13** # 3	**66.28.33** # 3
4,8 mm 	**66.28.04** # 4	**66.28.14** # 4	**66.28.34** # 4
5,6 mm 	**66.28.05** # 5		



mit schlankem Schaft
with slim shaft
con vástago delgado
á tige élancée
con asta sottile

		45°
		
3,0 mm 	**66.28.71** # 1	**66.28.81** # 1
3,6 mm 	**66.28.72** # 2	**66.28.82** # 2
4,2 mm 	**66.28.73** # 3	**66.28.83** # 3
4,8 mm 	**66.28.74** # 4	**66.28.84** # 4
5,6 mm 	**66.28.75** # 5	



11,5 cm - 4½″



Blakesley

gerade straight recta droites retta	aufgewinkelt angled upwards angulada hacía arriba coudées en haut angolata in verso l'alto	aufgewinkelt angled upwards angulada hacía arriba coudées en haut angolata in verso l'alto
	45°	**90°**
		
3 mm 		
66.28.59	**66.28.60**	**66.28.61**

mit Frontalabsaugung
with frontal suction
con aspiración frontal
à succion frontale
con aspirazione frontale

10 cm - 4″

mit Mandrin
with guide
con mandril
avec mandrin
con mandrino



gerade straight recta droites retta	aufgewinkelt angled upwards angulada hacía arriba coudées en haut angolata in verso l'alto
	45°
	
2,5 mm 	
66.27.61	**66.27.64**



10 cm - 4″



Takahashi

	gerade straight recta droites retta	aufgewinkelt angled upwards angulada hacía arriba coudées en haut angolata in verso l'alto **45°**
2,5 mm	**66.27.56**	**66.27.58**
3,5 mm	**66.27.57**	**66.27.59**

Schaft
Shaft
Vástago
Tige
Asta
ø **4** mm

10 cm - 4″



Weil-Blakesley

	gerade straight recta droites retta	aufgewinkelt angled upwards angulada hacía arriba coudées en haut angolata in verso l'alto **45°**
2,5 mm	**66.28.40**	**66.28.50**
3,5 mm	**66.28.41**	**66.28.51**
4,0 mm	**66.28.42**	**66.28.52**

Schaft
Shaft
Vástago
Tige
Asta
ø **4,0** mm
ø **4,0** mm
ø **5,0** mm



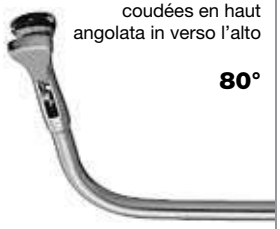
Schlauchansatz
Tube connection
Empalme de tubo
Embout de tuyaux
Attacco di tubo



Polypenfasszangen
Polyp grasping forceps
Pinzas para agarrar pólipos
Pinces à polypes
Pinze da presa per polipi

13 cm - 5⅛″





aufgewinkelt
angled upwards
angulada hacía arriba
coudées en haut
angolata in verso l'alto

80°



aufgewinkelt
angled upwards
angulada hacía arriba
coudées en haut
angolata in verso l'alto

45°



66.29.00

66.29.03

Schaft
Shaft
Vástago
Tige
Asta

ø **2,7** mm

13 cm - 5⅛″





vertikal öffnend
vertical opening
apertura vertical
ouverture verticale
apertura verticale

55°

horizontal öffnend
horizontal opening
apertura horizontal
ouverture horizontale
apertura orizzontale

55°

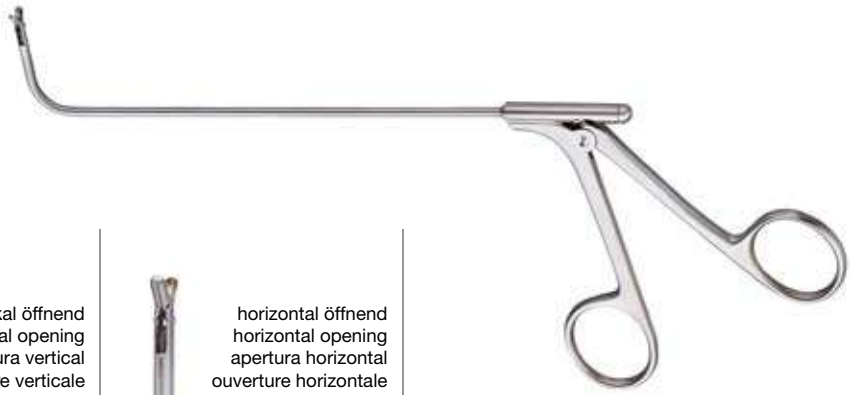
2 mm	**66.29.10**	**66.29.11**
3 mm	**66.29.12**	**66.29.13**
4 mm	**66.29.14**	**66.29.15**

Schaft
Shaft
Vástago
Tige
Asta

ø **2,7** mm



13 cm - 5⅛″





vertikal öffnend
vertical opening
apertura vertical
ouverture verticale
apertura verticale

90°



horizontal öffnend
horizontal opening
apertura horizontal
ouverture horizontale
apertura orizzontale

90°

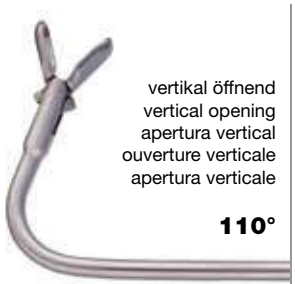
Schaft
Shaft
Vástago
Tige
Asta

ø **2,7** mm

2 mm ⬭	**66.29.16**	**66.29.17**

13 cm - 5⅛″





vertikal öffnend
vertical opening
apertura vertical
ouverture verticale
apertura verticale

110°



horizontal öffnend
horizontal opening
apertura horizontal
ouverture horizontale
apertura orizzontale

110°

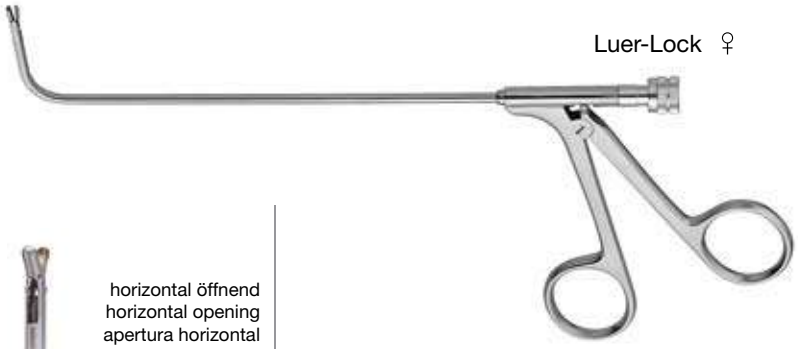
Schaft
Shaft
Vástago
Tige
Asta

ø **2,7** mm

4 mm ⬭	**66.29.20**	**66.29.21**



13 cm - 5⅛″





vertikal öffnend
vertical opening
apertura vertical
ouverture verticale
apertura verticale

90°



horizontal öffnend
horizontal opening
apertura horizontal
ouverture horizontale
apertura orizzontale

90°

Schaft
Shaft
Vástago
Tige
Asta

ø **2,7** mm

2 mm ⬭ **66.29.36** | **66.29.37**

13 cm - 5⅛″





vertikal öffnend
vertical opening
apertura vertical
ouverture verticale
apertura verticale

110°



horizontal öffnend
horizontal opening
apertura horizontal
ouverture horizontale
apertura orizzontale

110°

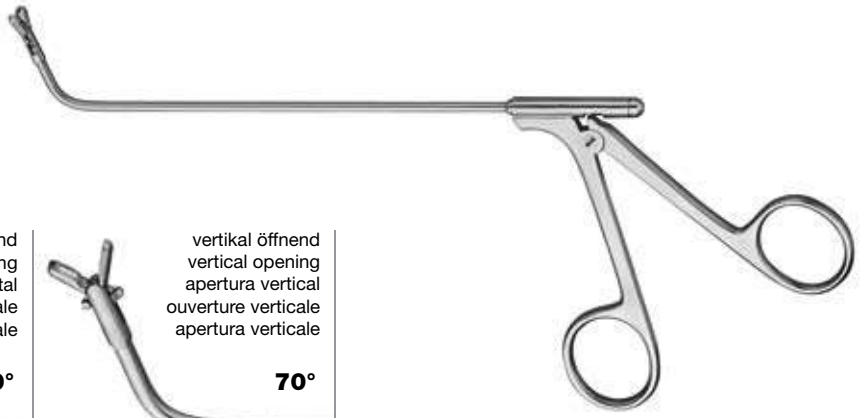
Schaft
Shaft
Vástago
Tige
Asta

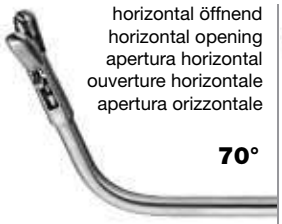
ø **2,7** mm

4 mm ⬭ **66.29.40** | **66.29.41**



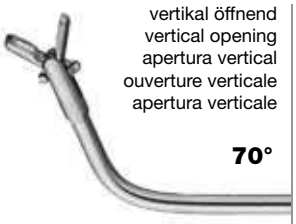
13 cm - 5⅛″





horizontal öffnend
horizontal opening
apertura horizontal
ouverture horizontale
apertura orizzontale

70°



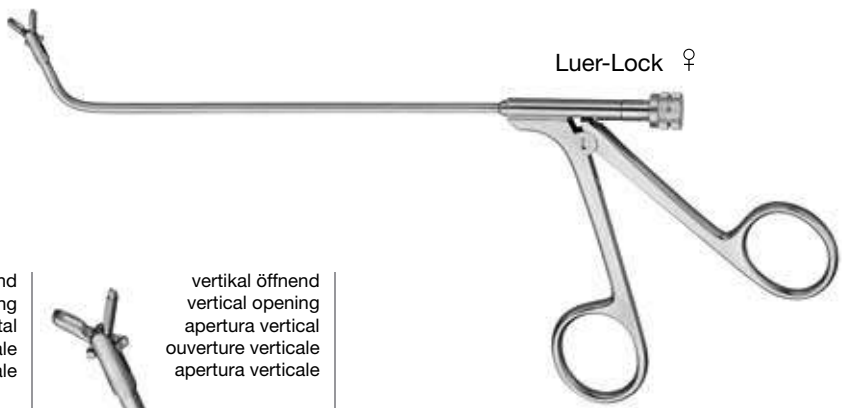
vertikal öffnend
vertical opening
apertura vertical
ouverture verticale
apertura verticale

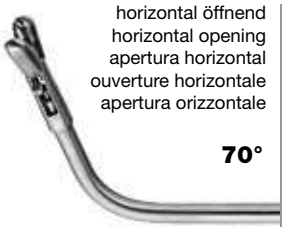
70°

3 mm ⬭	**66.29.52**	**66.29.53**

Schaft
Shaft
Vástago
Tige
Asta
ø **2,7** mm

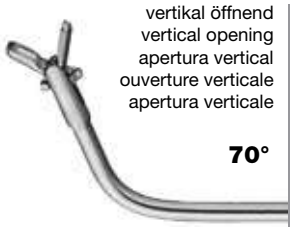
13 cm - 5⅛″





horizontal öffnend
horizontal opening
apertura horizontal
ouverture horizontale
apertura orizzontale

70°



vertikal öffnend
vertical opening
apertura vertical
ouverture verticale
apertura verticale

70°

3 mm ⬭	**66.29.56**	**66.29.57**

Schaft
Shaft
Vástago
Tige
Asta
ø **2,7** mm



15 cm - 6″



Kieferhöhlen-Probeexzisionszangen
Maxillary sinus biopsy forceps
Pinzas para excisión de prueba en el seno maxilar
Pinces à excision d'épreuves pour le sinus maxillaire
Pinze per l'esame bioptico del seno mascellare

gerade straight recta droites retta	**70°** nach unten gewinkelt angled downwards angulada hacía abajo coudées en bas angolata in basso	**110°** nach unten gewinkelt angled downwards angulada hacía abajo coudées en bas angolata in basso
		
3 mm  **66.29.80**	**66.29.81**	**66.29.82**

Schaft
Shaft
Vástago
Tige
Asta
ø **2,0** mm

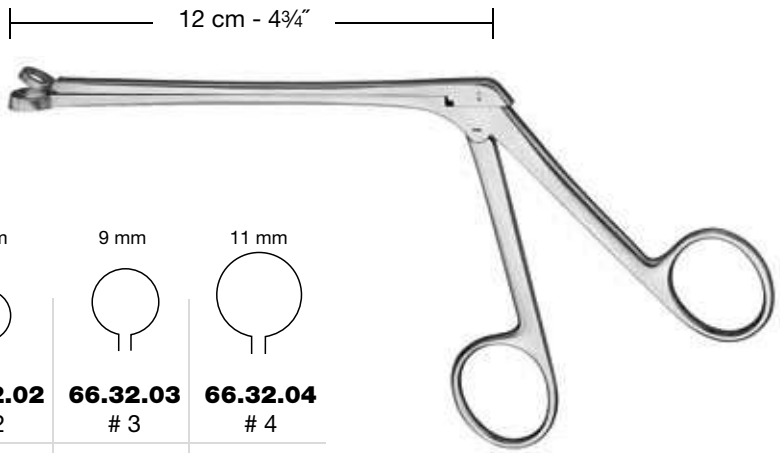


Watson-Williams



66.30.10

66.30.11

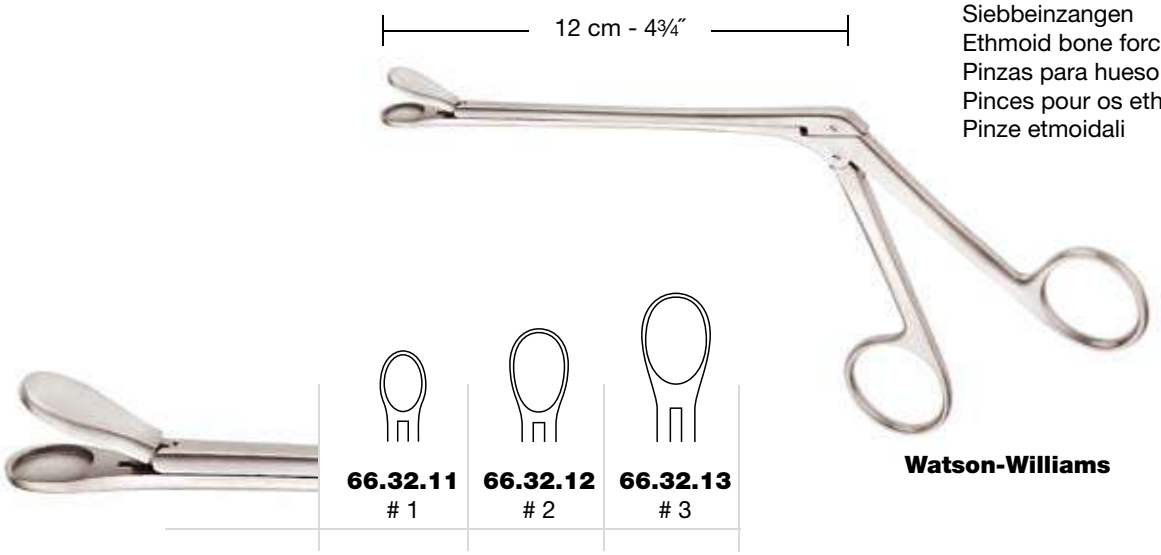




5 mm	7 mm	9 mm	11 mm
66.32.01 # 1	**66.32.02** # 2	**66.32.03** # 3	**66.32.04** # 4

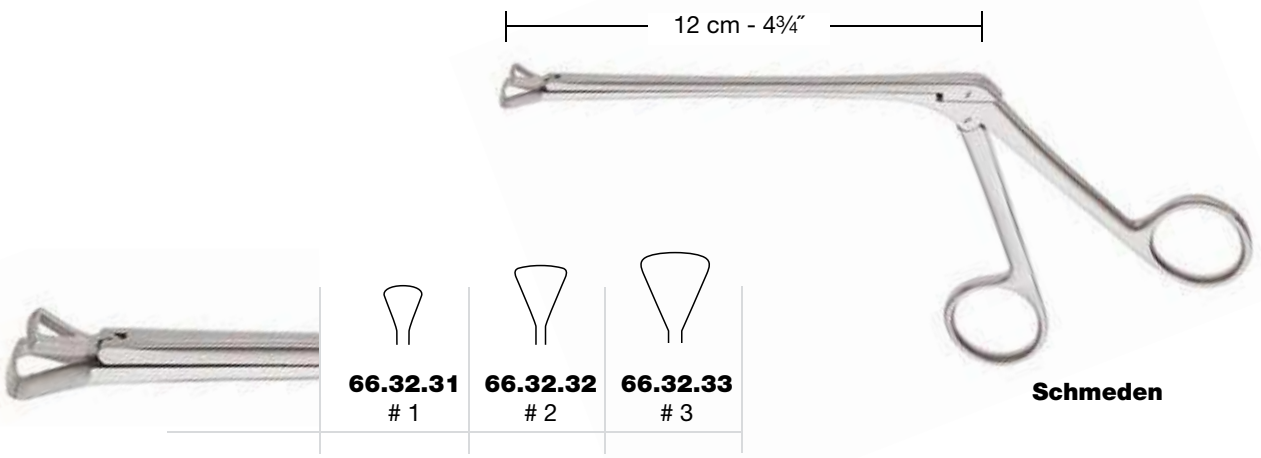
Hartmann

Siebbeinzangen
Ethmoid bone forceps
Pinzas para hueso etmoidal
Pinces pour os ethmoïdal
Pinze etmoidali



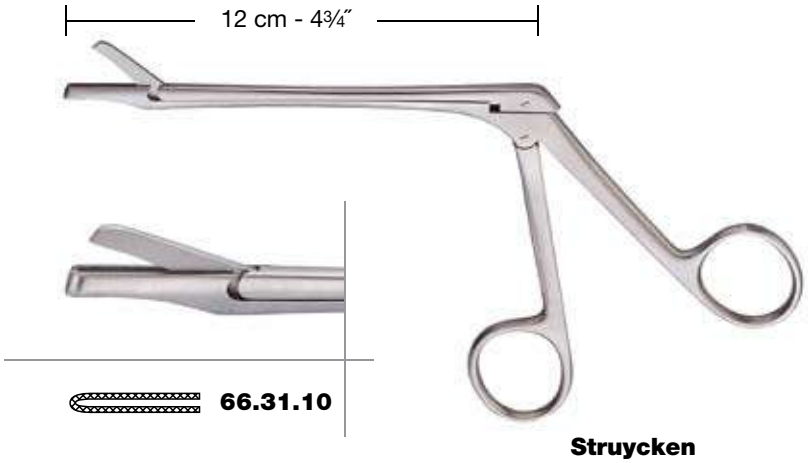
66.32.11 # 1	**66.32.12** # 2	**66.32.13** # 3

Watson-Williams

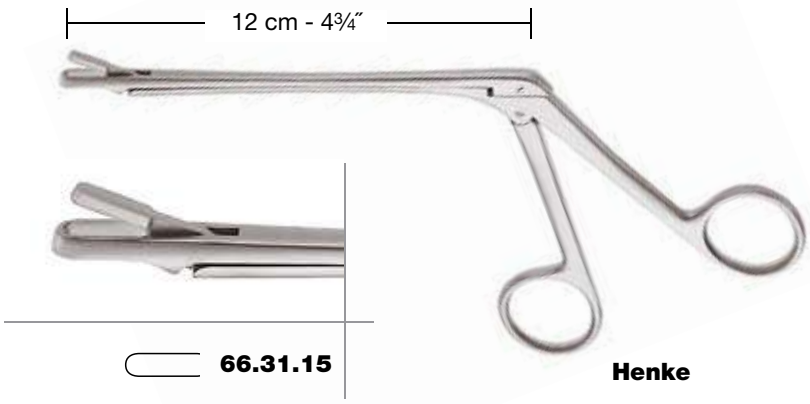


66.32.31 # 1	**66.32.32** # 2	**66.32.33** # 3

Schmeden



Struycken



Henke

12 cm - 4¾″



	# 1	**66.31.21**
	# 2	**66.31.22**
	# 3	**66.31.23**

Hajek-Gruenwald

12 cm - 4¾″



	# 1	**66.31.31**
	# 2	**66.31.32**
	# 3	**66.31.33**
	# 4	**66.31.34**

Myles



11,5 cm - 4½″



Weil-Blakesley

	gerade straight recta droites retta	aufgewinkelt angled upwards angulada hacía arriba coudées en haut angolata in verso l'alto **45°**
		
2,0 mm 	**66.28.06**	**66.28.15**
2,5 mm 	**66.28.07**	**66.28.16**
3,0 mm 	**66.28.08**	**66.28.17**

Turbinektomiezange
Turbinectomy forceps
Pinza para turbinectomia
Pince à turbinectomie
Pinza per turbinectomia

12 cm - 4¾″

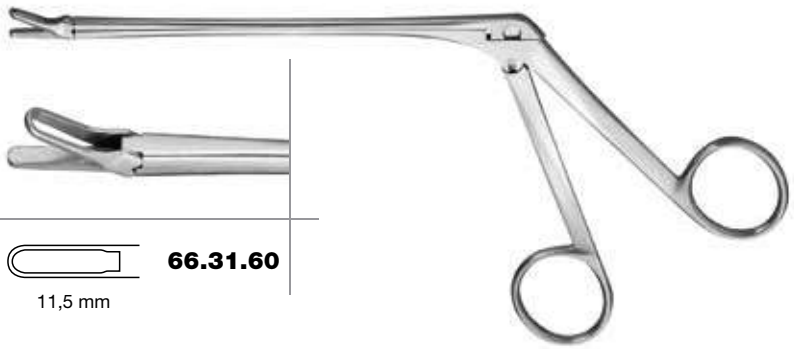


	
66.28.21	

Fanous



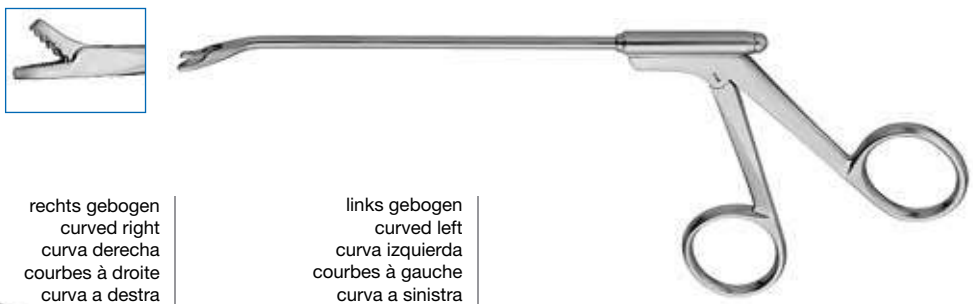
14 cm - 5½″



2,5 mm — 11,5 mm — **66.31.60**

Gruenwald

11,5 cm - 4½″



rechts gebogen curved right curva derecha courbes à droite curva a destra	links gebogen curved left curva izquierda courbes à gauche curva a sinistra
	
30°	**30°**
2,5 mm — **66.28.23**	**66.28.24**

Weil-Blakesley

Schaft
Shaft
Vástago
Tige
Asta
ø **3,4** mm

10 cm - 4″

Luer-Lock ♀

mit Mandrin
with guide
con mandril
avec mandrin
con mandrino





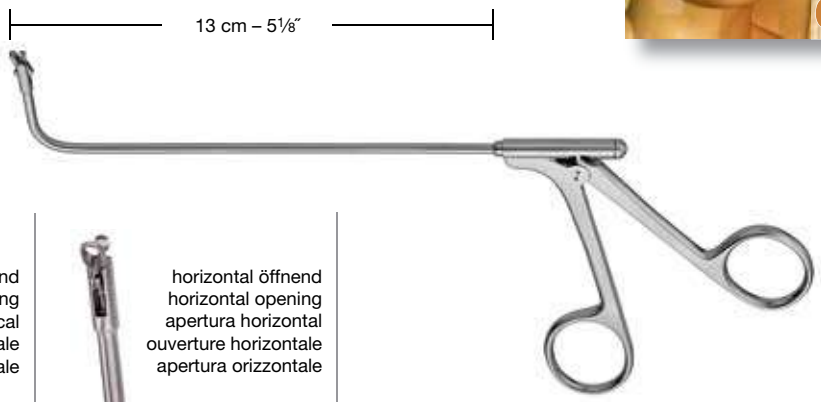
mit Frontalabsaugung
with frontal suction
con aspiración frontal
à succion frontale
con aspirazione frontale

2,0 mm — **66.27.67**

2,5 mm — **66.27.68**

Nasenzangen durchschneidend
Nasal Forceps through-cutting
Pinzas nasales cortantes
Pinces nasales coupantes
Pinze nasali taglienti







vertikal öffnend
vertical opening
apertura vertical
ouverture verticale
apertura verticale

90°

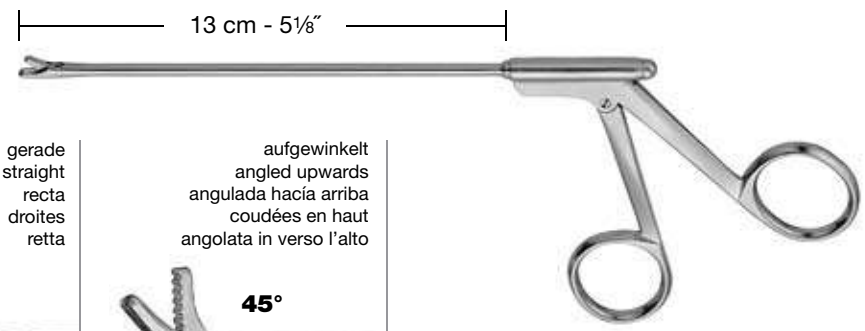


horizontal öffnend
horizontal opening
apertura horizontal
ouverture horizontale
apertura orizzontale

90°

2 mm	**66.29.75**	**66.29.76**
3 mm	**66.29.77**	**66.29.78**

Schaft
Shaft
Vástago
Tige
Asta
ø **2,7** mm



Gruenwald



gerade
straight
recta
droites
retta



aufgewinkelt
angled upwards
angulada hacía arriba
coudées en haut
angolata in verso l'alto

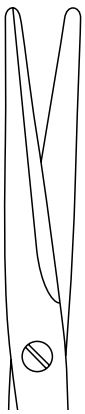
45°

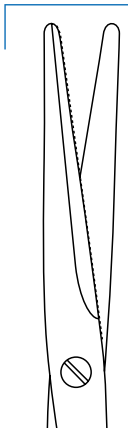
2,0 mm / 6,0 mm	**66.31.40**	**66.31.43**
2,5 mm / 7,0 mm	**66.31.41**	**66.31.44**
3,0 mm / 7,5 mm	**66.31.42**	**66.31.45**

Schaft
Shaft
Vástago
Tige
Asta
ø **3,4** mm



gezahnte Schneide
serrated cutting edge
hoja dentada
lames dentelée
lame dentellate



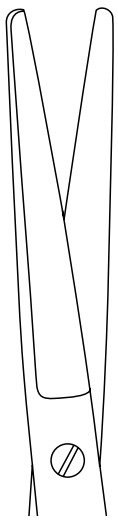




	17 cm - 6¾″	17 cm - 6¾″	18 cm - 7⅛″
standard	**66.40.20**	**66.40.21**	
supercut			**266.40.21**

Heymann

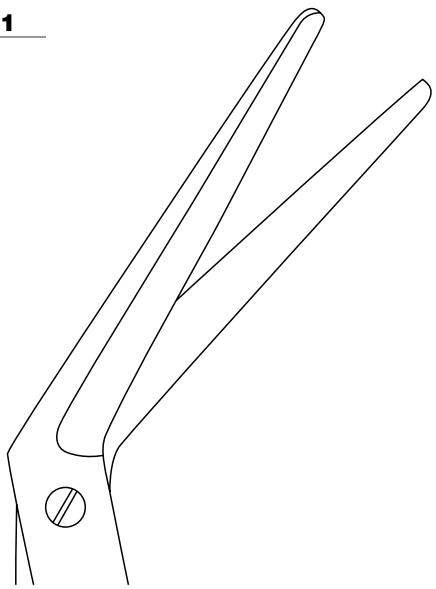




20 cm - 8″
standard **66.40.22**

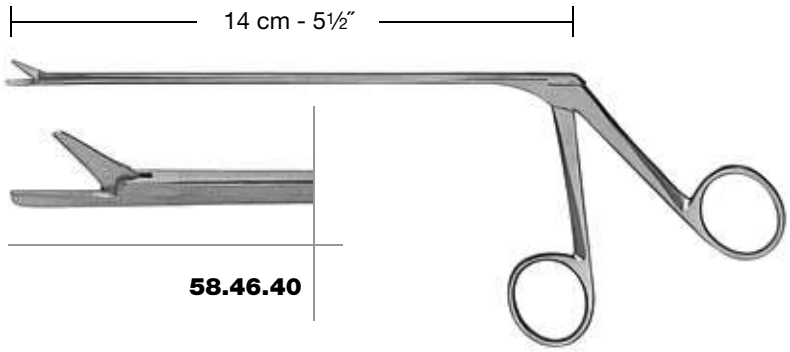
Heymann

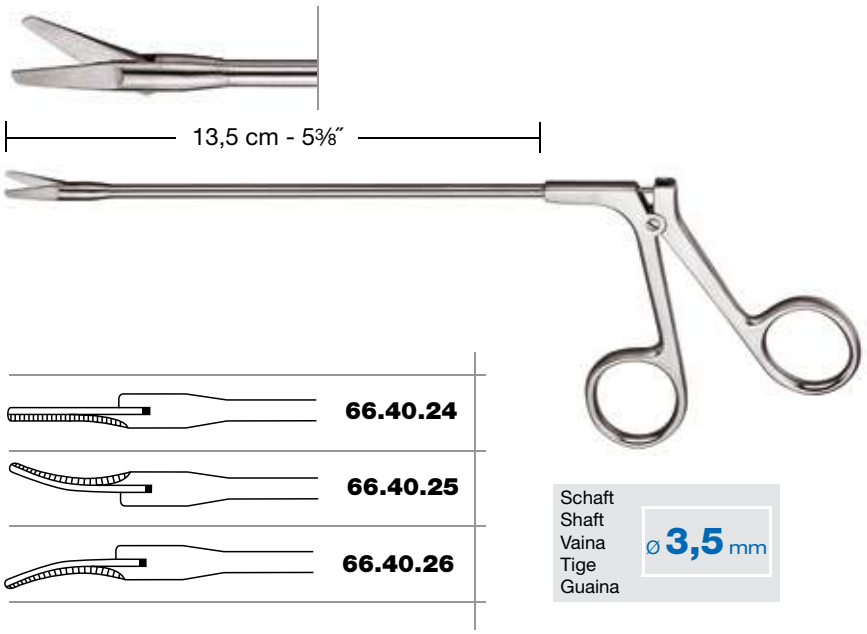




17 cm – 6¾″
standard **66.40.05**

Seiler

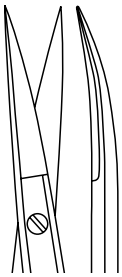


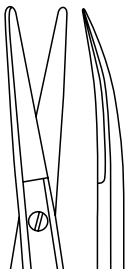


Schaft
Shaft
Vaina
Tige
Guaina

ø **3,5** mm



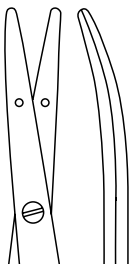




	10 cm - 4″	10 cm - 4″
standard	**67.48.10**	**67.49.10**

Cottle-Masing





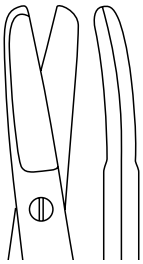
Fadenführungsschere
Suture carrying scissors
Tijera guía-hilo
Ciseaux guide-fil
Forbice guida filo

	12 cm - 4¾″
standard	**67.50.01**

Littler

Bulldogschere
Bulldog scissors
Tijera Bulldog
Ciseaux Bulldog
Forbice Bulldog





	11,5 cm - 4¾″
standard	**67.50.11**

Cottle



Außenkanten halbscharf
Outer edges semisharp
Bordes exteriores semicortantes
Bords extérieurs semi-tranchants
Bordi esterni semitaglienti

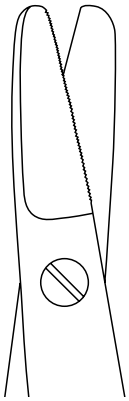


	13,5 cm - 5⅜″
standard	**67.50.13**

Converse



Facelift



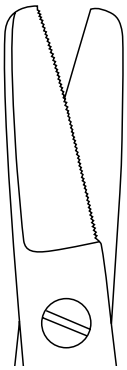
16 cm – 6¼″

standard **67.50.16**

Castanares



Facelift



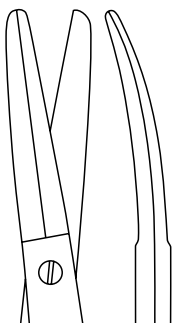
16 cm – 6¼″

standard **67.51.16**

Walter-Castanares

mit Außenschliff, beidseitig schneidend
with outer cutting, both sides sharp
con afilado exterior, cortante en ambos lados
avec affûtage extérieur, coupants des deux côtés
con affilatura esterna, tagliente da ambedue i lati



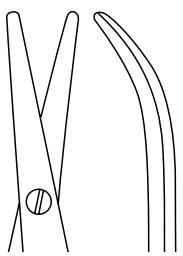


12,5 cm - 5″

standard **67.51.12**

Fomon





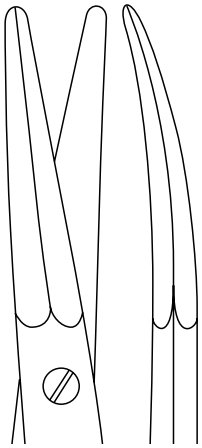
11 cm - 4⅜″

standard **67.52.11**

Cinelli

mit Außenschliff, beidseitig schneidend
with outer cutting, both sides sharp
con afilado exterior, cortante en ambos lados
avec affûtage extérieur, coupants des deux côtés
con affilatura esterna, tagliente da ambedue i lati





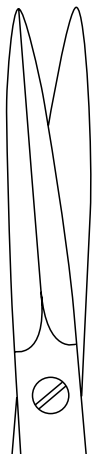
Aufricht

14 cm - 5½″

standard	**67.51.14**
supercut	**267.51.14**
black line	**277.51.14**
"HM"	**67.51.64**
supercutplus	**267.51.64**

Außenkanten halbscharf, gezahnte Schneiden
Outer edges semisharp, serrated cutting edges
Bordes exteriores semicortantes, hoja dentadas
Bords extérieurs semi-tranchants, lame dentelées
Bordi esterni semitaglienti, lame dentellate





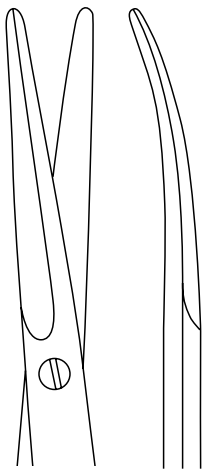
McIndoe

19 cm - 7½″

standard	**67.51.19**

Knorpelschere
Cartilage scissors
Tijera para cartílagos
Ciseaux à cartilages
Forbice per cartilagine





Obwegeser

18,5 cm – 7¼″

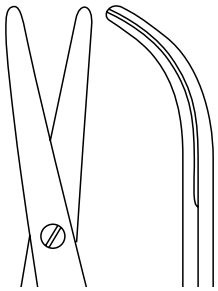
standard	**67.49.18**

20,0 cm – 8″

standard	**67.49.20**

Unterminierscheren
Undermining scissors
Tijeras para tunelización
Ciseaux à tunnellisation
Forbice per tunnelizzare



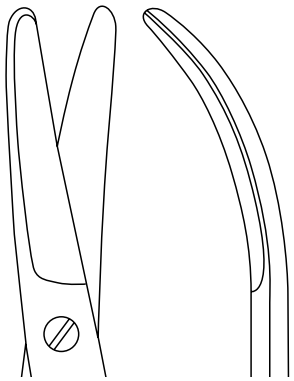


12,5 cm - 5″

standard	**67.52.12**
supercut	**267.52.12**
black line	**277.52.12**

Fomon

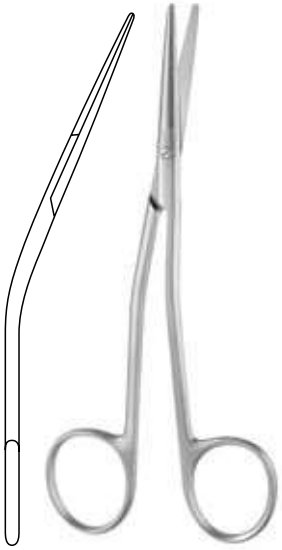




16,5 cm – 6½″

standard	**67.52.16**

Joseph

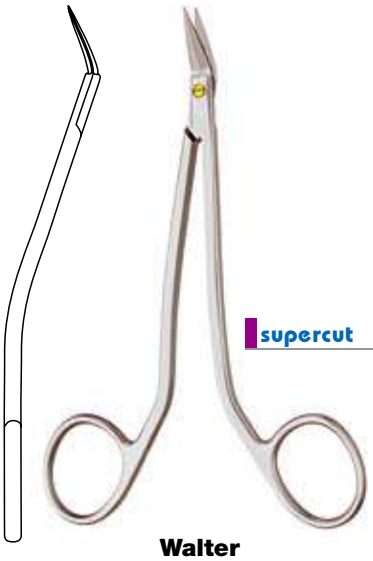


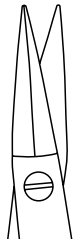


13 cm - 5⅛″

standard	**67.53.13**
supercut	**267.53.13**
supercutplus	**267.53.63**
magic cut	**227.53.63**

Fomon

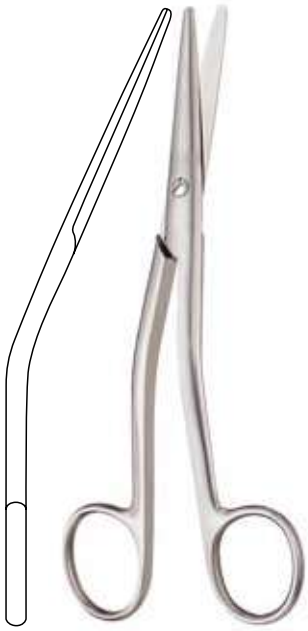


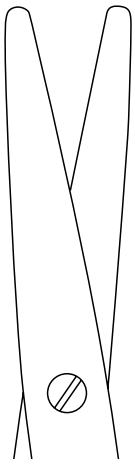


14 cm - 5½″

supercut	**267.53.14**

Walter

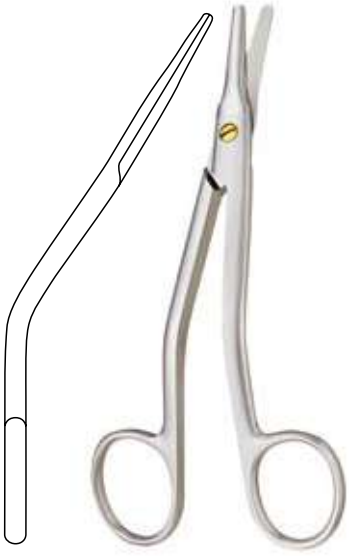




Cottle

16 cm - 6¼″

standard	**67.53.16**
supercut	**267.53.16**
"HM"	**67.53.36**
supercut plus	**267.53.36**
magic cut	**227.53.36**



Walter-Cottle

16 cm - 6¼″

supercut	**267.53.17**
"HM"	**67.53.77**
supercut plus	**267.53.77**





Fanous

14 cm - 5½″

standard	**67.53.23**
supercut	**267.53.23**



18 cm - 7⅛″

67.53.50

Cottle

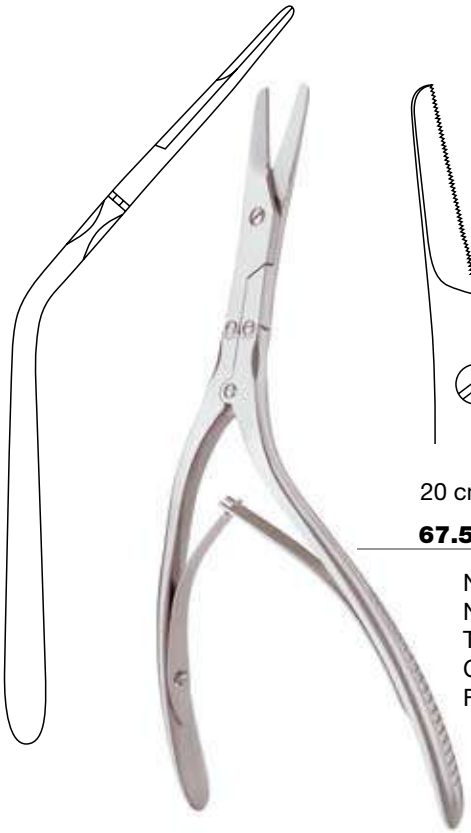


18 cm - 7⅛″

67.53.51

Nasenseptumschere
Nasal septum scissors
Tijera para el tabique nasal
Ciseaux pour cloison nasale
Forbice per setto nasale

Cottle



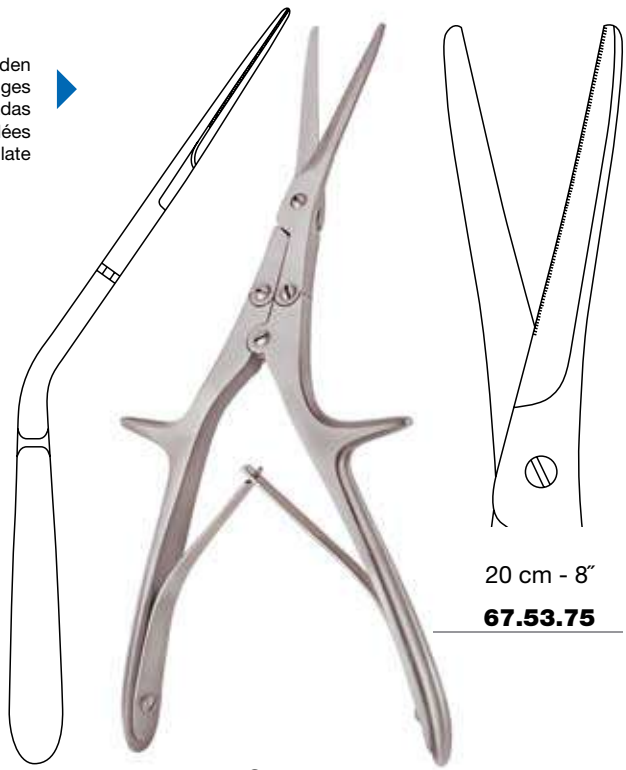
20 cm - 8″

67.53.71

Nasenseptumschere
Nasal septum scissors
Tijera para el tabique nasal
Ciseaux pour cloison nasale
Forbice per setto nasale

Caplan

gezahnte Schneiden
serrated cutting edges
hojas dentadas
lames dentelées
lame dentellate



20 cm - 8″

67.53.75

Gorney

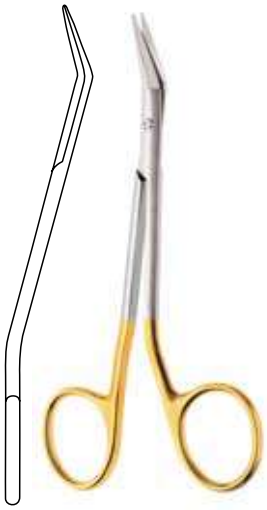




13 cm – 5⅛″

standard **67.53.83**

Hough





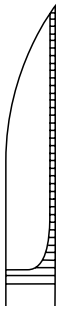
13,5 cm - 5⅜″

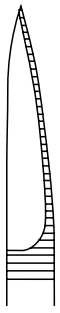
"HM" **67.55.63**

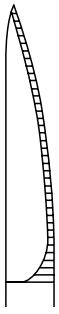
magic cut **227.55.63**

Giunta









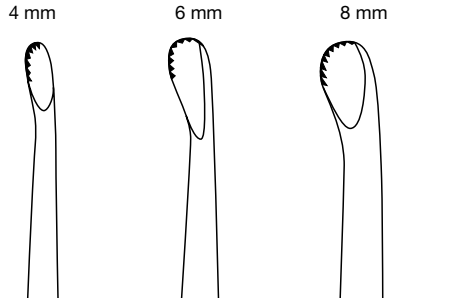
21 cm - 8¼″ | 21 cm - 8¼″ | 21 cm - 8¼″

67.65.31 | **67.65.32** | **67.65.33**

Nasenrückenscheren
Nasal bridge scissors
Tijeras para dorso nasal
Ciseaux pour le dos nasal
Forbici per dorso nasale

Obwegeser





21 cm - 8¼″	21 cm - 8¼″	21 cm - 8¼″
67.65.27	**67.65.28**	**67.65.29**

Obwegeser

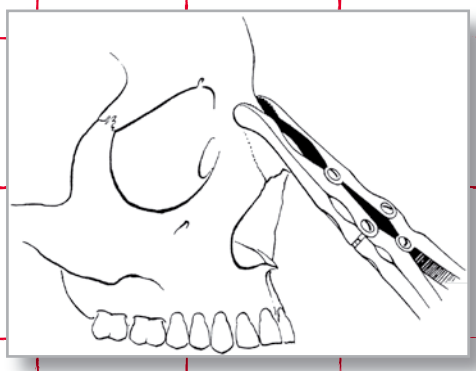
Zur Reduzierung des Winkels zwischen Nase und Stirn.
Dies wird durch delikates Abbeißen (Nagen) des Knochens bewerkstelligt.

For the reduction of the angle between nose and forehead
by delicate biting of the bone.

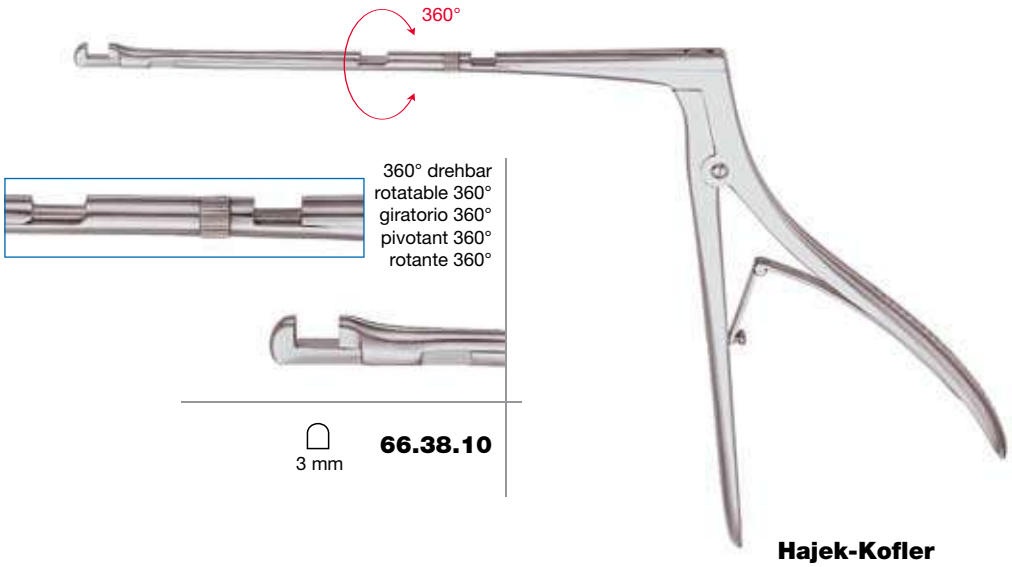
Para reducir el ángulo entre nariz y frentea
través de morder delicadamente el hueso.

Utilisées pour la réduction de l'angle entre le nez et le front,
en arrachant l'os d'une façon délicate.

Per la riduzione dell'angolo tra naso e fronte.
Questo avviene tramite un delicato rosicchiare dell'osso.



16 cm – 6½″

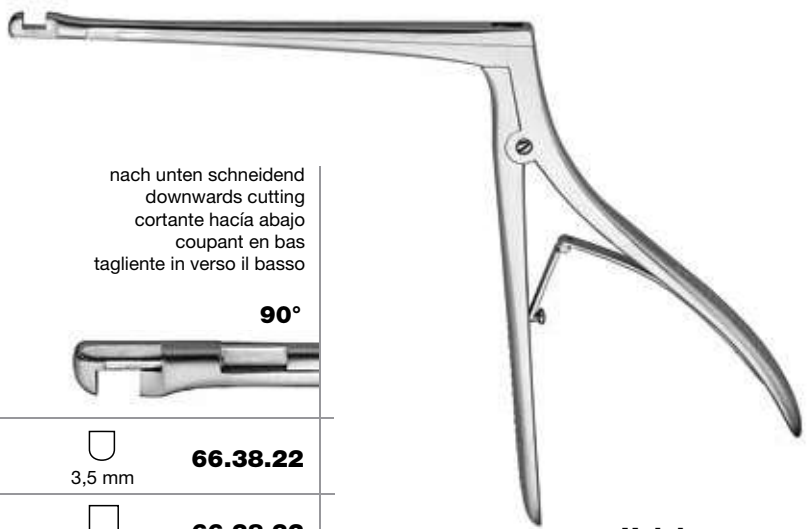


360° drehbar
rotatable 360°
giratorio 360°
pivotant 360°
rotante 360°

3 mm	**66.38.10**

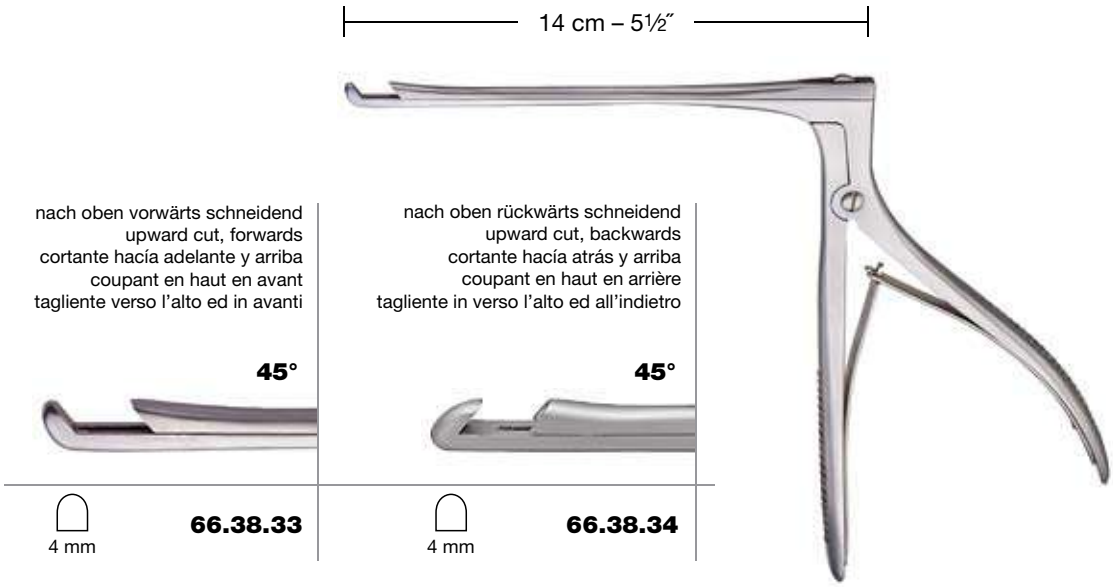
Hajek-Kofler

14 cm – 5½″

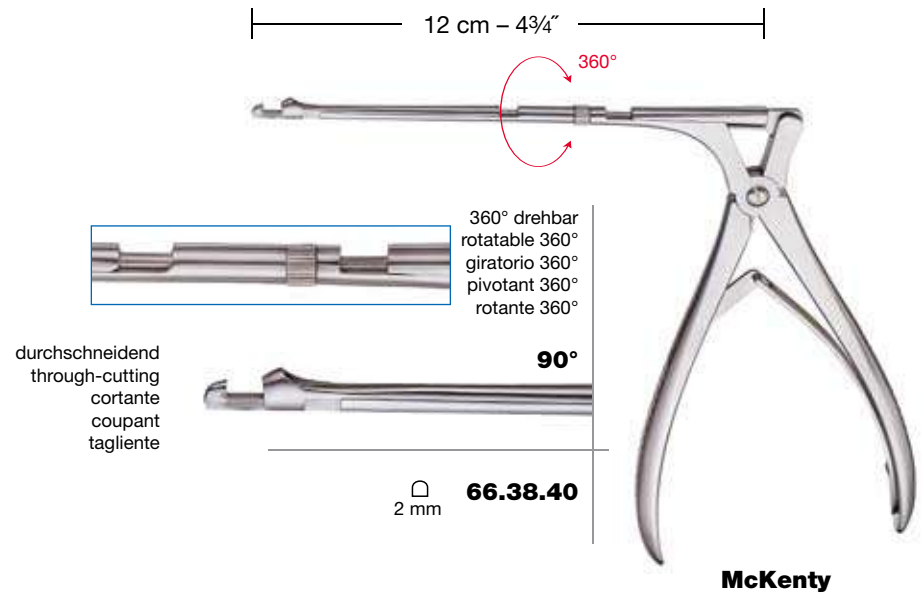


nach oben schneidend upwards cutting cortante hacía arriba coupant en haut tagliente in verso l'alto	nach unten schneidend downwards cutting cortante hacía abajo coupant en bas tagliente in verso il basso
90°	**90°**
	
3,5 mm **66.38.21**	3,5 mm **66.38.22**
4,0 mm **66.38.31**	4,0 mm **66.38.32**

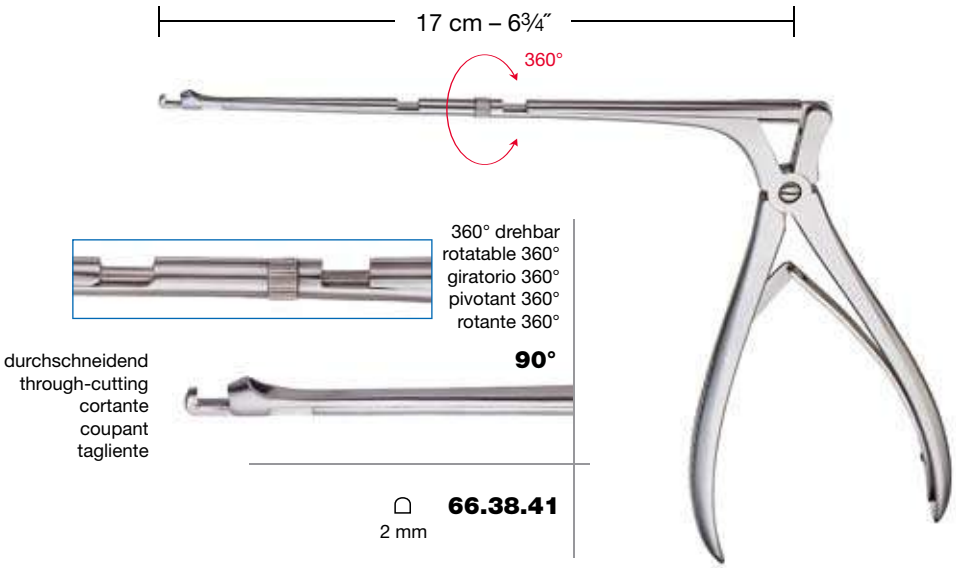
Hajek



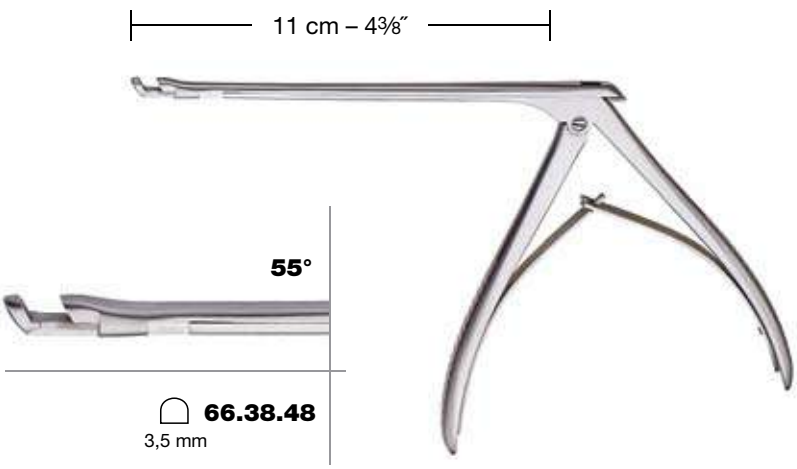
Hajek

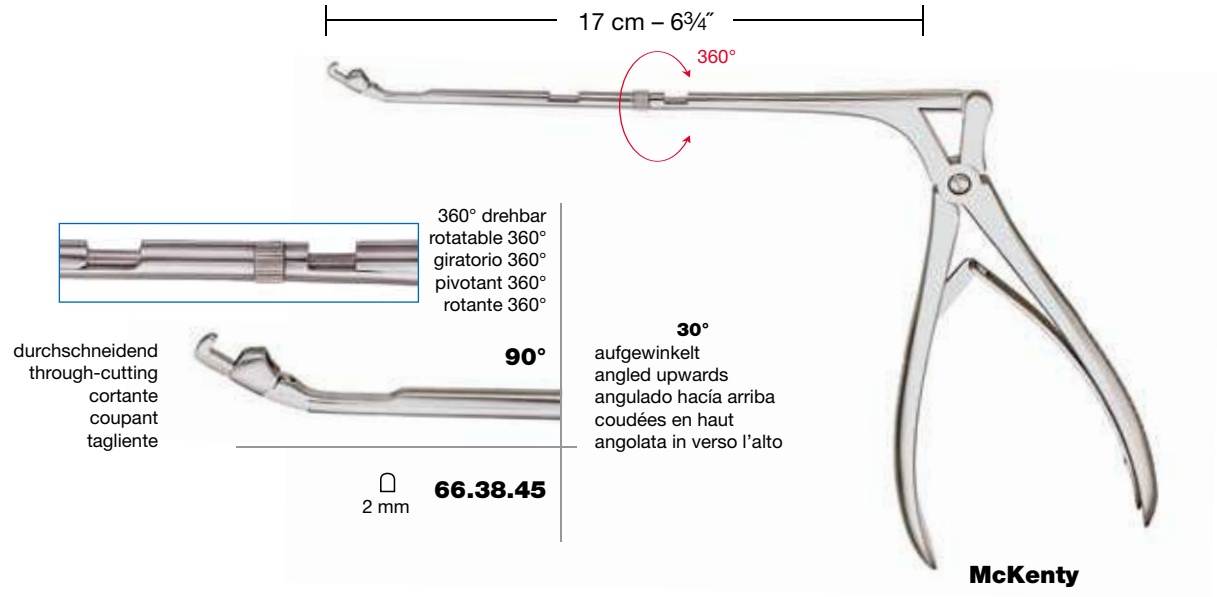


McKenty


17 cm – 6¾″
360°
360° drehbar
rotatable 360°
giratorio 360°
pivotant 360°
rotante 360°
90°
durchschneidend
through-cutting
cortante
coupant
tagliente
66.38.41
2 mm

McKenty


11 cm – 4⅜″
55°
66.38.48
3,5 mm


17 cm – 6¾″
360°
360° drehbar
rotatable 360°
giratorio 360°
pivotant 360°
rotante 360°
durchschneidend
through-cutting
cortante
coupant
tagliente
90°
30°
aufgewinkelt
angled upwards
angulado hacía arriba
coudées en haut
angolata in verso l'alto
2 mm
66.38.45
McKenty

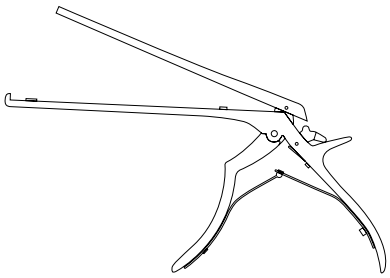

durchschneidend
through-cutting
cortante
coupant
tagliente
20 cm - 8″
66.38.50
Hajek-Claus

10 cm – 4″



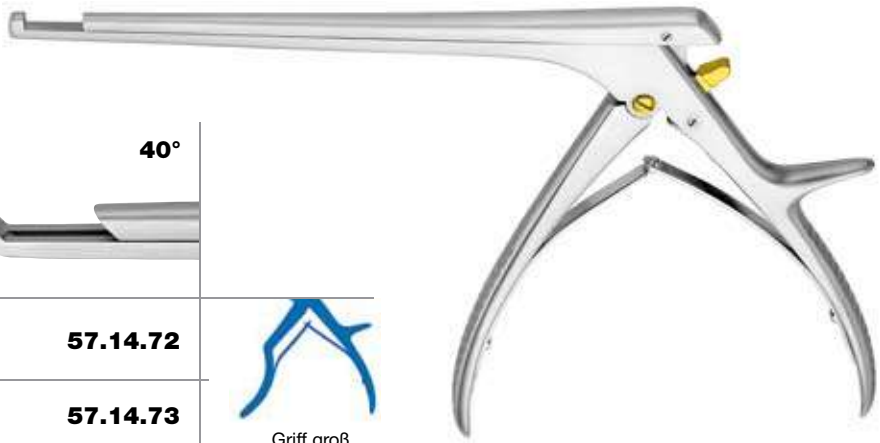
3 mm **66.38.55**

Kerrison-Costen



demontierbar
dismantable
desmontable
démontables
smontabili

18 cm – 7⅛″



	90°	40°
		
2 mm	**57.14.52**	**57.14.72**
3 mm	**57.14.53**	**57.14.73**

Griff groß
Large handle
Mango grande
Manche grand
Manico grande

Kerrison (Love)

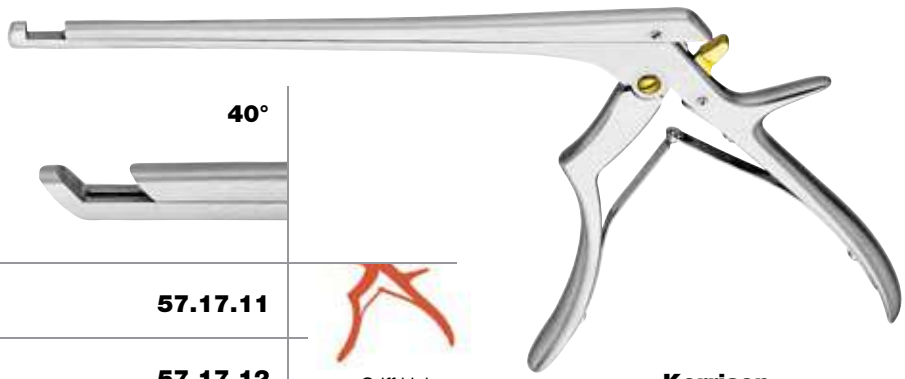


Griff groß
Large handle
Mango grande
Manche grand
Manico grande



Griff klein
Small handle
Mango pequeño
Manche petit
Manico piccolo

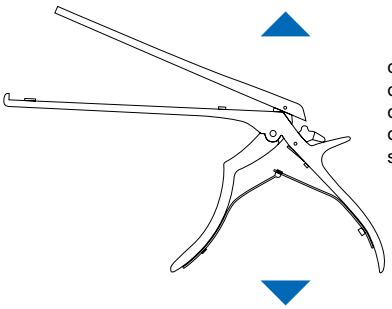
18 cm – 7⅛″



	90°	40°
1 mm		**57.17.11**
2 mm	**57.16.12**	**57.17.12**
3 mm	**57.16.13**	**57.17.13**

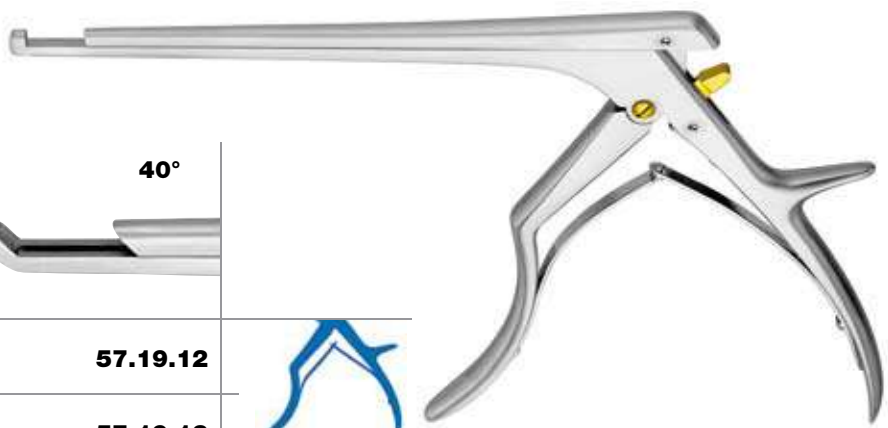
Griff klein
Small handle
Mango pequeño
Manche petit
Manico piccolo

Kerrison



demontierbar
dismantable
desmontable
démontables
smontabili

18 cm – 7⅛″



	90°	40°
2 mm	**57.18.12**	**57.19.12**
3 mm	**57.18.13**	**57.19.13**

Griff groß
Large handle
Mango grande
Manche grand
Manico grande

Kerrison (Love)

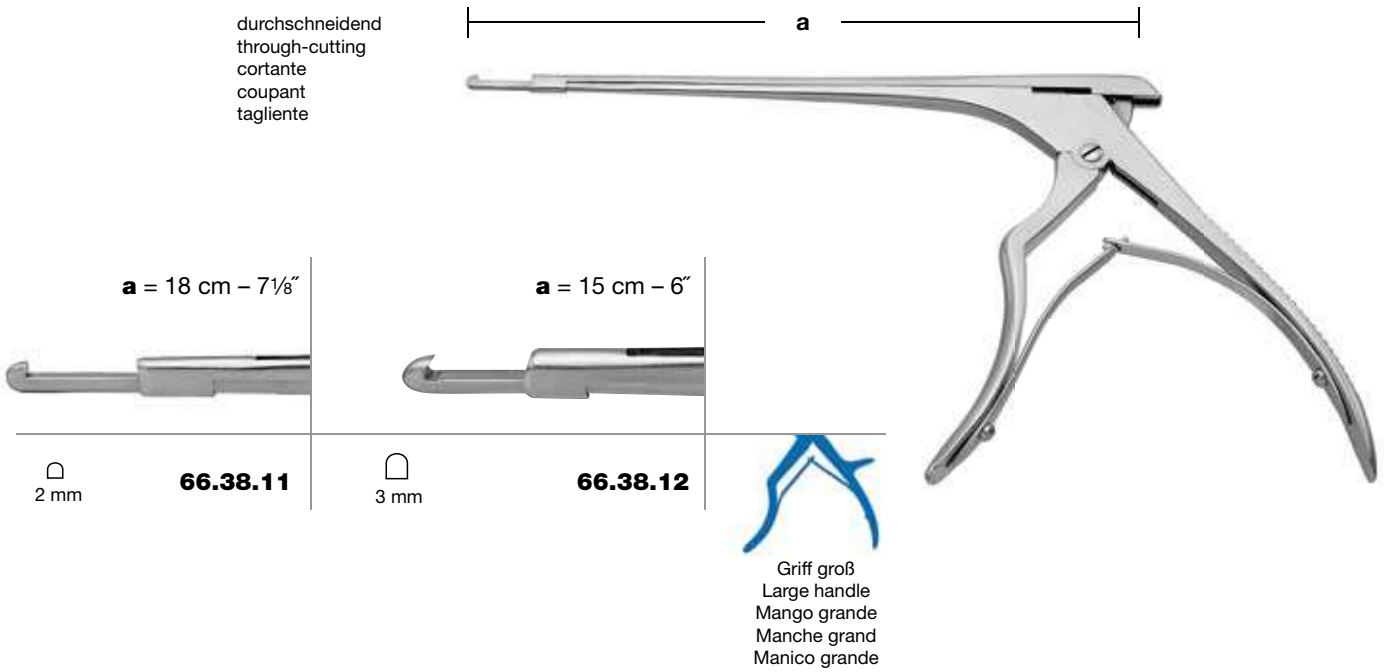


Griff groß
Large handle
Mango grande
Manche grand
Manico grande



Griff klein
Small handle
Mango pequeño
Manche petit
Manico piccolo

durchschneidend
through-cutting
cortante
coupant
tagliente



Griff groß
Large handle
Mango grande
Manche grand
Manico grande



66.38.15

Mandrin für Antrumstanzen mit Auswerfer
Mandril for antrum punches with ejector
Mandril para pinzas de antro con expulsor
Mandrin pour pinces emporte-pièce avec éjecteur
Mandrino per pinze per antro con espulsore

auch verwendbar für Stanzen mit Absaugkanal
can also be used for rongeurs (punches) with suction channel
también usable para pinzas con canal de aspiración
également utilisable pour pinces emporte-pièce avec canal de succion
utilizzabile anche per le pinze con canale aspirante



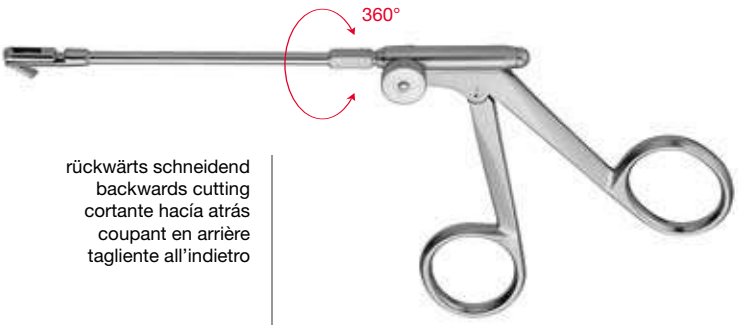
Griff groß
Large handle
Mango grande
Manche grand
Manico grande



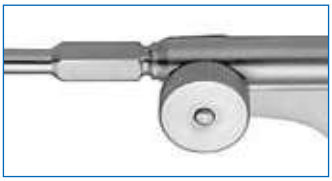
Griff klein
Small handle
Mango pequeño
Manche petit
Manico piccolo



10 cm – 4″



Ostrum



360° drehbar
rotatable 360°
giratorio 360°
pivotant 360°
rotante 360°

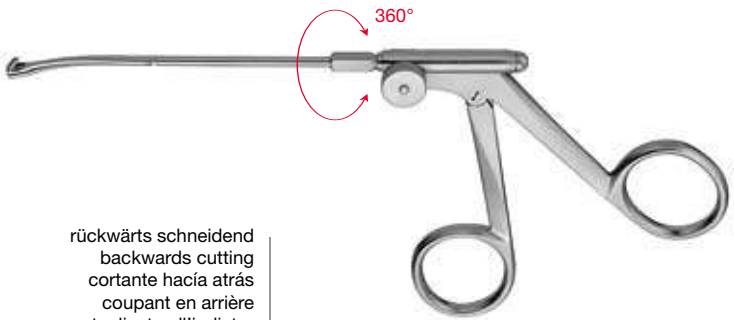
rückwärts schneidend
backwards cutting
cortante hacía atrás
coupant en arrière
tagliente all'indietro



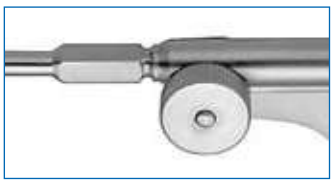
Schaft Shaft Vástago Tige Asta		
Ø 2,7 mm	1,5 mm	**66.32.58**
Ø 3,5 mm	2,5 mm	**66.32.63**

Schaft Shaft Vástago Tige Asta	Ø **2,7** mm
	Ø **3,5** mm

10 cm – 4″



Ostrum



360° drehbar
rotatable 360°
giratorio 360°
pivotant 360°
rotante 360°

rückwärts schneidend
backwards cutting
cortante hacía atrás
coupant en arrière
tagliente all'indietro

90°



1,5 mm		**66.32.65**

Schaft Shaft Vástago Tige Asta	Ø **2,7** mm



10 cm – 4″



Ostrum



360° drehbar
rotatable 360°
giratorio 360°
pivotant 360°
rotante 360°

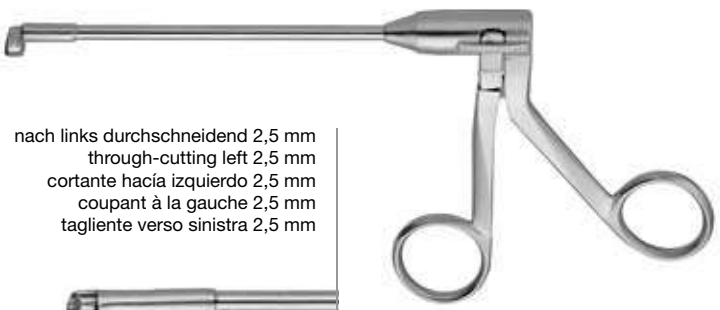
mit Fingerbewegung
finger movement
con movimiento a dedo
mouvable par doigt
con movimento a dita

rückwärts schneidend
backwards cutting
cortante hacía atrás
coupant en arrière
tagliente all'indietro

Schaft / Shaft / Vástago / Tige / Asta		
Ø 2,7 mm	1,5 mm	**66.32.59**
Ø 3,5 mm	2,5 mm	**66.32.64**

Schaft / Shaft / Vástago / Tige / Asta: Ø **2,7** mm | Ø **3,5** mm

10 cm – 4″



2,5 mm

nach rechts durchschneidend 2,5 mm
through-cutting right 2,5 mm
cortante hacía derecho 2,5 mm
coupant à la droite 2,5 mm
tagliente verso destra 2,5 mm

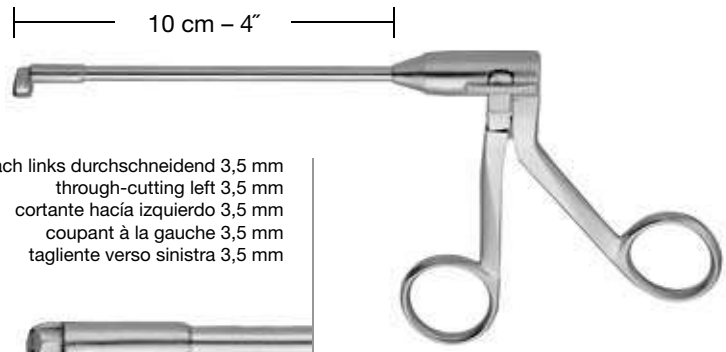
nach links durchschneidend 2,5 mm
through-cutting left 2,5 mm
cortante hacía izquierdo 2,5 mm
coupant à la gauche 2,5 mm
tagliente verso sinistra 2,5 mm



	66.33.00	**66.33.01**
40°	**66.33.06**	**66.33.07**

Schaft / Shaft / Vástago / Tige / Asta: Ø **2,7** mm

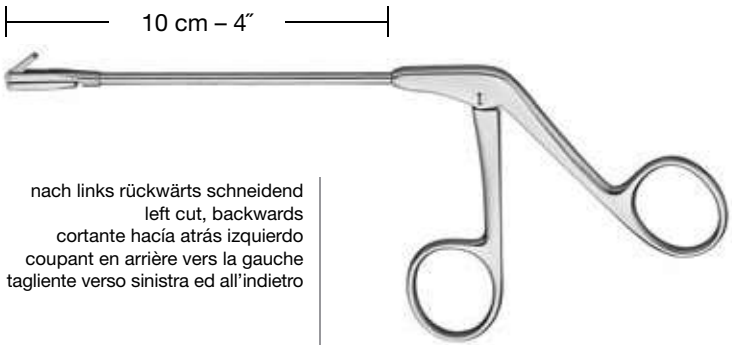




3,5 mm	nach rechts durchschneidend 3,5 mm through-cutting right 3,5 mm cortante hacía derecho 3,5 mm coupant à la droite 3,5 mm tagliente verso destra 3,5 mm	nach links durchschneidend 3,5 mm through-cutting left 3,5 mm cortante hacía izquierdo 3,5 mm coupant à la gauche 3,5 mm tagliente verso sinistra 3,5 mm
		
	**66.33.03**	**66.33.04**
40° 	**66.33.09**	**66.33.10**

Schaft
Shaft
Vástago
Tige
Asta
ø **4,0** mm

Antrumstanzen
Antrum punches
Pinzas saca bocadas del antro
Pinces emporte-pièce pour l'antre
Pinze per antro



nach oben rückwärts schneidend upward cut, backwards cortante hacía atrás y arriba coupant en haut en arrière tagliente verso l'alto ed all'indietro	nach rechts rückwärts schneidend right cut, backwards cortante hacía atrás derecho coupant en arrière vers la droite tagliente verso destra ed all'indietro	nach links rückwärts schneidend left cut, backwards cortante hacía atrás izquierdo coupant en arrière vers la gauche tagliente verso sinistra ed all'indietro
		
2,5 mm **66.32.51**	2,5 mm **66.32.52**	2,5 mm **66.32.53**

Schaft
Shaft
Vástago
Tige
Asta
ø **3,2** mm



10 cm – 4″

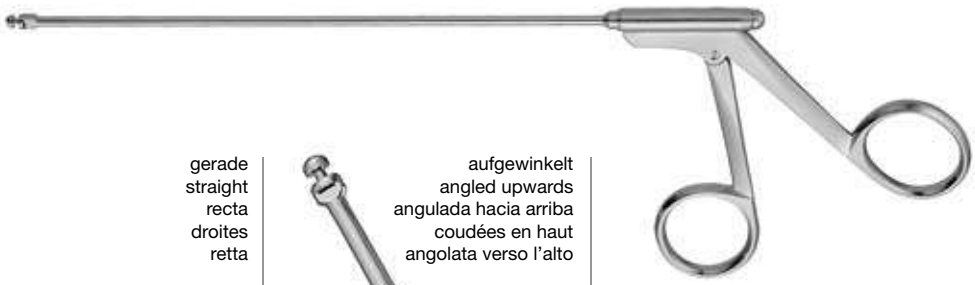


Ostrum

nach oben rückwärts schneidend upward cut, backwards cortante hacía atrás y arriba coupant en haut en arrière tagliente verso l'alto ed all'indietro	nach rechts rückwärts schneidend right cut, backwards cortante hacía atrás derecho coupant en arrière vers la droite tagliente verso destra ed all'indietro	nach links rückwärts schneidend left cut, backwards cortante hacía atrás izquierdo coupant en arrière vers la gauche tagliente verso sinistra ed all'indietro
		
1,5 mm **66.32.55**	1,5 mm **66.32.56**	1,5 mm **66.32.57**
2,5 mm **66.32.60**	2,5 mm **66.32.61**	2,5 mm **66.32.62**

Schaft
Shaft
Vástago
Tige
Asta
ø **2,7** mm
ø **3,5** mm

16 cm – 6¼″



gerade straight recta droites retta	aufgewinkelt angled upwards angulada hacia arriba coudées en haut angolata verso l'alto **60°**
	
Ø 3,5 mm **66.33.20**	**66.33.21**
Ø 4,5 mm **66.33.23**	**66.33.24**

Schaft
Shaft
Vástago
Tige
Asta
ø **2,7** mm



mit Mandrin
with guide
con mandril
avec mandrin
con mandrino

10 cm – 4″



Ostrum

nach oben rückwärts schneidend upward cut, backwards cortante hacía atrás y arriba coupant en haut en arrière tagliente verso l'alto ed all'indietro	nach rechts rückwärts schneidend right cut, backwards cortante hacía atrás derecho coupant en arrière vers la droite tagliente verso destra ed all'indietro
	
2,0 mm **66.32.70**	2,0 mm **66.32.71**
2,5 mm **66.32.74**	2,5 mm **66.32.75**

Schaft
Shaft
Vástago
Tige
Asta
ø **4,0** mm
ø **5,0** mm

mit Mandrin
with guide
con mandril
avec mandrin
con mandrino

10 cm – 4″



Ostrum

nach links rückwärts schneidend left cut, backwards cortante hacía atrás izquierdo coupant en arrière vers la gauche tagliente verso sinistra ed all'indietro	nach oben rückwärts schneidend, gebogen upward cut, backwards, curved cortante hacía atrás y arriba, curva coupant en haut en arrière, courbes tagliente verso l'alto ed all'indietro, curva
	
2,0 mm **66.32.72**	2,0 mm **66.32.73**
2,5 mm **66.32.76**	2,5 mm **66.32.77**

Schaft
Shaft
Vástago
Tige
Asta
ø **4,0** mm
ø **5,0** mm



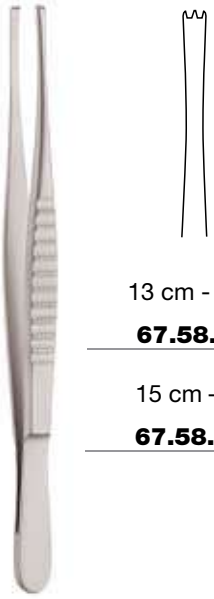
mit Absaugung
with suction
con aspiración
à succion
con aspirazione

Gewebefasszange
Tissue grasping forceps
Pinza para agarrar tejidos
Pince à saisir les tissus
Pinza per afferrare tessuti



15,5 cm - 6⅛″
67.58.45

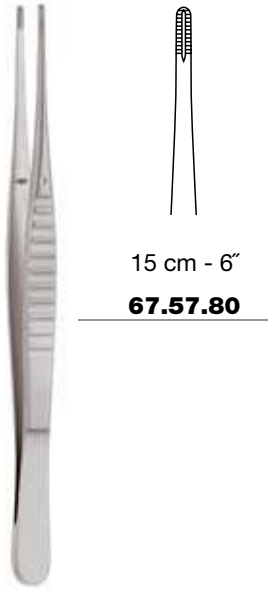
Fox



13 cm - 5⅛″
67.58.13

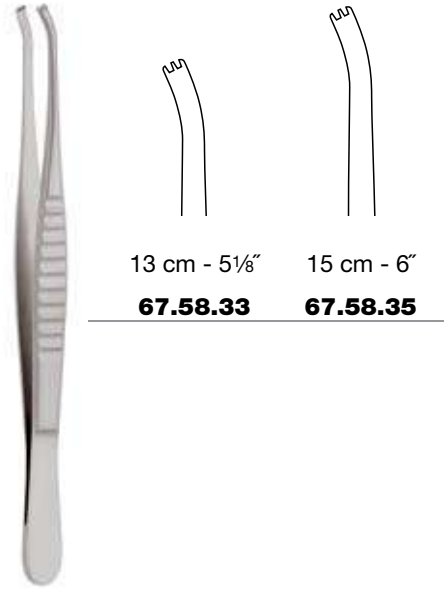
15 cm – 6″
67.58.15

Fox



15 cm - 6″
67.57.80

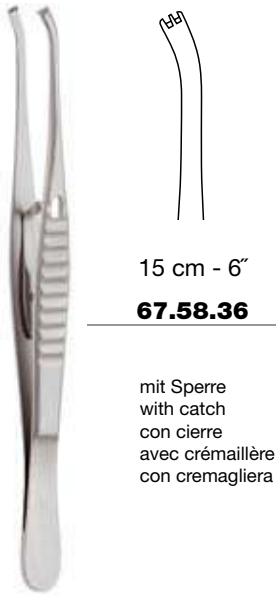
Cottle



13 cm - 5⅛″
67.58.33

15 cm - 6″
67.58.35

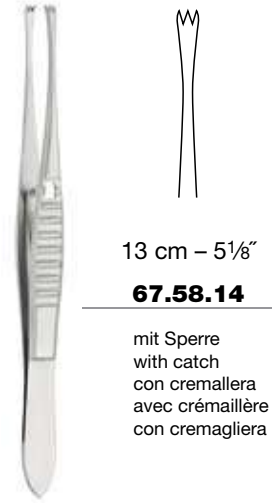
Fox



15 cm - 6″
67.58.36

mit Sperre
with catch
con cierre
avec crémaillère
con cremagliera

Fox



13 cm – 5⅛″

67.58.14

mit Sperre
with catch
con cremallera
avec crémaillère
con cremagliera

Fox



15 cm - 6″

67.58.50

Cottle



13 cm – 5⅛″

67.58.43

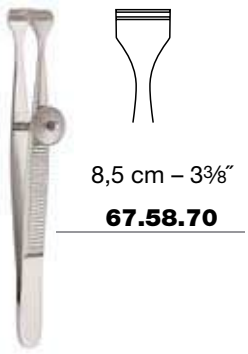
Hinderer



11 cm – 4⅜″

67.58.60

Cottle



8,5 cm – 3⅜″

67.58.70

Masing

Columella-Klemmen
Columella forceps
Pinzas para columela
Pinces pour columelle
Pinze per columella



	3 mm	4 mm	5 mm	6 mm
	19 cm – 7½″	19 cm – 7½″	19 cm – 7½″	19 cm – 7½″
❶	**66.50.03**	**66.50.04**	**66.50.05**	**66.50.06**
	20 cm – 8″	20 cm – 8″	20 cm – 8″	20 cm – 8″
❷	**66.50.13**	**66.50.14**	**66.50.15**	**66.50.16**

Ballenger



Schwingmesser
Swivel knives
Cuchillos para el tabique nasal
Couteaux pour la cloison nasale
Coltelli per setto con lama girevole

Ballenger





15 cm – 6″
66.52.05

Freer



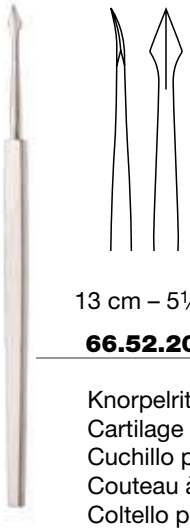


"D"

16 cm – 6¼″
66.52.10

Septummesser
Septum knife
Cuchillo para el tabique nasal
Couteau pour cloison nasale
Coltello per setto nasale

Freer



13 cm – 5⅛″

66.52.20

Knorpelritzmesser
Cartilage knife
Cuchillo para rayar cartilagos
Couteau à cartilage
Coltello per scalfire cartilagine

Masing



66.52.56
Ersatzklinge
Spare blade
Hoja de repuesto
Lame de rechange
Lama di ricambio

16 cm – 6¼″

66.52.55

Septummesser, verstellbar
Septum knife, adjustable
Cuchillo para tabique nasale, ajustable
Couteau pour la cloison nasale, ajustable
Coltello per il setto nasale, regolabile

Brünings



19 cm – 7½″

66.52.60

Septummesser
Septum knife
Cuchillo para el tabique nasal
Couteau pour la cloison nasale
Coltello per il setto nasale

Freer

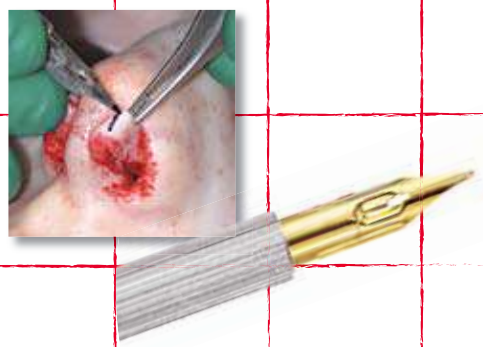


17 cm – 6¾″

66.52.70

Submukosamesser
Submucosa knife
Cuchillo para submucosa
Couteau pour submuqueuse
Coltello per submucosa

Freer-Ingals



Gubisch

Zur Makierung von Inzisionslinien auf der Haut/Schleimhaut.
For marking incision lines on the skin/mucous membrane.
Para marcar líneas de incisión en la piel/mucosa.
Pour le repérage des traits d'incision sur la peau/la muqueuse.
Per marcare le linee di incisione sulla cute e sulla mucosa.

Verpackungseinheit 10 Stück
Packing unit 10 pieces
Paquete de 10 unidades
Emballage de 10 pièces
Confezione da 10 pezzi



44.90.72

Feder
Pen
Pluma
Plume
Piuma



13 cm - 5⅛″

44.90.70

Federhalter
Pen holder
Porta-plumas
Porte-plume
Porta-piuma





14 cm – 5½″

67.10.20

Septummesser
Septum knife
Cuchillo para el tabique nasal
Couteau pour cloison nasale
Coltello per setto nasale

Cottle





15 cm – 6″

67.10.30

Joseph





15 cm – 6″

67.10.35

Converse

Gubisch

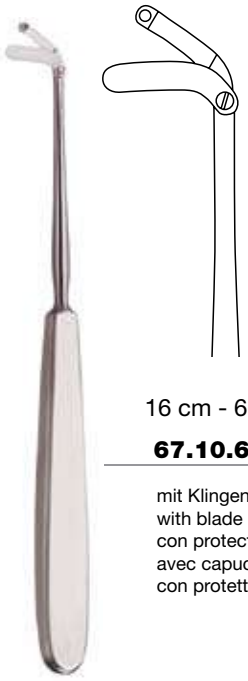


16 cm - 6¼″

67.10.60

Septum-Knorpelmesser
Septum cartilage knife
Cuchillo para cartilago del tabique nasal
Couteau à cartilages de la cloison nasale
Coltello per cartilagine del setto nasale

Joseph

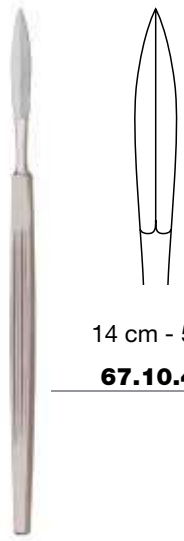


16 cm - 6¼″

67.10.65

mit Klingenschutz
with blade guard
con protector de hoja
avec capuchon protecteur
con protettore di lama

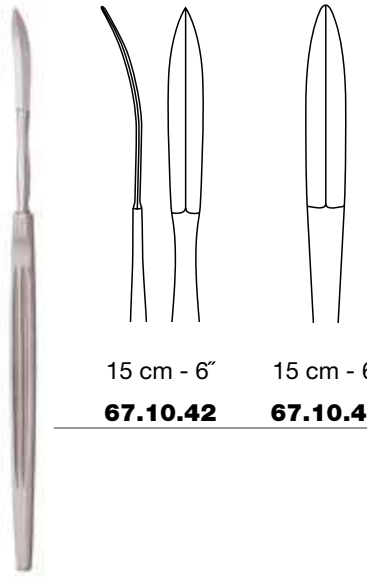
Maltz



14 cm - 5½″

67.10.40

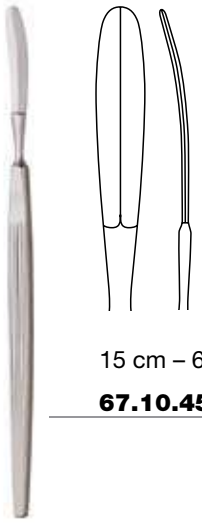
Cottle



15 cm - 6″ **67.10.42**

15 cm - 6″ **67.10.43**

Joseph



15 cm – 6″

67.10.45

Fomon



Zur Präparation von Vollhauttransplantaten
For the preparation of full thickness skin grafts
Para la preparación de injertos de piel entera
Pour la préparation de greffes de peau entière
Per la preparazione di innesti della pelle intera

19 cm - 7½″

67.14.15

Kasten



Neue Präparationsmethode
New method of preparation
Nuevo método de preparación
La nouvelle méthode de préparation
Nuovo metodo di preparazione



Konventionelle Präparationsmethode
Conventional method of preparation
Método de preparación convencional
Méthode de préparation conventionnelle
Metodo di preparazione convenzionale

Präparationsplatte
Preparation plate
Base de preparación
Plateau de préparation
Lastra di preparazione

67.14.20



200 × 130 × 11 mm

Ersatzklinge
Spare blade
Hoja de repuesto
Lame de rechange
Lama di ricambio



6,5 cm - 2½″

67.14.25

Verpackungseinheit 10 Stück
Packing unit 10 pieces
Paquete de 10 unidades
Emballage de 10 pièces
Confezione da 10 pezzi

Weitere Informationen auf Anfrage
Further information on request
Más informaciónes a petición
Plus d' informations sur demande
Ulteriori Informazioni su richiesta

Dermatome
Dermatomes
Dermatomos
Dermatomes
Dermatomi

	Schnittstärke Thickness of cut Grosor del corte Epaisseur de la coupe Spessore del taglio	Schnittbreite Width of cut Ancho del corte Largeur de la coupe Larghezza del taglio
67.14.30	0,1 - 1,2 mm	155 mm (max.)
67.14.35	0,1 - 2,0 mm	155 mm (max.)



32 cm - 12½″

67.14.30

Humby



30,5 cm - 12″

67.14.35

Watson



Ersatzklinge
Spare blade
Hoja de repuesto
Lame de rechange
Lama di ricambio

15,5 cm - 6⅛″

67.14.31

Verpackungseinheit 10 Stück
Packing unit 10 pieces
Paquete de 10 unidades
Emballage de 10 pièces
Confezione da 10 pezzi



Dermatom mit 2 Spannplatten
Dermatome with 2 stretching plates
Dermatomo con 2 placas tensoras
Dermatome avec 2 plaques à tendre
Dermatomo con 2 piastre per tendere

Schnittstärke Thickness of cut Grosor del corte Epaisseur de la coupe Spessore del taglio	Schnittbreite Width of cut Ancho del corte Largeur de la coupe Larghezza del taglio
0,1 - 2,0 mm	100 mm (max.)

30 cm - 11¾″

67.14.50

Schink



13 × 7,5 cm

67.14.52

Haut-Spannplatte
Skin stretching plate
Placa tensora de membrana
Plaques pour tendre la peau
Piastra per tendere la pelle

10 cm - 4″

67.14.51

Ersatzklinge
Spare blade
Hoja de repuesto
Lame de rechange
Lama di ricambio



Dermatom
Dermatome
Dermatomo
Dermatome
Dermatomo

Schnittstärke Thickness of cut Grosor del corte Epaisseur de la coupe Spessore del taglio	Schnittbreite Width of cut Ancho del corte Largeur de la coupe Larghezza del taglio
0,1 - 2,0 mm	40 mm (max.)

19 cm - 7½″

78.05.00

Silver

Ersatzklinge
Spare blade
Hoja de repuesto
Lame de rechange
Lama di ricambio



01.94.19

Verpackungseinheit 10 Stück
Packing unit 10 pieces
Paquete de 10 unidades
Emballage de 10 pièces
Confezione da 10 pezzi

Mucotom mit Intra-Kupplung
Mucotome with intra-coupling
Mucotomo con intra-acoplamiento
Mucotome avec intra-accouplement
Mucotomo con accoppiamento intra



Schnittstärke Thickness of cut Grosor del corte Epaisseur de la coupe Spessore del taglio	Schnittbreite Width of cut Ancho del corte Largeur de la coupe Larghezza del taglio	Motordrehzahl (U/min) Speed (rpm) Revoluciones del motor (r.p.m.) Nombre de tours (t.p.m.) Rotazione del motore (giri/minuto)
0,2 - 1,2 mm	22 mm (max.)	5.000

14 cm - 5½″

68.25.03

Steinhäuser

je Stufe per step por grado chacune degré per grado
(2-12) = 0,1 mm



Ersatzklinge
Spare blade
Hoja de repuesto
Lame de rechange
Lama di ricambio



68.25.15

Verpackungseinheit 10 Stück
Packing unit 10 pieces
Paquete de 10 unidades
Emballage de 10 pièces
Confezione da 10 pezzi

Klingenhaltepinzette mit Schraubendreher
Blade holding forceps with screwdriver
Pinza porta-hoja con destornillador
Pince porte-lame avec tournevis
Pinza portalama con cacciavite



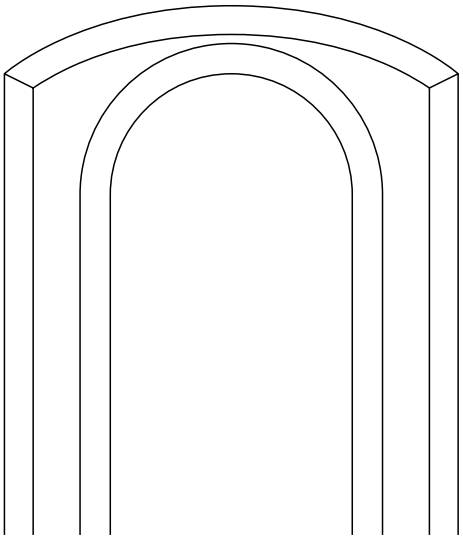
Schraubendreher für Klingenhalteschraube
Screwdriver for blade holding screw
Destornillador para tornillo fijador de la hoja
Tournevis pour vis de fixation
Cacciavite per vite serralama



11 cm - 4⅜″

68.25.17

Mucosa-Spanner mit Schleimhauthaken
Mucosa stretcher with mucosa retractor
Tensor de mucosa con separador de mucosa
Tendeur de muqueuse avec crochet pour muqueuse
Tenditore di mucosa con divaricatore per mucosa



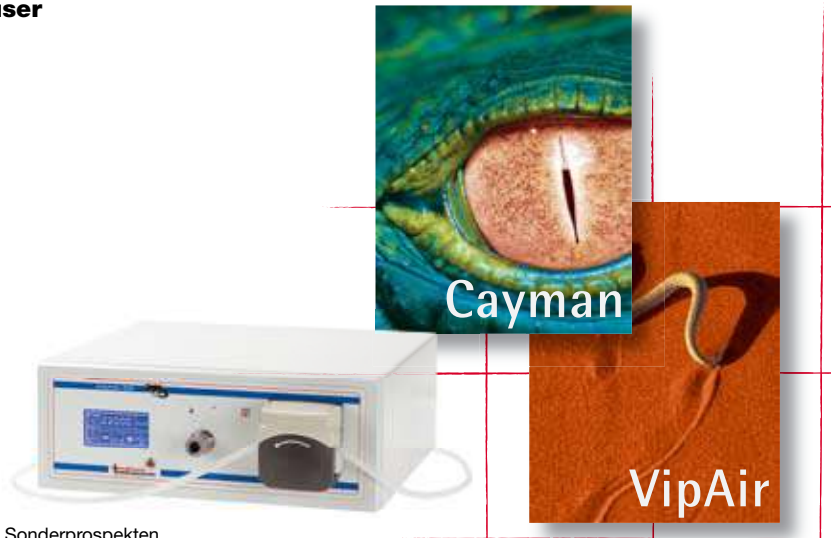


10 cm - 4″

68.25.20

68.25.21
Schleimhauthaken (allein)
Mucosa retractor (only)
Separador de mucosa (solo)
Crochet pour muqueuse (seul)
Divaricatore per mucosa (solo)

Steinhäuser



Advertisement

Weitere Mikromotor-Antriebsysteme finden Sie in unseren Sonderprospekten
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Más sistemas de motores se encuentra en nuestros folletos especializados
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Ulteriori sistemi micro motori si trovano nei nostri depliant speciali



Nasenflügelhäkchen
Alar retractors
Ganchos para las alas de la nariz
Crochets pour ailes du nez
Divaricatori per alette nasali

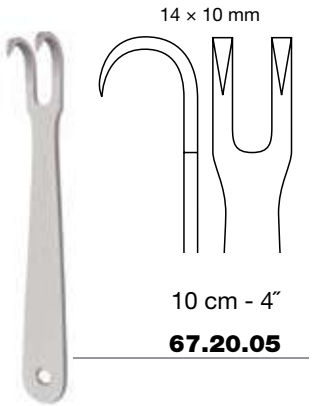


3 × 4 mm

15 cm - 6″

67.20.03

Cottle

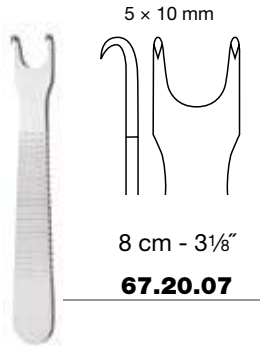


14 × 10 mm

10 cm - 4″

67.20.05

Kilner

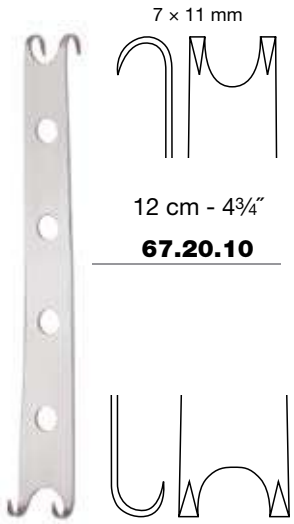


5 × 10 mm

8 cm - 3⅛″

67.20.07

Gubisch-Kilner



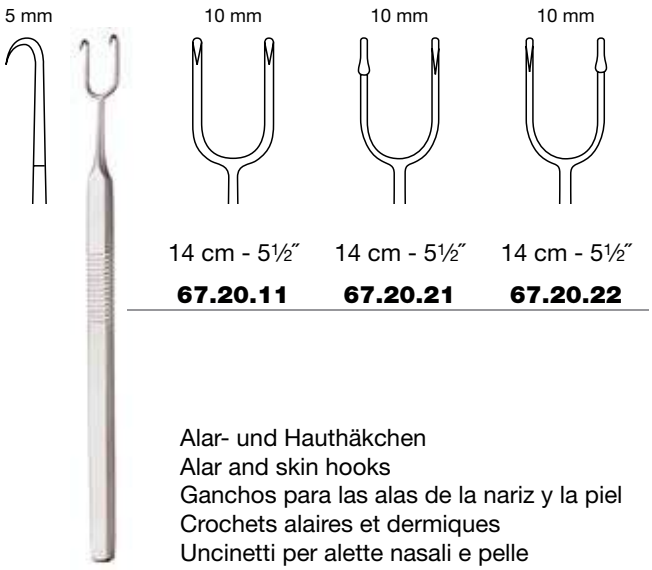
7 × 11 mm

12 cm - 4¾″

67.20.10

7 × 15 mm

Converse



5 mm

10 mm

10 mm

10 mm

14 cm - 5½″ **67.20.11**

14 cm - 5½″ **67.20.21**

14 cm - 5½″ **67.20.22**

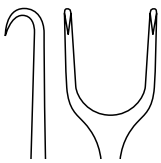
Alar- und Hauthäkchen
Alar and skin hooks
Ganchos para las alas de la nariz y la piel
Crochets alaires et dermiques
Uncinetti per alette nasali e pelle

Cottle

mit Fingerring
with finger ring
con anillo
avec bague
con anello



5 × 12 mm

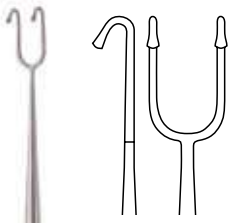


5,5 cm - 2⅛″

67.20.23

Millard (Cottle)

5 × 10 mm



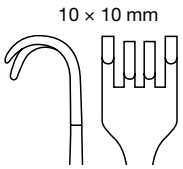


17 cm - 6¾″

67.20.25

Fomon

10 × 10 mm



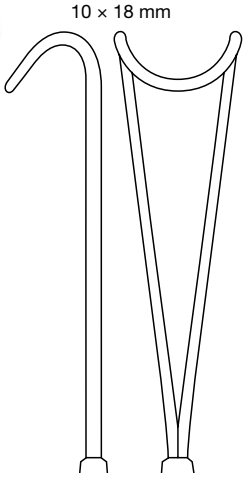


15 cm - 6″

67.20.44

Cottle

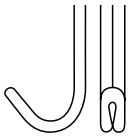
10 × 18 mm





20 cm - 8″

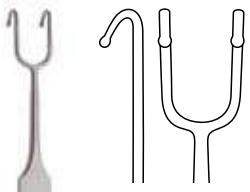
67.20.50



mit Führungsrinne
with guide channel
con estría de guía
avec cannelure
con scanalatura

Masing

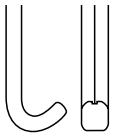
5 × 11 mm





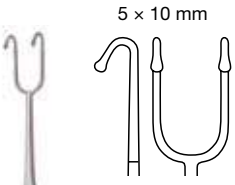
19 cm - 7½″

67.20.51



Neivert

5 × 10 mm



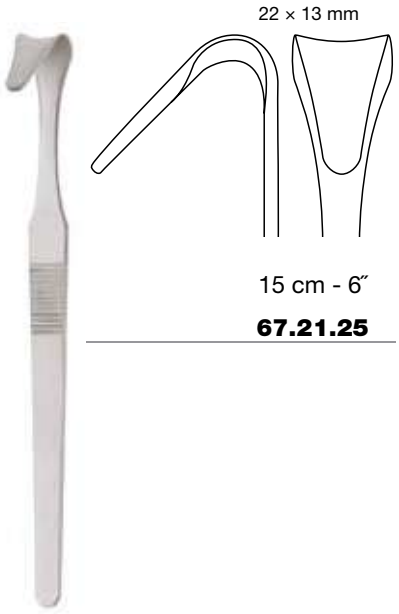


21 cm - 8¼″

67.20.52

Cottle-Neivert

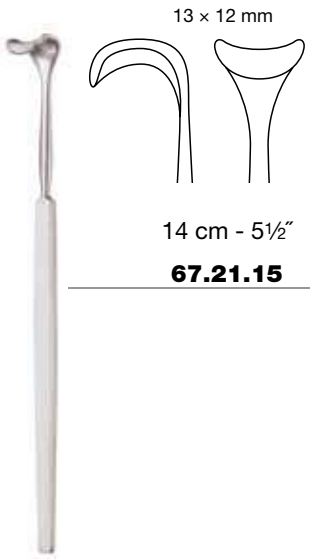
Nasenflügelhaken
Alar retractors
Separadores para las alas nasales
Ecarteurs pour ailes du nez
Divaricatori per alette nasali



15 cm - 6″

67.21.25

Cottle



14 cm - 5½″

67.21.15

Cottle



17 cm - 6¾″

67.21.33

Gubisch-Aufricht



18 cm - 7⅛″

67.21.35

Aufricht



13,5 cm - 5⅜″

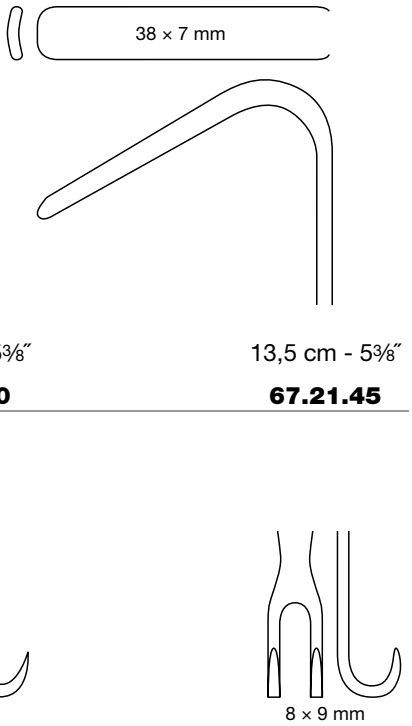
67.21.38

Aufricht



13,5 cm - 5⅜″

67.21.40



13,5 cm - 5⅜″

67.21.45

Aufricht-Walter



18,5 cm - 7¼″

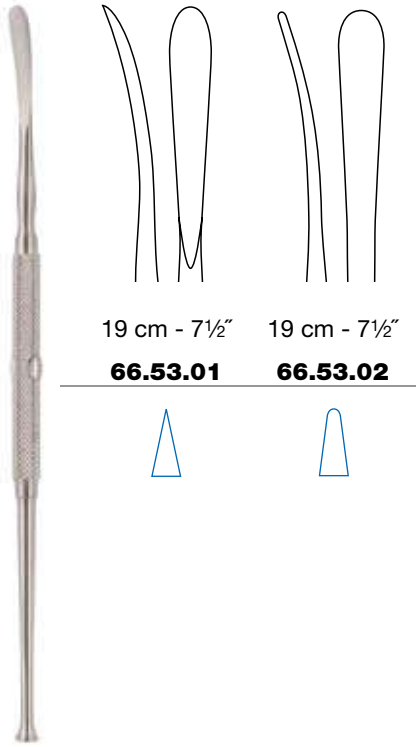
67.21.30

Wundhaken mit Kaltlichtbeleuchtung
Retractor with fiber optic illumination
Separadores con iluminación de luz fría
Ecarteur avec illumination à lumière froide
Divaricatore con illuminazione a luce fredda

inklusive Adapter zum Anschluß für Lichtleitkabel
including adapter for connection to fiber optic cable
incluyendo el adaptador para la conexión con cable fibra óptica
avec adaptateur pour brancher le câble conducteur de lumière en fibres de verre
compreso adattatore per l'attacco di cavi luce fredda

MEDICON/ STORZ · WOLF · ACMI

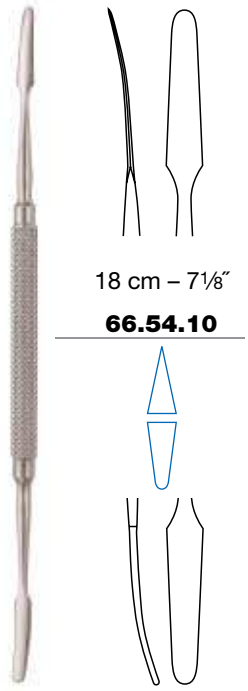
Walter



19 cm - 7½″ **66.53.01**

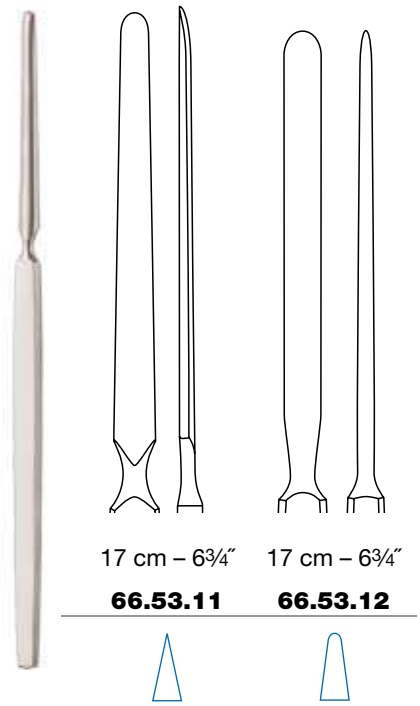
19 cm - 7½″ **66.53.02**

Freer



18 cm – 7⅛″ **66.54.10**

Killian



17 cm – 6¾″ **66.53.11**

17 cm – 6¾″ **66.53.12**

Killian

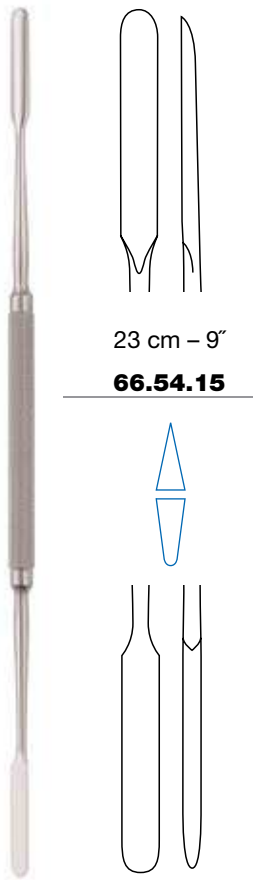


17 cm – 6¾″ **66.53.32**

Halle

scharf
sharp
cortante
tranchant
tagliente

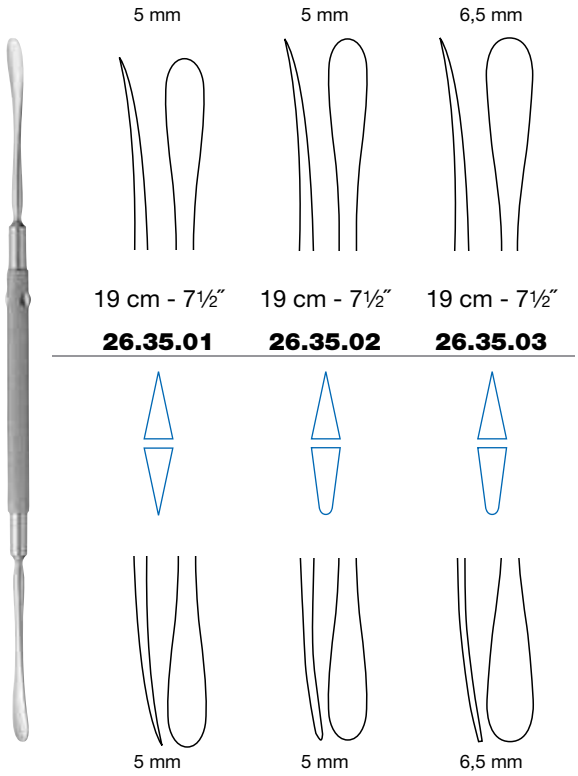
stumpf
blunt
romo
mousse
smussa



23 cm – 9″

66.54.15

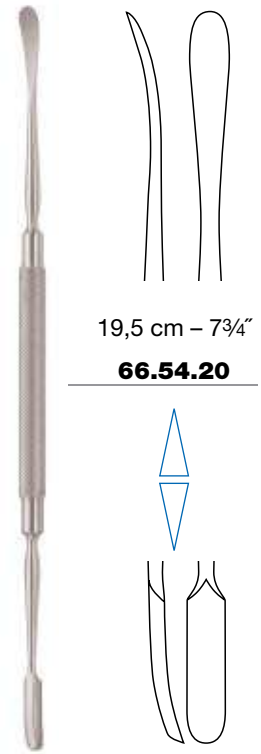
Killian



Freer

scharf
sharp
cortante
tranchant
tagliente

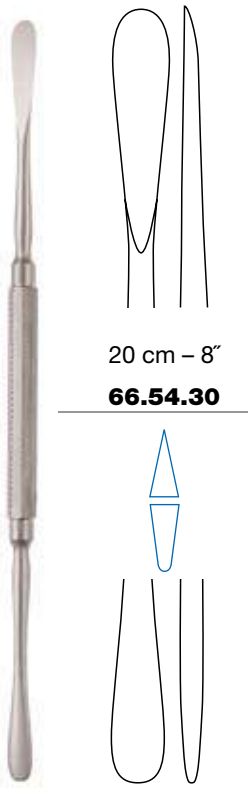
stumpf
blunt
romo
mousse
smussa



19,5 cm – 7¾″

66.54.20

Freer-Joseph



20 cm – 8″

66.54.30

Hajek-Ballenger



21,5 cm – 8½″

66.54.40

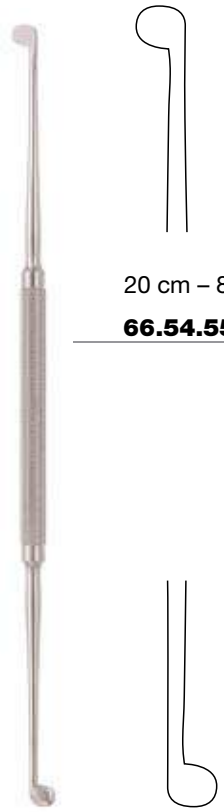
Howarth



20 cm – 8″

66.54.50

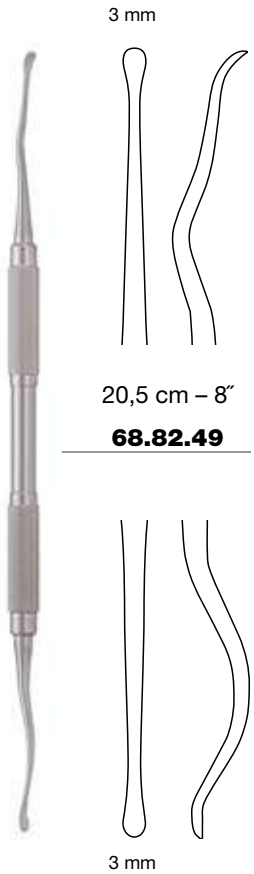
Pennington

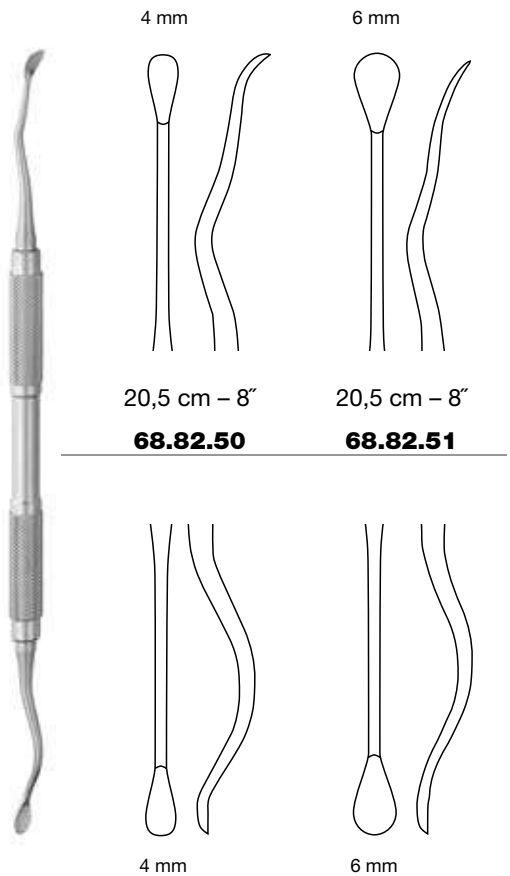


20 cm – 8″

66.54.55

Pierce


3 mm
20,5 cm – 8″
68.82.49
3 mm


4 mm
6 mm
20,5 cm – 8″
68.82.50
20,5 cm – 8″
68.82.51
4 mm
6 mm

Eine wichtige Voraussetzung für eine erfolgreiche Sinusbodenelevation ist das atraumatische Ablösen der Kieferhöhlenschleimhaut von der basalen knöchernen Begrenzung. Mit dem vorliegenden Instrument kann, nach vorsichtigem Umfräsen des knöchernen Deckels, die Kieferhöhlenschleimhaut von der Fräskante aus schrittweise mobilisiert werden. Durch die Möglichkeit, das biegsame Instrument an die individuellen Bedürfnisse anzupassen, wird unterschiedlichen Zugangswegen und persönlichen Gewohnheiten bei der Operation Rechnung getragen. Es können auch mehrere Instrumente in individuell gewünschte, unterschiedliche Formen gebogen werden. Nach der initialen Mobilisierung der Schleimhaut um das vestibuläre Kieferhöhlenfenster kann die anhaftende Mukosa mit dem Periost dann mit dem größeren Arbeitsende flächenhaft und atraumatisch abgehoben werden, bis das vestibuläre Knochenfenster in die Kieferhöhle eingeschlagen werden kann. Auf diese Weise bleibt die basale Sinusschleimhaut intakt, so dass das Augmentationsmaterial ungestört einheilen kann.

The success of sinus floor elevation depends heavily on the atraumatic detachment of the maxillary sinus mucous membrane from the basal osseous boundary. After careful milling around the osseous lid, using this instrument it is possible to mobilize the mucous membrane of the maxillary sinus step by step from the milled edge. As the instrument is designed for maximum flexibility, it permits adjustment to inividual requirements and so lends itself to different approaches and methods personally preferred by the surgeon. Various instruments can also be bent to individually specified varying forms. Following initial mobilization of the mucous membrane around the vestibular window of the maxillary sinus, it is possible to lift the adhering mucosa with the periosteum atraumatically using the flat of the wide working end until the vestibular window can be punched in the maxillary sinus. In this way, the basal sinus mucous membrane remains intact, allowing undisturbed healing of the augmentation material.

Una condición previa importante para el éxito de la elevación de la base del seno es la separación atraumática de la mucosa del seno maxilar de la limitación ósea basal. Con el presente instrumento se puede movilizar la mucosa del seno maxilar, desde el borde fresado, paso a paso, después de fresar con cuidado la cubierta ósea. Mediante la posibilidad de adaptar el instrumento flexible a las necesidades individuales, se tienen en cuenta, en la operación, diversas vías de acceso y costumbres personales. Se pueden doblar también varios instrumentos en diversas formas individuales que se deseen. Después de la movilización inicial de la mucosa alrededor de la ventana vestibular del seno maxilar, se puede levantar la mucosa adherente con el periostio, con el extremo de trabajo más grande, de forma superficial y atraumática, hasta que se puede realizar la ventana ósea vestibular en el seno maxilar. De esta forma la mucosa del seno basal permanece intacta, con lo que el material de injerto puede prender sin complicaciones.

Une condition importante pour assurer le succès de l'élévation du fond sinusal est le détachement atraumatique de la muqueuse du sinus maxillaire de la limitation osseuse basale. Le présent instrument permet, après fraisage soigneux à la périphérie du couvercle osseux, de mobiliser progressivement la muqueuse du sinus maxillaire en partant du bord de fraisage. L'instrument flexible s'adapte aux besoins personnels, ce qui permet de tenir compte des différentes voies d'accès et des habitudes personnelles lors de l'opération. Il est également possible de donner à plusieurs instruments différentes formes personnelles. Après la mobilisation initiale de la muqueuse autour de la fenêtre du sinus maxillaire, la muqueuse adhérente avec le périoste peut alors être soulevée en surface et atraumatiquement, à l'aide de la grande extrémité de travail, jusqu'à ce que la fenêtre osseuse vestibulaire puisse être enfoncée dans le sinus maxillaire. De cette façon, la muqueuse sinusale basale reste intacte, ce qui permet à „l'augmentation" de cicatriser sans perturbations.

Una premessa importante per la buona riuscita dell'elevazione della cavità sinusale è la rimozione atraumatica della membrana contenuta nella cavità orale inferiore dal confine osseo basale. Con questo strumento la membrana può essere mobilizzata gradualmente tramite una delicata fresatura dello strato osseo. In virtù della sua flessibilità, lo strumento può essere adattato ad ogni esigenza; molteplici sono pertanto durante l'operazione le modailtà di approccio e utilizzo. Più strumenti possono inoltre essere flessi a scelta in forme diverse. Dopo la mobilizzazione iniziale della membrana lungo il perimetro della cavità orale inferiore, la mucosa aderente al periostio può essere staccata dolcemente e senza traumi, finché il perimetro osseo vestibolare arriva a toccare la cavità orale inferiore. La membrana della cavità sinusale resta in tal modo intatta, e l'escrescenza può venire assimilata.



20 cm – 8″

66.59.70

Raspatorium
Raspatory
Legra
Rugine
Periostotomo

Sewall

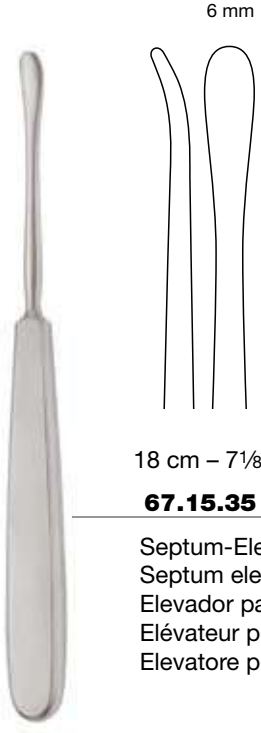


16,5 cm – 6½″

26.44.04

Raspatorium
Raspatory
Legra
Rugine
Periostotomo

Joseph

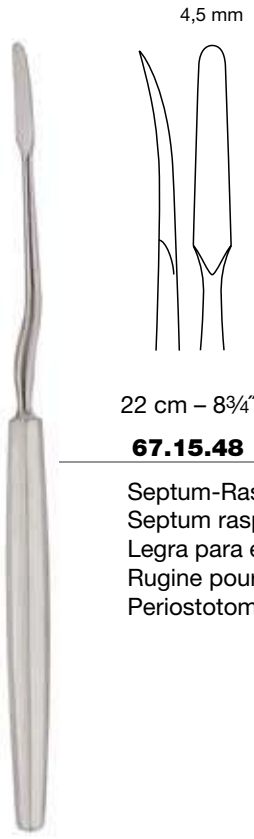


18 cm – 7⅛″

67.15.35

Septum-Elevatorium
Septum elevator
Elevador para el tabique nasal
Elévateur pour la cloison nasale
Elevatore per il setto nasale

Yankauer



22 cm – 8¾″

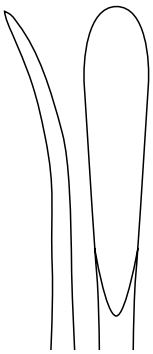
67.15.48

Septum-Raspatorium
Septum raspatory
Legra para el tabique nasal
Rugine pour la cloison nasale
Periostotomo per il setto nasale

Joseph-Masing



8 mm

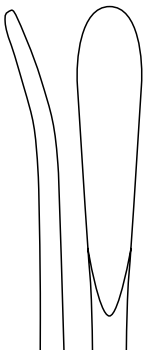


18 cm – 7⅛″

67.15.50

Raspatorium
Raspatory
Legra
Rugine
Periostotomo

8 mm



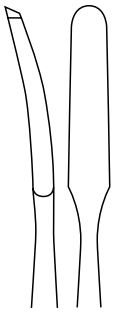
18 cm – 7⅛″

67.15.51

Elevatorium
Elevator
Elevador
Elévateur
Elevatore

Cottle





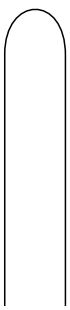
18 cm – 7⅛″

67.15.65

Raspatorium
Raspatory
Legra
Rugine
Periostotomo

Converse





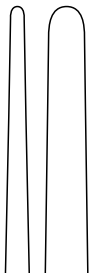
19 cm – 7½″

67.15.70

Nasenfraktur-Elevatorium
Nasal fracture elevator
Elevador para fracturas nasales
Elévateur pour fractures nasales
Elevatore per fratture nasali

Boies





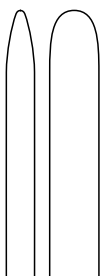
17 cm - 6¾″

67.15.75

Septumfraktur-Elevatorium
Elevator for frature of septum
Elevaor para fracturas del tabique nasal
Elévateur pour fractures de la cloison nasale
Elevatore per fratture del setto nasale

Goldman





17 cm - 6¾″

67.15.80

Reposition von Nasenbeinbrüchen
Repositioning of nasal bone fractures
Reposición de fracturas del hueso nasal
Réposition de fractures de l'os nasal
Riposizione di fratture dell'osso nasale





21 cm – 8¼″

67.15.91

Saugelevatorium
Suction elevator
Elevador aspirador
Elévateur aspirateur
Elevatore aspirante

mit Mandrin
with guide
con mandril
avec mandrin
con mandrino



Ideal zur präzisen subperichondralen Präparation am Septum und subperiostalen Präparation des Os turbinale.

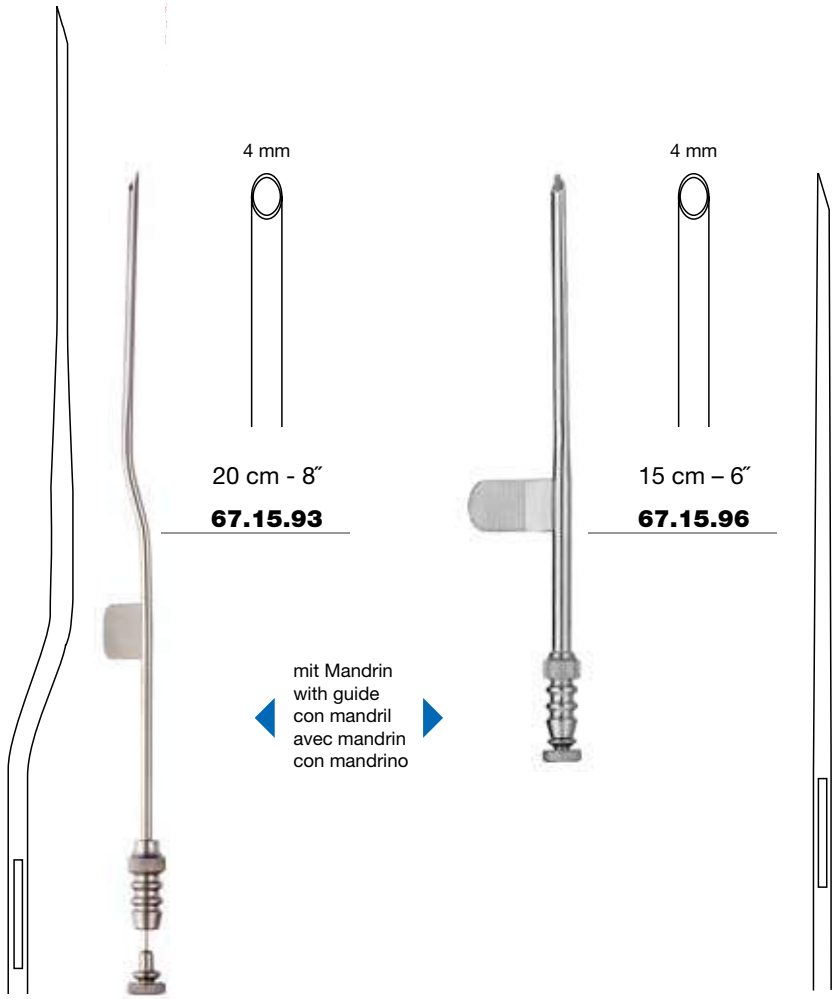
Ideal for precise subperichondral preparation at the septum and subperiostal preparation of the osturbinale.

Ideal para la preparación subpericondrial precisa en el tabique y preparación subperióstica del hueso turbinado.

Idéal pour la préparation souspérichondrale sur le septum et la préparation souspériostée de l'osturbinal.

Ideale per una precisa preparazione subpericondrale del setto e per la preparazione subperiostale dell'osturbinale.

Saugraspatorien
Suction raspatories
Legras aspiradoras
Rugines aspirantes
Periostotomi aspiranti

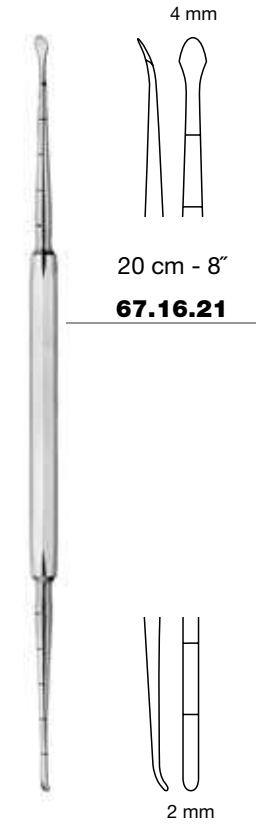


20 cm - 8″
67.15.93

15 cm – 6″
67.15.96

mit Mandrin
with guide
con mandril
avec mandrin
con mandrino

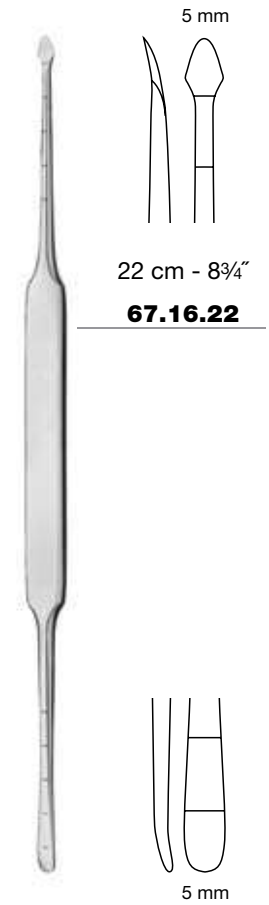
Septum-Elevatorien
Septum elevators
Elevadores para el tabique nasal
Elévateurs pour cloison nasale
Elevatori per setto nasale



20 cm - 8″

67.16.21

Cottle



22 cm - 8¾″

67.16.22

Masing



23 cm - 9″

67.16.23

Cottle

Periost-Kamm
Periosteum comb
Carda para periostio
Peigne pour périoste
Pettine per periostio

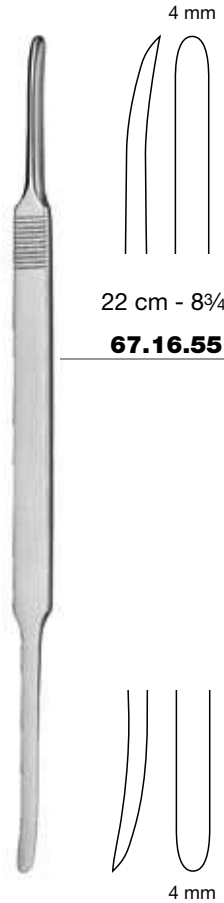


23 cm - 6″

67.16.43

Periost-Feile
Periosteum file
Lima para periostio
Lime pour périoste
Lima per periostio

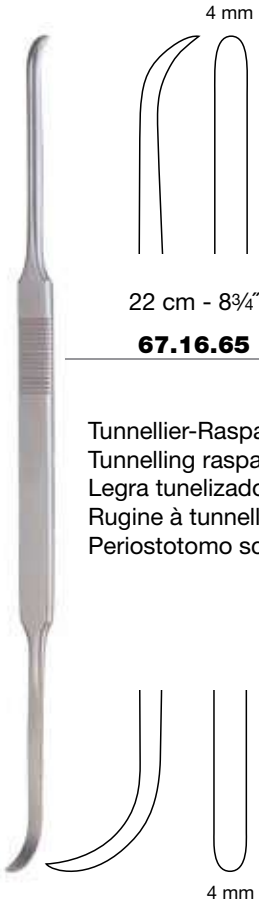
Cottle



22 cm - 8¾″

67.16.55

Cottle-McKenty



22 cm - 8¾″

67.16.65

Tunnellier-Raspatorium
Tunnelling raspatory
Legra tunelizadora
Rugine à tunnellisation
Periostotomo scollatore

Cottle

Knorpelquetschen
Cartilage crushers
Trituradora de sustancia cartilaginosa
Presses pour matière cartilagineuse
Trita cartilagine

65 × 30 × 30 mm



mit Entnahmeklammer
with clamp for taking out the prepared material
con grapa de toma para sacar el material machacado
avec pince pour enlever la materière pressée
con pinza per prendere il materiale triturato

67.19.70

Cottle



Durch adaptierten Druck entsteht ein flaches, flexibles Knorpelfließ welches vielfältig einsetzbar ist.

Due to an adapted pressure a flat, flexible cartilage transplant is obtained, which can be applied in various manners.

Mediante una presión adaptada se crea un tejido de cartílago plano y flexible el cual puede ser empleado de diversas maneras.

Une pression adaptée permet de créer un ruisseau de cartilage plan et flexible qui peut être posé variablement.

Mediante una pressione adatta si crea un tessuto di cartilagine piano e flessibile, il quale può essere utilizzato in modi diversi.



65 × 30 mm



67.19.80

Gubisch

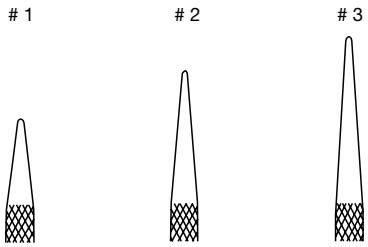
Knorpelschneidblock aus Teflon
Cartilage cutting block made of teflon
Bloque de teflon para cortar cartílago
Bloc en teflon pour couper le cartilage
Blocco in teflon per tagliare cartilagine

85 × 55 × 10 mm



67.19.75





11 cm – 4⅜″	11 cm – 4⅜″	11 cm – 4⅜″
60.34.81	**60.34.82**	**60.34.83**

Tränenkanaldilatatoren
Lacrimal dilators
Dilatadores para canal lagrimal
Dilatateurs pour le canal lacrymal
Dilatatori per canale lacrimale

60.34.80

Satz komplett	(# 1-3)
Set complete	(# 1-3)
Juego completo	(# 1-3)
Jeu complet	(# 1-3)
Serie completa	(# 1-3)

Wilder





14 cm – 5½″

66.54.60



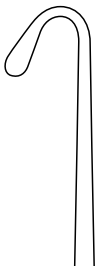


17 cm – 6¾″

66.54.70

Killian



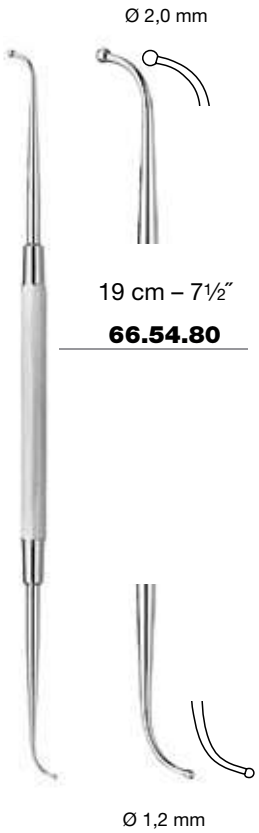


23 cm – 9″

66.54.95

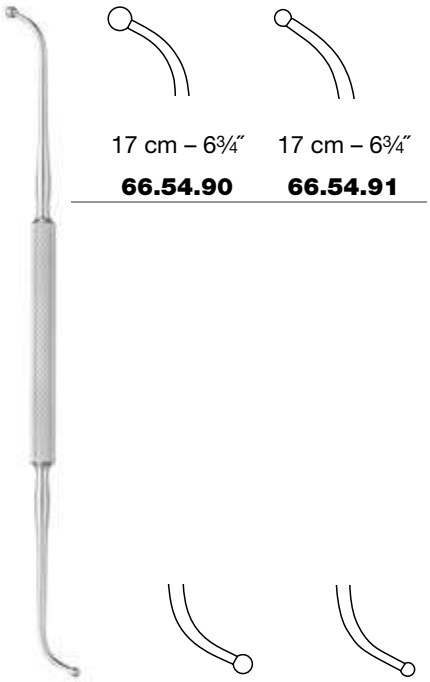
Choanahaken
Choana hook
Gancho para coanas
Crochet choanal
Uncino per coane

Lange



19 cm – 7½″

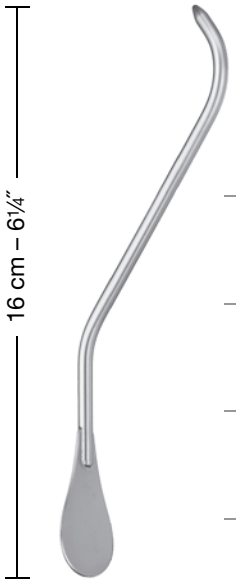
66.54.80



17 cm – 6¾″ **66.54.90**

17 cm – 6¾″ **66.54.91**

Kistner



Stirnhöhlendilatatoren
Sinus dilators
Dilatadores seno
Sondes à sinus
Sonde seno

Ø 2,5 mm **66.60.82**

Ø 3,0 mm **66.60.83**

Ø 4,0 mm **66.60.84**

Ø 5,0 mm **66.60.85**

Ritter-Halle



Wiener

Ø 3,5 mm



18 cm – 7⅛″

66.62.33

Ø 3,5 mm



18 cm – 7⅛″

66.62.35

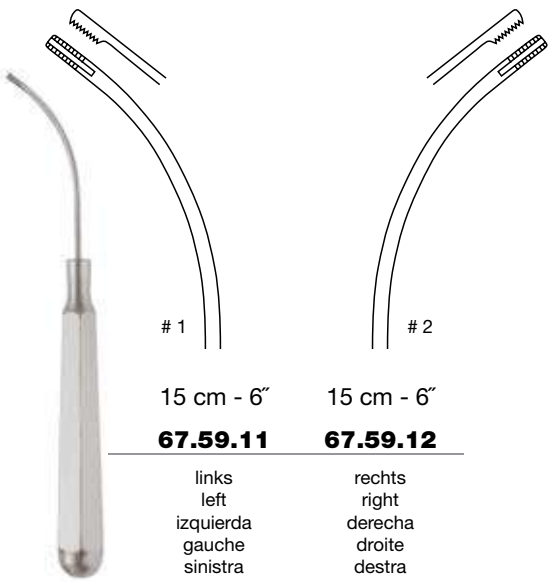
Antrumraspeln
Antrum rasps
Escofinas para el antro
Râpes pour fosses nasales
Raspe per antro



Watson-Williams

23 cm – 9″

66.62.38



Dingman

15 cm - 6″

67.59.11

links
left
izquierda
gauche
sinistra

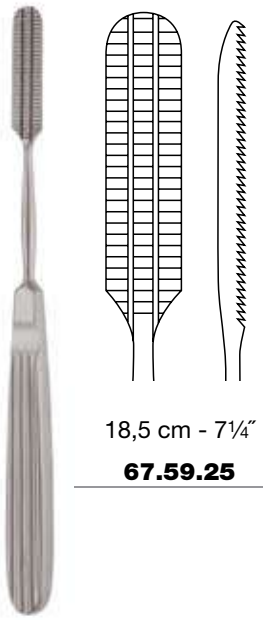
15 cm - 6″

67.59.12

rechts
right
derecha
droite
destra

Knorpelschaber
Cartilage abraders
Rascadores de cartilago
Grattoirs à cartilages
Raschiatore per cartilagine

67.59.10	
Satz komplett	(# 1+2)
Set complete	(# 1+2)
Juego completo	(# 1+2)
Jeu complet	(# 1+2)
Set completo	(# 1+2)



18,5 cm - 7¼″

67.59.25

Maltz



20 cm - 8″

67.59.30

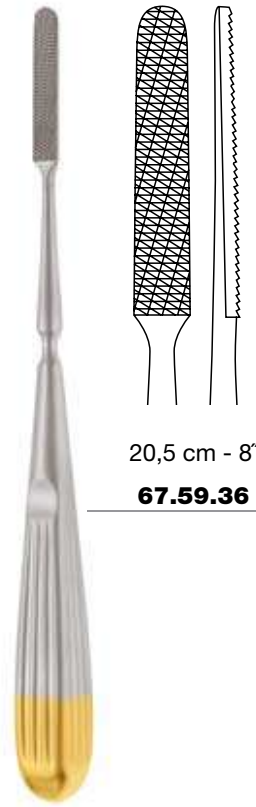
Lewis



21 cm - 8¼″

67.59.35

Cottle



20,5 cm - 8″

67.59.36

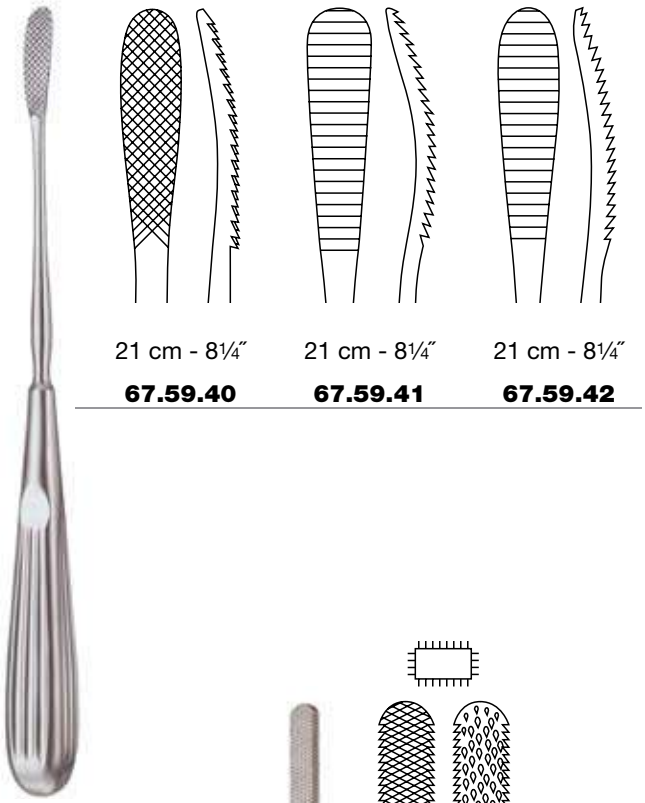
Cottle "HM"

Hartmetall
Tungsten carbide
"HM" = Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno



19,5 cm - 7¾″

67.59.47



21 cm - 8¼″ **67.59.40**

21 cm - 8¼″ **67.59.41**

21 cm - 8¼″ **67.59.42**

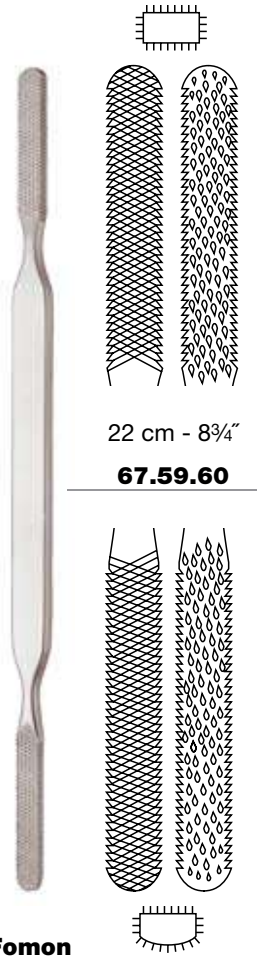
Aufricht



19,5 cm - 7¾″

67.59.50

Lewis “HM”

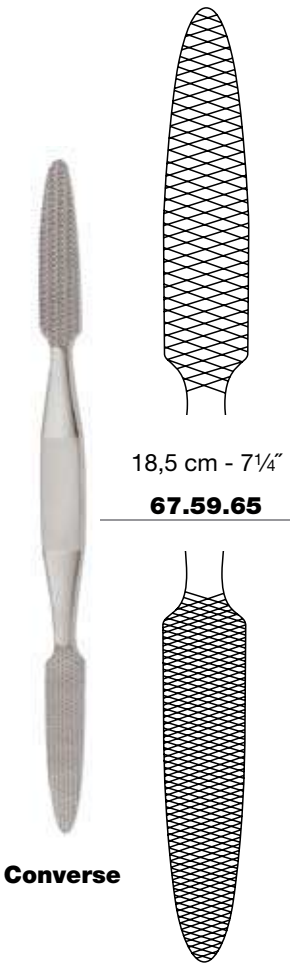


22 cm - 8¾″

67.59.60

Fomon

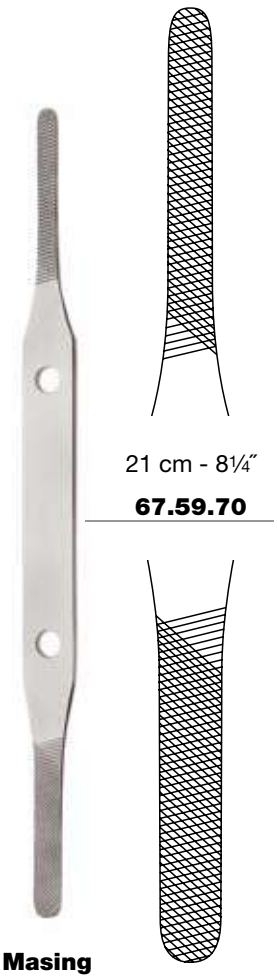
“HM” = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno



18,5 cm - 7¼″

67.59.65

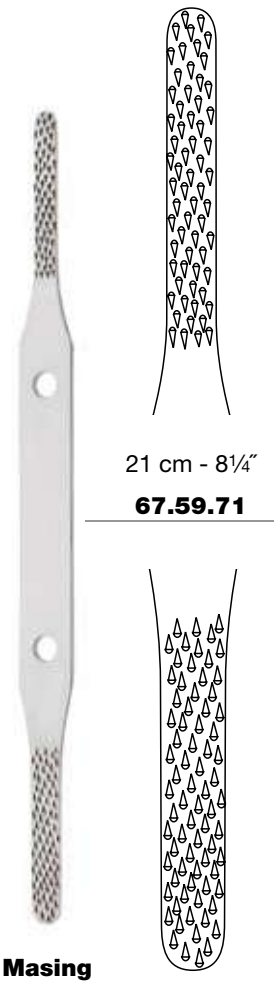
Converse



21 cm - 8¼″

67.59.70

Masing



21 cm - 8¼″

67.59.71

Masing

Nasenraspel
Nasal rasp
Raspador nasal
Râpe nasale
Raspa nasale

Jeweils ein Arbeitsende der Raspeln arbeitet auf Schub, das andere auf Zug.

One working end of the rasp operates by pushing, the other by pulling.

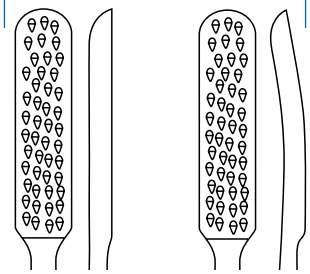
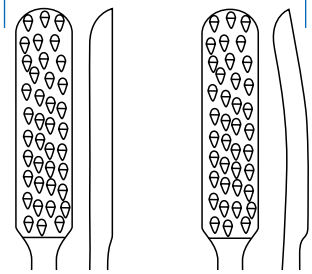
Una parte de las raspas trabaja a empuje, la otra parte a tracción.

Un bout des râpes coupe en poussant, l'autre en tirant.

Una parte lavorativa della raspa funziona da spinta e l'altra da trazione.



Obwegeser

fein fine fino fin fina		halbfein semi fine semifino semifin semifina	
			
19,5 cm - 7¾″	19,5 cm - 7¾″	19,5 cm - 7¾″	19,5 cm - 7¾″
67.60.51	**67.60.53**	**67.60.52**	**67.60.54**

Die Knochenspäne werden durch die Perforationen nach außen abgedrängt, wodurch die Raspeln nicht verstopfen und einfacher zu reinigen sind.

Bone splinters are pushed through the perforated working ends. This avoids plugging of the rasps and they can be cleaned easily.

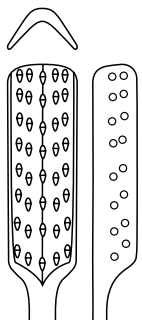
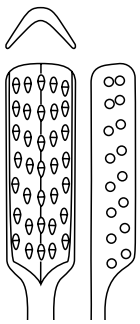
Las raspaduras de huesos son apartadas por las perforaciones hacia fuera; asi no se atascan los raspadores y pueden ser limpiados más fácil.

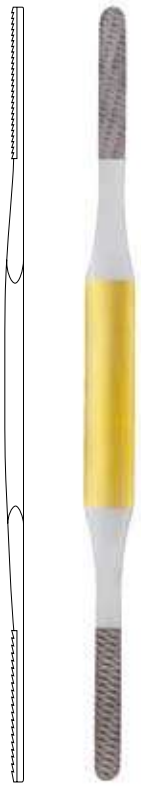
Les copeaux d'os sont poussés vers l'extérieur á travers les perforations, ceci évite un bouchage et facilite un meilleur nettoyage.

I trucioli delle ossa verranno eliminati fuori dalla perforazione poichè le raspe non si otturano e sono facilmente pulibili.

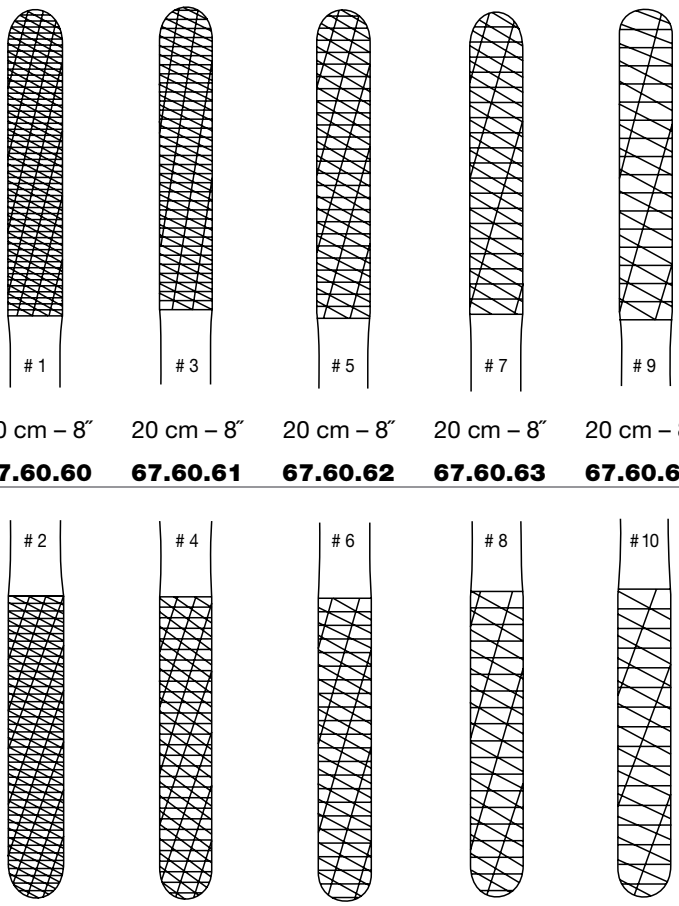


Obwegeser

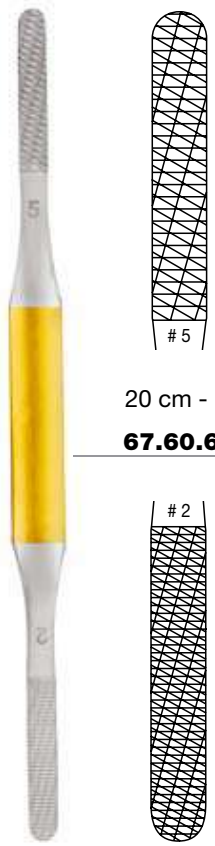
fein fine fino fin fina	halbfein semi fine semifino semifin semifina
	
19,5 cm - 7¾″	19,5 cm - 7¾″
67.60.55	**67.60.56**



Fomon "HM"



20 cm – 8″ **67.60.60**
20 cm – 8″ **67.60.61**
20 cm – 8″ **67.60.62**
20 cm – 8″ **67.60.63**
20 cm – 8″ **67.60.64**



20 cm - 8″ **67.60.65**

Gubisch-Fomon "HM"

"HM" = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno

X-Change



Zur Glättung der knöchernen Nasenpyramide.
For smoothing the bony nasal pyramid.
Para el aplanamiento de la pirámide nasal ósea.
Pour égaliser la pyramide nasale osseuse.
Per lo spianamento della piramide nasale ossea.



Handgriffe
Handles
Mangos
Manches
Manici



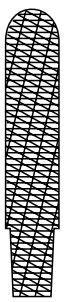
14 cm - 5½″
67.61.00
“HM”



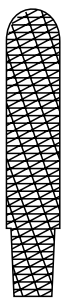
14 cm - 5½″
67.61.01
“HM”



Raspeln
Rasps
Raspadores
Râpes
Raspe



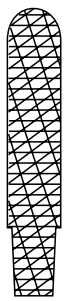
1
67.61.10



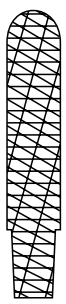
2
67.61.11



3
67.61.12



4
67.61.13

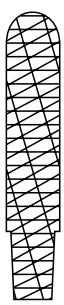


5
67.61.14

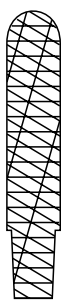


Schlüssel
Wrench
Ilave
Clé
Chiave

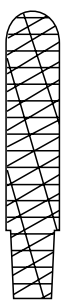
67.61.03



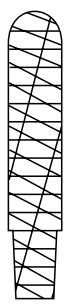
6
67.61.15



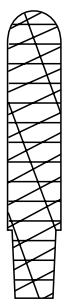
7
67.61.16



8
67.61.17



9
67.61.18



10
67.61.19



“HM” = Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno





17 cm - 6¾″

67.60.10

Joseph





17 cm - 6¾″

67.60.11

links
left
izquierda
gauche
sinistra



17 cm - 6¾″

67.60.12

rechts
right
derecha
droite
destra

Joseph

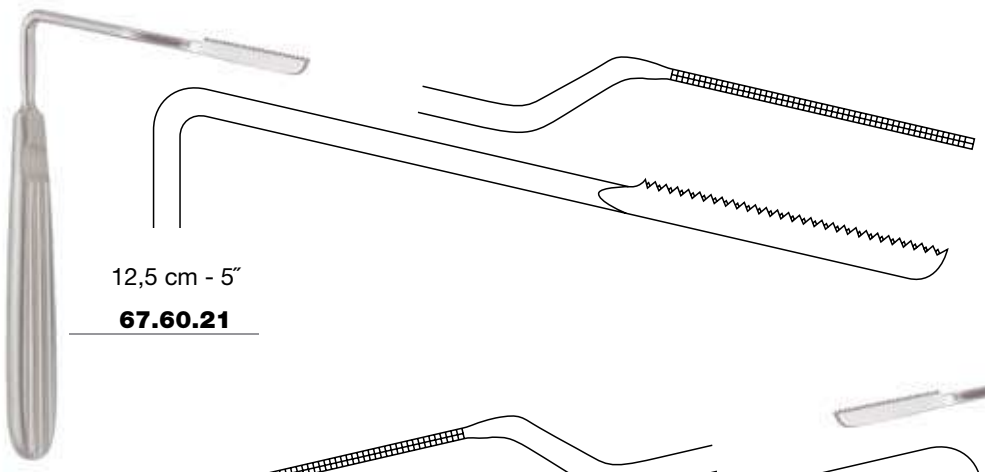


15 cm – 6″

67.60.90

Sägeschutzführung
Guided guard for nasal saw
Conductor protector para sierra
Guidage protecteur pour scies
Protettore guidasega

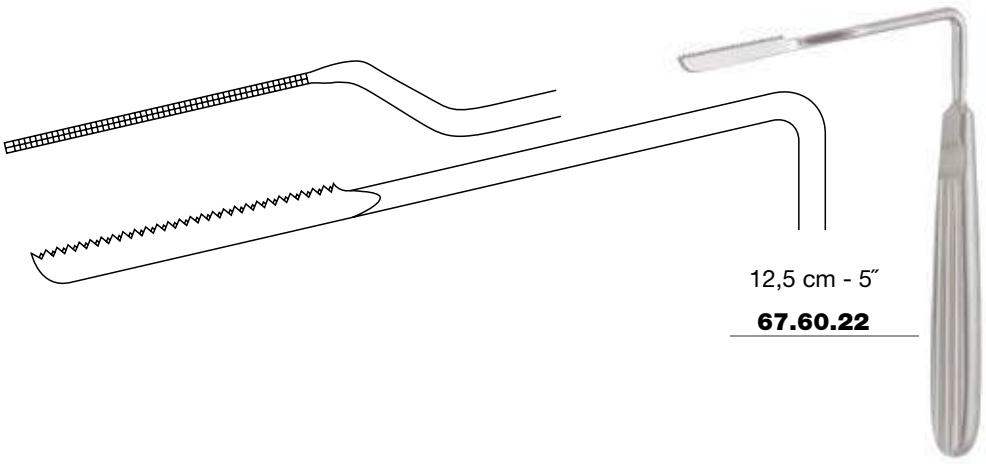
Joseph



12,5 cm - 5″

67.60.21

Joseph



12,5 cm - 5″

67.60.22

Joseph



21,5 cm – 8½″

66.58.20



19 cm – 7½″

66.58.80

Faulkner



1:1

Coakley

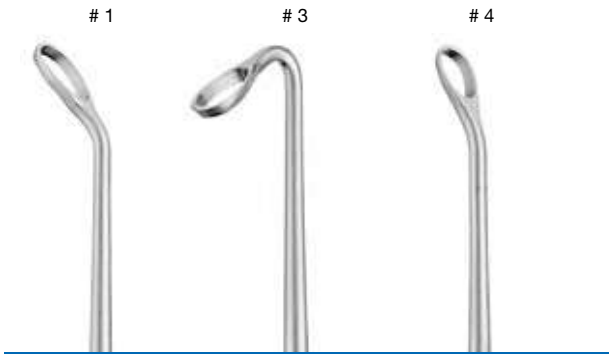
# 1	# 2	# 3
		
17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″
66.58.01	**66.58.02**	**66.58.03**

# 4	# 5	# 6
		
17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″
66.58.04	**66.58.05**	**66.58.06**

66.58.00	
Satz komplett	(# 1-6)
Set complete	(# 1-6)
Juego completo	(# 1-6)
Jeu complet	(# 1-6)
Set completo	(# 1-6)



Coakley



# 1	# 3	# 4
25 cm – 10”	25 cm – 10”	25 cm – 10”
66.58.12	**66.58.36**	**66.58.45**
❶	❷	❸

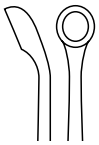


# 2	# 6	# 5

66.58.10	
Satz komplett Set complete Juego completo Jeu complet Set completo	❶ ❷ ❸



5 mm



20 cm – 8″

66.58.87

3 × 6 mm



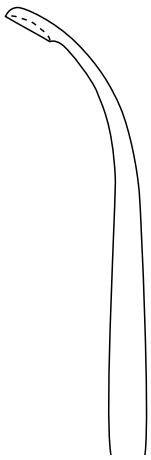
20 cm – 8″

66.58.88

3,5 × 5 mm



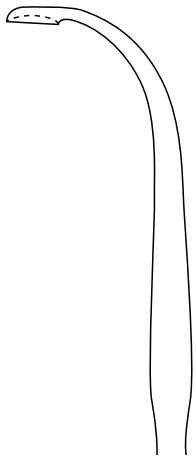
55°



19 cm – 7½″

66.58.92

90°



19 cm – 7½″

66.58.94



Daubenspeck

00



20 cm – 8″

29.68.42

0



20 cm – 8″

29.68.50

1



20 cm – 8″

29.68.51

2



20 cm – 8″

29.68.52

mit Kunststoffbacken
(abschraubbar)

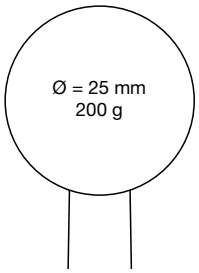
with plastic facings
(unscrewable)

con frentes de plástico
(destornillables)

avec joues en matière plastique
(dévissables)

con guancie in materia plastica
(svitabili)

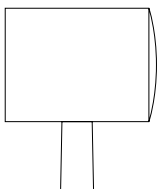




18,5 cm - 7¼″

27.06.20

27.06.21
Ersatzbacken, Paar
Spare facings, pair
Frentes de repuesto, par
Joues de rechange, paire
Guancie di ricambio, paio



Die gewölbte Seite ist für die Knorpelquetsche (67.19.70)
➟ siehe Seite 382

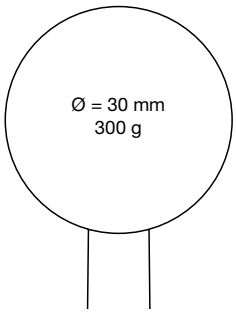
The round face is used for the cartilage crusher (67.19.70)
➟ see page 382

La cara convexa se usa para la machacadera de sustancia cartilaginosa (67.19.70)
➟ véase página 382

La face convexe s'emploie pour presser la matière cartilagineuse (67.19.70)
➟ voir page 382

La faccia convessa si usa per la trita cartilagine (67.19.70)
➟ vedi pagina 382



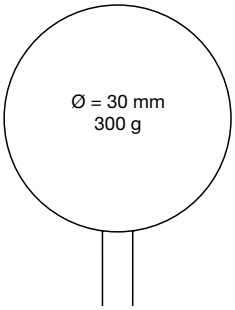


19 cm - 7½″

67.40.20

Cottle





24 cm - 9½″

67.40.75

mit schrägen Flächen
with inclined facings
con frentes oblicuas
avec joues obliques
con guancie inclinate

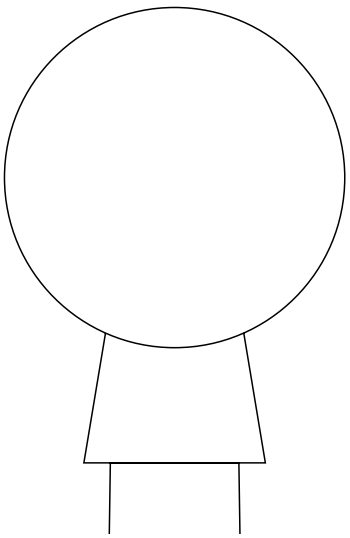
Guillen



Novotex

Ermöglicht gedämpfte und rückschlagsfreie Schläge mit präziser Führung.
Allows dampened and precisely guided impacts without resilience.
Permite golpes precisos, amortiguados y sin retroceso.
Permet des coups précis, amortis et sans recul.
Permette di effetuare colpi morbidi e privi di cotracolpo con una guida precisa.





26 cm - 10¼″

Ø = 35 mm, 150 g	**27.10.31**
Ø = 45 mm, 240 g	**27.10.32**
Ø = 50 mm, 330 g	**27.10.33**

aus NOVOTEX-Kunststoff (autoklavierbar bis 134°C bei 3 bar)
made of NOVOTEX plastic (autoclavable up to 134°C at 3 bar)
de materia plástica NOVOTEX (autoclavable hasta 134°C bajo presión de 3 bar)
en matière plastique NOVOTEX (autoclavable à 134°C sous pression de 3 bars)
di materia plastica NOVOTEX (autoclavabile fino a 134°C sotto pressione di 3 bar)



4 mm | 6 mm

15,5 cm - 6⅛″ | 15,5 cm - 6⅛″

66.55.44 | **66.55.46**

Freer



4 mm | 6 mm

16 cm - 6¼″ | 16 cm - 6¼″

66.55.54 | **66.55.56**

Ballenger



16 cm – 6¼″

66.55.95

Faulkner



4 mm

16 cm – 6¼″

27.82.12

West



4 mm

16 cm – 6¼″ | 16 cm – 6¼″

27.82.14 | **27.82.15**

West



6 mm

17,5 cm - 7″

66.55.85

Killian

Septum-Hohlmeißel
Septum gouges
Gubias para el tabique nasal
Gouges pour la cloison nasale
Sgorbie per il setto nasale



6 mm

17,5 cm - 7″

66.55.90

Killian-Claus

Advertisement

the art of surgery

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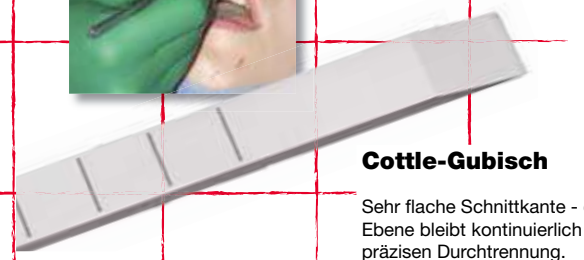
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Plastic Surgery





Cottle-Gubisch

Sehr flache Schnittkante - die eingestellte Osteotomie-Ebene bleibt kontinuierlich erhalten und führt zu einer präzisen Durchtrennung.

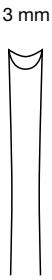
Extremely flat cutting edge - the set osteotomy level is continuously retained, leading to precise detachment.

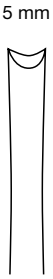
Canto de corte muy plano - el plano de osteotomía ajustado se mantiene continuo y permite una separación precisa.

Arête de coupe très plate - le plan d'ostéotomie qui a été réglé demeure de façon continue et conduit à une séparation précise.

Spigolo tagliente molto piatto - la il livello prestabilito della osteotomia rimane in modo continuo e porta ad una separazione precisa.





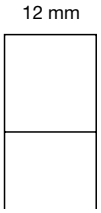


3 mm	5 mm
19 cm – 7½″	19 cm – 7½″
67.31.73	**67.31.75**

Walter





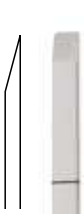


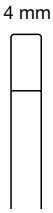
5 mm	12 mm
18 cm - 7⅛″	18 cm - 7⅛″
67.30.15	**67.30.22**

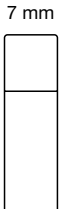
Hohlschliff
Hollow cut
Vaciado hueco
Rectification en creux
Levigatura vuota

graduiert
graduated
graduada
graduée
graduata

Cottle-Gubisch

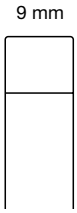


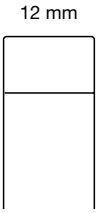




4 mm	7 mm
18 cm - 7⅛″	18 cm - 7⅛″
67.30.34	**67.30.37**



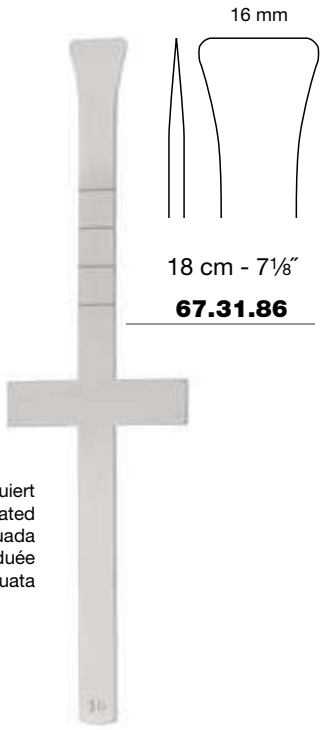




9 mm	12 mm
18 cm - 7⅛″	18 cm - 7⅛″
67.30.39	**67.30.42**

graduiert
graduated
graduada
graduée
graduata

Cottle

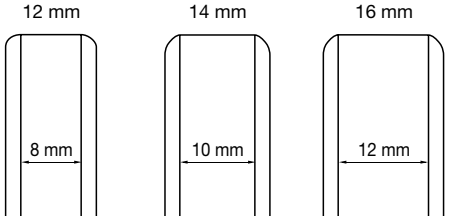


18 cm - 7⅛″

67.31.86

Cottle

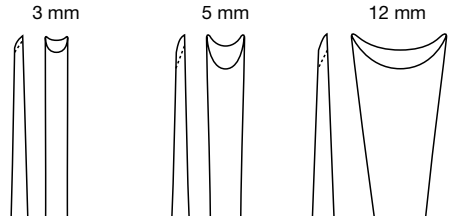




18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″
67.33.12	**67.33.14**	**67.33.16**

Rubin





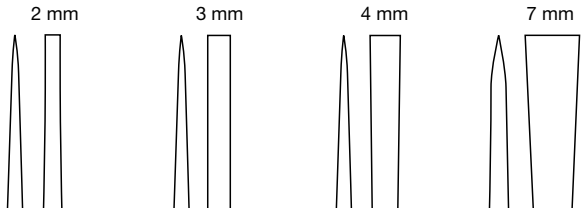
19 cm - 7½″	19 cm - 7½″	19 cm - 7½″
67.34.03	**67.34.05**	**67.34.33**

Walter

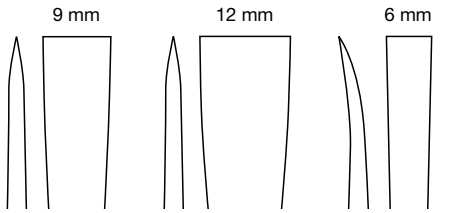
Medicon Instrumente
the art of surgery

Osteotome
Osteotomes
Osteotomos
Ostéotomes
Osteotomi





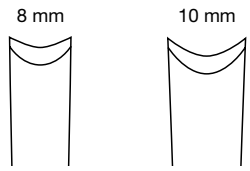
19 cm - 7½″	19 cm - 7½″	19 cm - 7½″	19 cm - 7½″
67.34.22	**67.34.23**	**67.34.24**	**67.34.27**



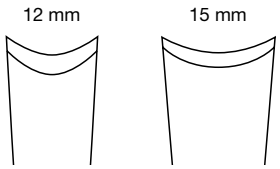
19 cm - 7½″	19 cm - 7½″	19 cm - 7½″
67.34.29	**67.34.32**	**67.34.56**

Walter





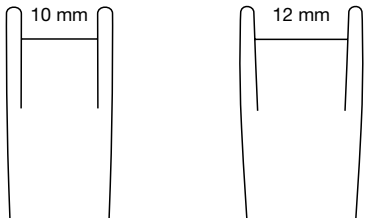
16 cm - 6¼″	16 cm - 6¼″
67.36.08	**67.36.10**



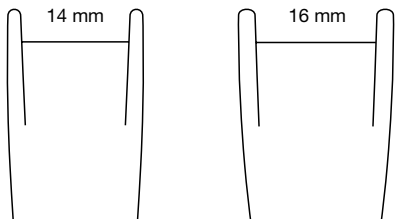
16 cm - 6¼″	16 cm - 6¼″
67.36.12	**67.36.15**

McIndoe





18 cm - 7⅛″	18 cm - 7⅛″
67.36.30	**67.36.32**

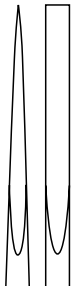


18 cm - 7⅛″	18 cm - 7⅛″
67.36.34	**67.36.36**

Moberg



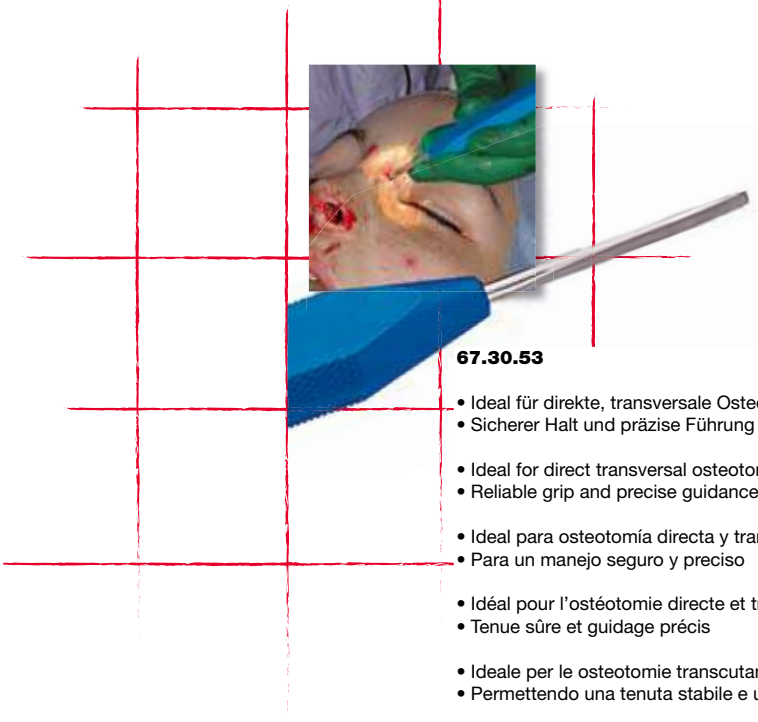
3 mm



18,5 cm - 7¼″

67.30.53

Aluminiumgriff
Aluminium handle
Mango de aluminio
Manche en aluminium
Manico in alluminio



67.30.53

- Ideal für direkte, transversale Osteotomie durch die Haut
- Sicherer Halt und präzise Führung

- Ideal for direct transversal osteotomy
- Reliable grip and precise guidance

- Ideal para osteotomía directa y transversal transcutánea
- Para un manejo seguro y preciso

- Idéal pour l'ostéotomie directe et transversale transcutanée
- Tenue sûre et guidage précis

- Ideale per le osteotomie transcutanee dirette e trasversali
- Permettendo una tenuta stabile e una guida precisa

Gubisch



graduiert
graduated
graduada
graduée
graduata

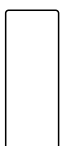
4 mm



18 cm - 7⅛″

67.30.04

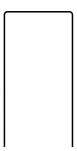
7 mm



18 cm - 7⅛″

67.30.07

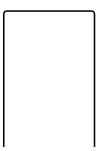
9 mm



18 cm - 7⅛″

67.30.09

12 mm

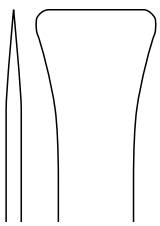


18 cm - 7⅛″

67.30.12

Cottle

16 mm



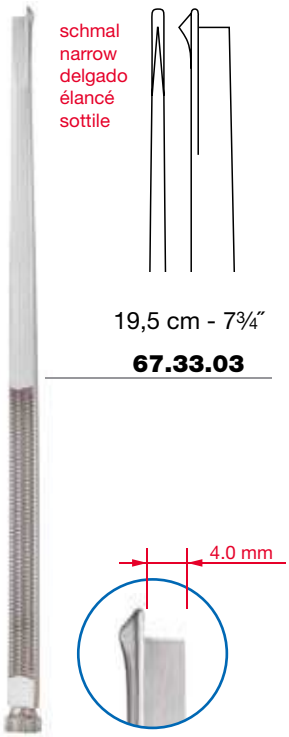
18 cm - 7⅛″

67.31.16



graduiert
graduated
graduada
graduée
graduata

Cottle



19,5 cm - 7¾″

67.33.03

Fanous-Gubisch

- Der Operateur orientiert sich mittels des lateralen Führungsdorns über die Meißelposition
- Minimale Traumatisierung
- Bevorzugte Anwendung für die laterale Osteotomie bei enoralem und endonasalem Zugang

- The surgeon orientates himself by means of the lateral guiding thorn about the position of the chisel
- Minimal traumatisation
- Preferred application for lateral osteotomy with enoral and endonasal access

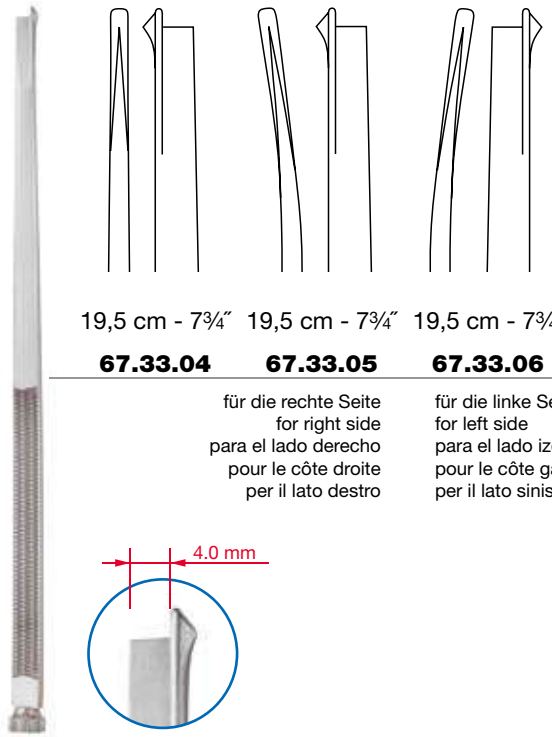
- El cirujano se orienta mediante la espina guía lateral para determinar la posición del cincel
- Traumatización mínima
- Aplicación preferida para la osteotomía lateral con acceso intraoral y intranasal

- L'opérateur s'oriente par l'épine latérale de guidage pour déterminer la position du burin
- Traumatisme minimal
- S'utilise surtout pour l'ostéotomie latérale sous accès énoral et endonasal

- Il chirurgo può determinare la posizione dello scalpello attraverso la spina guida
- Traumatismo minimo
- Applicazione preferita per osteotomia laterale con accesso enorale ed endonasale

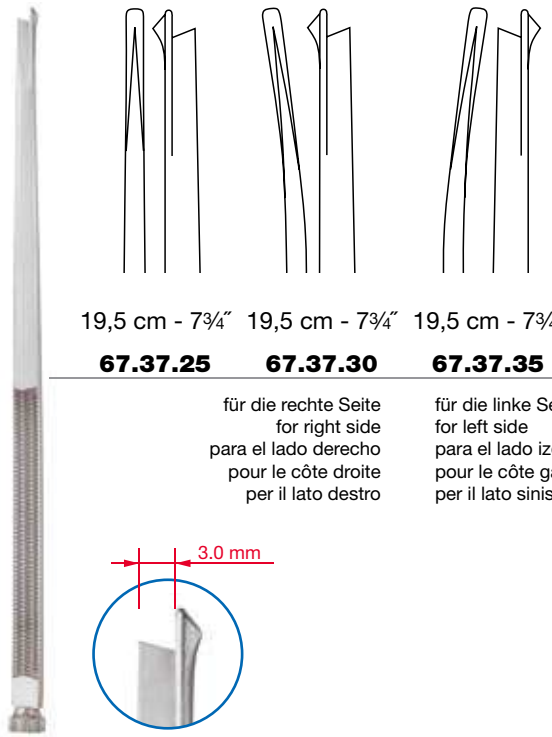


Dorn
Thorn
Espina
Epine
Spina



19,5 cm - 7¾″	19,5 cm - 7¾″	19,5 cm - 7¾″
67.33.04	**67.33.05**	**67.33.06**
für die rechte Seite for right side para el lado derecho pour le côte droite per il lato destro		für die linke Seite for left side para el lado izquierdo pour le côte gauche per il lato sinistro

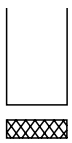
Fanous



19,5 cm - 7¾″	19,5 cm - 7¾″	19,5 cm - 7¾″
67.37.25	**67.37.30**	**67.37.35**
für die rechte Seite for right side para el lado derecho pour le côte droite per il lato destro		für die linke Seite for left side para el lado izquierdo pour le côte gauche per il lato sinistro

Schrom





8 mm | 10 mm | 12 mm

18 cm - 7⅛″ | 18 cm - 7⅛″ | 18 cm - 7⅛″

67.31.48 | **67.31.50** | **67.31.52**

14 mm | 16 mm | 18 mm

18 cm - 7⅛″ | 18 cm - 7⅛″ | 18 cm - 7⅛″

67.31.54 | **67.31.56** | **67.31.58**

Rubin



10 mm

20 cm - 8″

67.32.80

Cottle



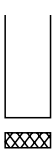
6 mm

18 cm - 7⅛″

67.32.06

graduiert
graduated
graduada
graduée
graduata

für transversale Osteotomie
for transversal osteotomy
para osteotomía transversal
pour ostéotomie transversale
per osteotomia trasversale



Cottle

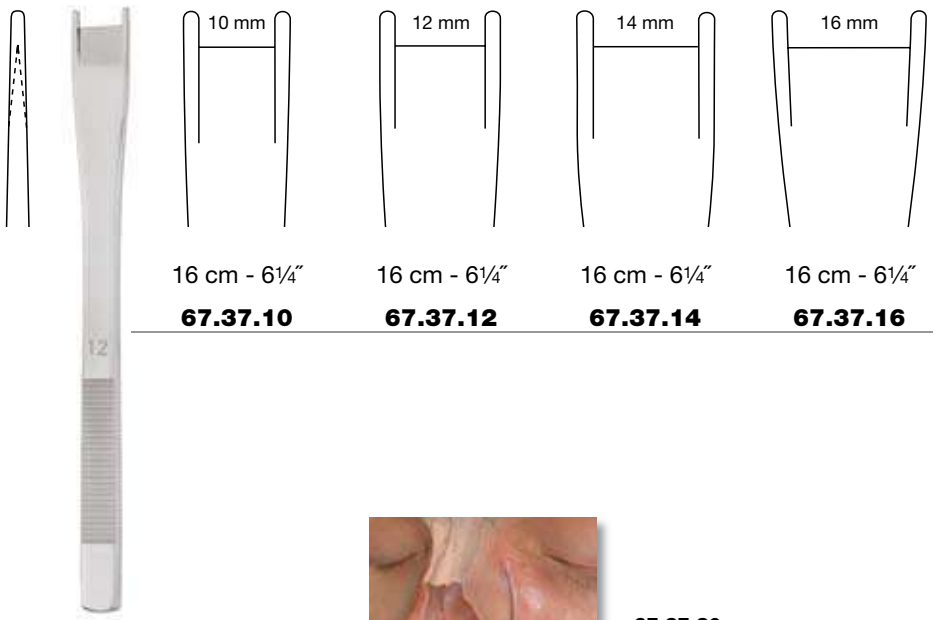


5 mm | 7 mm | 8 mm

17 cm - 6¾″ | 17 cm - 6¾″ | 17 cm - 6¾″

67.35.05 | **67.35.07** | **67.35.08**

Fomon

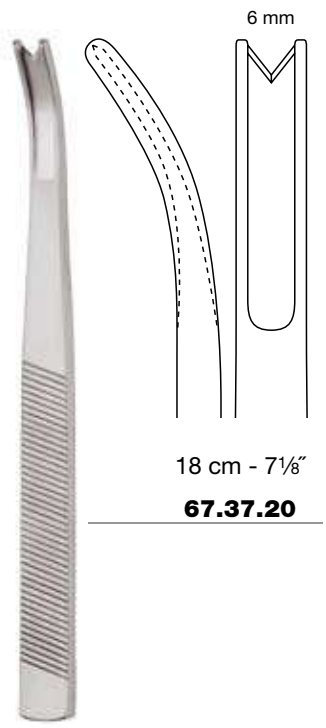


16 cm - 6¼″	16 cm - 6¼″	16 cm - 6¼″	16 cm - 6¼″
67.37.10	**67.37.12**	**67.37.14**	**67.37.16**

Cinelli

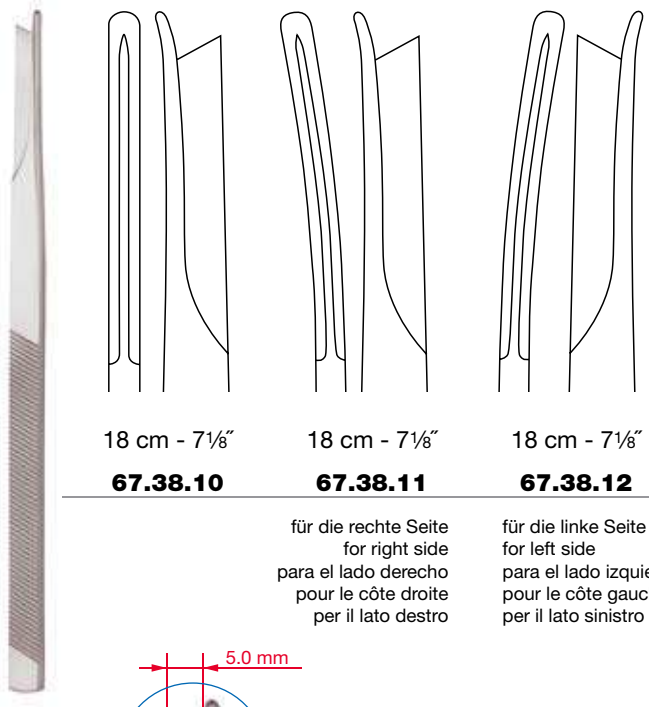


67.37.20
für die laterale Osteotomie
for lateral osteotomy
para la osteotomía lateral
pour l'ostéotomie latérale
per la osteotomia laterale



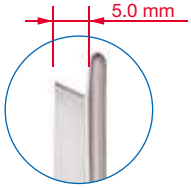
18 cm - 7⅛″
67.37.20

Blume

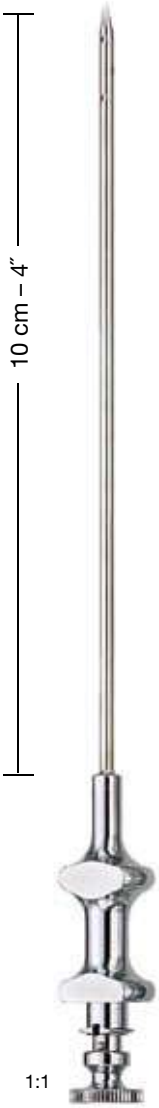


18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″
67.38.10	**67.38.11**	**67.38.12**
	für die rechte Seite for right side para el lado derecho pour le côte droite per il lato destro	für die linke Seite for left side para el lado izquierdo pour le côte gauche per il lato sinistro

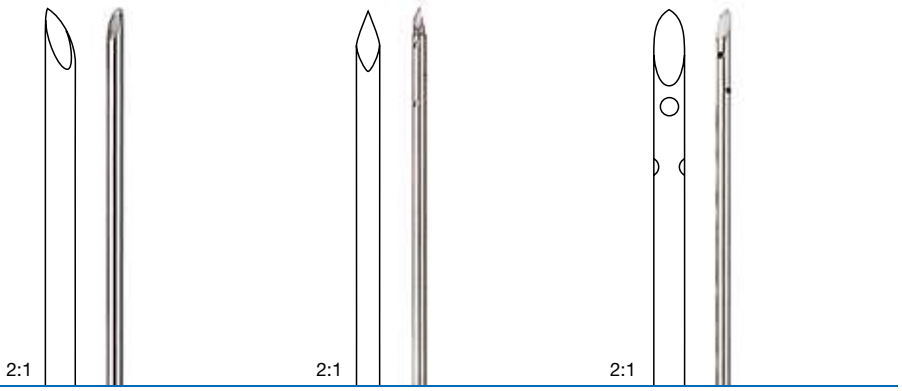
Silver



Antrumkanüle
Antrum cannulas
Cánula para el antro
Canule pour l'antre
Cannula per antro



Luer-Lock ♀



Ø 1,5 mm	Ø 1,5 mm	Ø 1,5 mm
09.74.15	**09.74.45**	**09.74.75**
Ø 1,8 mm	Ø 1,8 mm	Ø 1,8 mm
09.74.18	**09.74.48**	**09.74.78**
Ø 2,0 mm	Ø 2,0 mm	Ø 2,0 mm
09.74.20	**09.74.50**	**09.74.80**
Lichtwitz	**Lichtwitz-Eicken**	**Vogel**



Ø 0,8 mm

09.74.91

Septum-Nadel
Septum needle
Aguja para septum
Aiguille pour septum
Ago per setto

Luer-Lock ♀



Ø 3 mm	Ø 2 mm
15 cm – 6″	15 cm – 6″
66.60.15	**66.60.17**

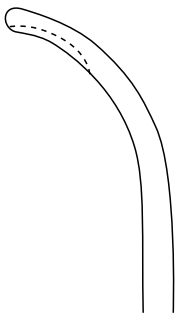
Luer ♀

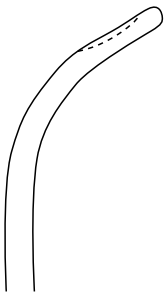
Eicken

2,5 mm

3,0 mm







13 cm – 5⅛″	13 cm – 5⅛″
66.60.07	**66.60.02**
Ø 2,5 mm	Ø 2,5 mm
13 cm – 5⅛″	13 cm – 5⅛″
66.60.08	**66.60.03**
Ø 3,0 mm	Ø 3,0 mm

Siebenmann



Siebenmann



biegsam
malleable
maleable
malléable
malleabile

15 cm – 6″	15 cm – 6″	15 cm – 6″
66.60.66	**66.60.67**	**66.60.68**
Ø 2,5 mm	Ø 3,0 mm	Ø 4,0 mm

Luer-Lock ♀



Koagulationssaugrohr
Suction tube for coagulation
Tubo de aspiración para coagulación
Tube d'aspiration pour coagulation
Tubo d'aspirazione per coagulazione

66.60.52
Ø 2,5 mm

10 cm – 4″
Nutzlänge
Working length
Largo útil
Longueur utile
Lunghezza utile



Ø 3 mm	Ø 3 mm
15 cm – 6″	15 cm – 6″
66.60.10	**66.60.11**
Record	Luer

Eicken



Ø 3 mm	Ø 3 mm
15 cm – 6″	15 cm – 6″
66.60.12	**66.60.13**
Record	Luer

Eicken



3 mm	3,5 mm
15 cm – 6″	15 cm – 6″
66.60.21	**66.60.22**

Luer

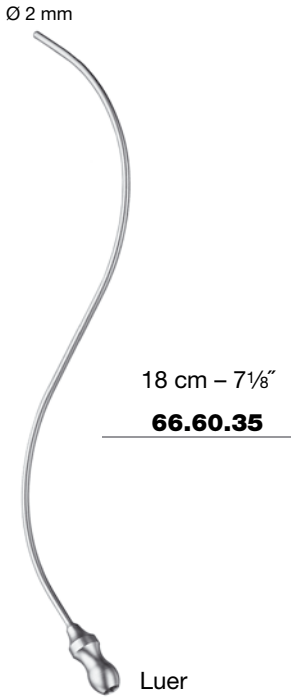
Killian



3 mm	3,5 mm
15 cm – 6″	15 cm – 6″
66.60.23	**66.60.24**

Luer

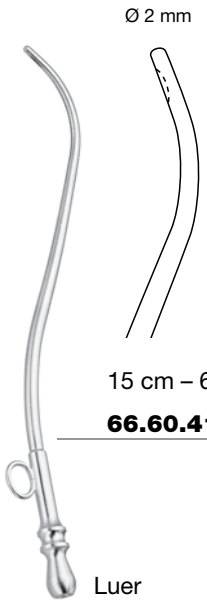
Killian



18 cm – 7⅛″

66.60.35

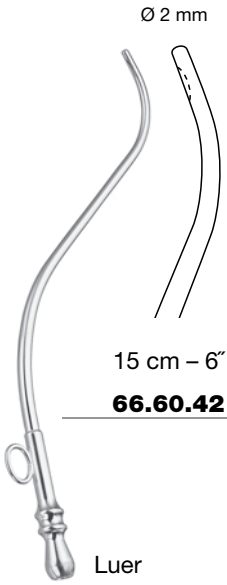
Killian



15 cm – 6″

66.60.41

van Alyea



15 cm – 6″

66.60.42

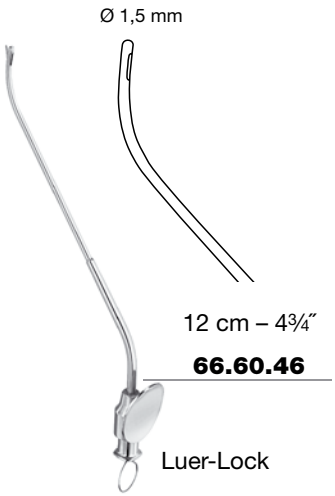
van Alyea



12 cm – 4¾″

66.60.45

van Alyea



12 cm – 4¾″

66.60.46

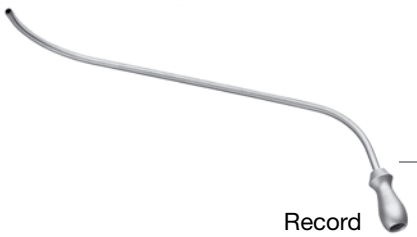
van Alyea



11 cm – 4⅜″

66.60.50

Ø 2 mm



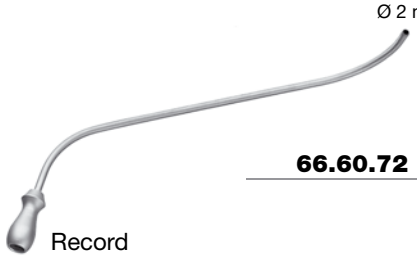
66.60.71

Record

Hartmann

12 cm – 4¾″
Nutzlänge
Working length
Largo útil
Langeur utile
Lunghezza utile

Ø 2 mm



66.60.72

Record

Hartmann

15 cm – 6″
Nutzlänge
Working length
Largo útil
Langeur utile
Lunghezza utile



Charr. 10

09.82.21

biegsam
malleable
maleable
malléable
malleabile

Kahn-Frazier



Charr. 10

09.82.22

biegsam
malleable
maleable
malléable
malleabile

Kahn-Frazier

5-9 cm
graduiert
graduated
graduación
gradué
graduato

10 cm – 4″
Nutzlänge
Working length
Largo útil
Langeur utile
Lunghezza utile



Charr. 6

09.82.36

Charr. 8

09.82.38

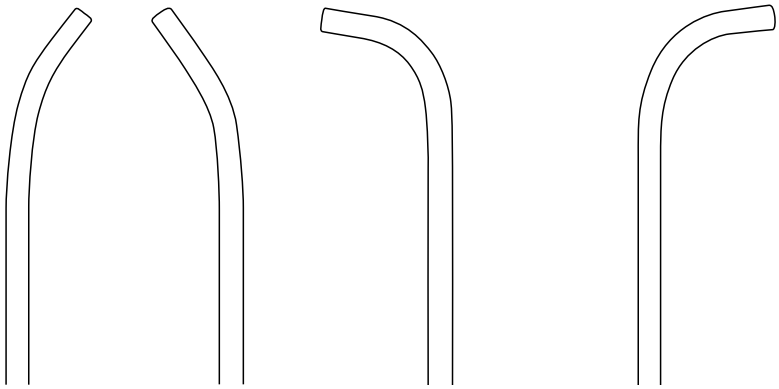
Charr. 10

09.82.40

Frazier



11 cm – 4⅜″
Nutzlänge
Working length
Largo útil
Langeur utile
Lunghezza utile



Charr. 10	Charr. 10	Charr. 10	Charr. 10
09.82.23	**09.82.24**	**09.82.26**	**09.82.25**

Frazier



12 cm – 5″
Nutzlänge
Working length
Largo útil
Langeur utile
Lunghezza utile

Charr. 6	Charr. 8	Charr. 10	Charr. 12	Charr. 15
09.83.26	**09.83.28**	**09.83.30**	**09.83.32**	**09.83.34**

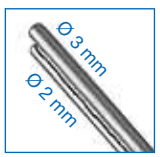
Frazier (Fergusson)



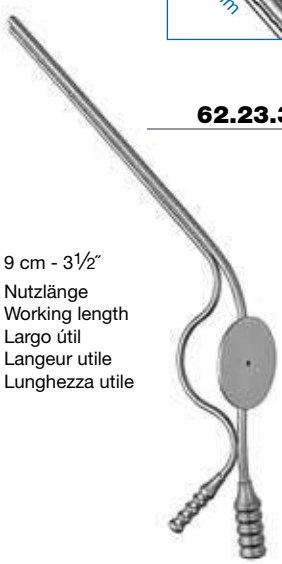
Schaft isoliert
Insulated shaft
Vástago aislado
Tige isolée
Asta isolata

Charr. 7	Charr. 9	Charr. 11
09.83.47	**09.83.49**	**09.83.51**

Fergusson



62.23.30



9 cm - 3½″
Nutzlänge
Working length
Largo útil
Langeur utile
Lunghezza utile



Saug- und Spülsystem verwendbar mit Optiken Seite 418
Suction and irrigation system usable with scopes page 418
Sistema de aspiración y de lavado utilizable para ópticas página 418
Système à aspiration et à irrigation à utiliser avec les optiques à la page 418
Sistema per aspirazione e lavaggio utilizzabile con ottiche pagina 418



für Optiken
for endoscopes
para ópticas
pour optiques
per ottiche

		0°/30°	70°
Ø 2,7 mm	187 mm	**66.70.01**	**66.70.03**
Ø 4,0 mm	175 mm	**66.70.05**	**66.70.07**



66.60.30

Saugglas
Suction glass
Vaso de succión
Verre d'aspiration
Bicchiere d'aspirazione

Muck

Luer-Lock



2 ml	5 ml
09.78.52	**09.78.53**
10 ml	20 ml
09.78.54	**09.78.55**

Luer-Lock

Ersatzzylinder
Spare barrels
Cilindros de repuesto
Cylindres de rechange
Cilindri di ricambio



2 ml	5 ml
09.78.42	**09.78.43**
10 ml	20 ml
09.78.44	**09.78.45**



23 cm – 9″

66.62.70

Thorwald

graduiert in cm
graduated in cm
graduado en cm
gradué en cm
graduato in cm

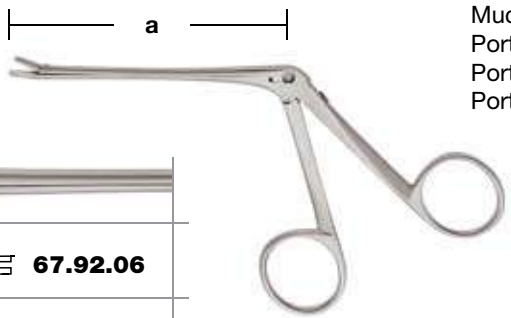


17 cm – 6¾″

67.90.05

Joseph

Schleimhaut-Nadelhalter
Mucosa needle holder
Porta-aguja para mucosa
Porte-aiguille pour muqueuse
Portaghi per mucosa



a = 6 cm – 2⅜″	**67.92.06**
a = 9 cm – 3½″	**67.92.09**

Cottle-Masing

Flexibles Naso-Pharyngoskop
Flexible Nose Pharyngoscope
Naso-Faringoscopio flexible
Pharyngoscope nasal flexible
Naso-Faringoscopio flessibile

mit Pfeilblende
with indicator
con indicación
avec lentille en forme de flèche
indicatore di orientamento



❶ **66.69.16**

- einhandbedienbar
- einlegbar
- gassterilisierbar
- one-hand operating
- immersable
- gas sterilization
- manejable con una mano sola
- sumergible
- esterilizable en gas
- maniable avec une seule main
- immersible
- stérilisable au gaz
- utilizzabile con una sola mano
- immergibile
- sterilizzabile con gas

Lieferung bestehend aus: ❶
Consisting of: ❷
Suministro compuesto de: ❸
Livraison se composant de: ❹
Fornitura compoto da: ❺

❷



Dichtigkeitsmesser
Densimetre
Densímetro
Mètre à densité
Densimetro

❸



ETO-Ventil Adapter
ETO valve adapter
Válvula ETO
Adapteur ETO
Valvola ETO

❹



Kaltlichtkabel
Fibre optic cable
Cable de luz fría
Câble fibre optique
Cavo luce fredda

❺



Aluminiumkoffer
Aluminium case
Maletín de aluminio
Valise en aluminium
Valigetta d'alluminio

Technische Daten
Technical data
Especificaciones técnicas
Caractéristiques techniques
Dati tecnici

66.69.16

Auflösung	8000 Pixel
Nutzlänge	300 mm
Arbeits-Ø	3,2 mm
Abwinkelung	auf 160°, ab 160°
Länge der abwinkelbaren Spitze	20 mm
Minimaler Biegeradius	30 mm
Blickrichtung	0° Weitwinkel
Tiefenschärfe	3 - 60 mm
Gewicht	255 gr

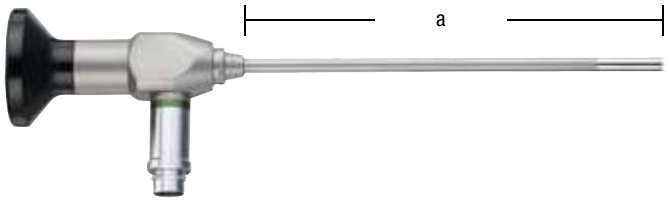
Resolution	8000 pixel
Working length	300 mm
Working-Ø	3,2 mm
Deflection	up 160°, down 160°
Length of movable tip section	20 mm
Minimum bending radius	30 mm
Field of view	0° wide angle
Depth of focus	3 - 60 mm
Weight	255 gr

La resolución	8000 Pixel
Longitud de uso	300 mm
Ø de trabajo del vástago	3,2 mm
Acodado	hasta 160°, a partir de 160°
Mínimo flexión	20 mm
Longitud de la punta acodable	30 mm
Dirección de vista	0° granangulo
Profundidad de enfoque	3 - 60 mm
Peso	255 gr

Résolution	8000 pixel
Longueur utile	300 mm
Diamètre utile	3,2 mm
Déflexion	160° en haut, 160° en bas
Longueur de la pointe flexible	20 mm
Rayon de courbure minimal	30 mm
Direction de vue	0° grand angle
Profondeur de champ	3 - 60 mm
Poids	255 gr

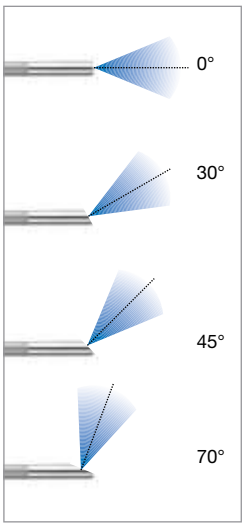
Risoluzione	8000 Pixel
Lunghezza utile	300 mm
Ø lavorativo	3,2 mm
Angolazione	in alto 160°, in basso 150°
Lunghezza della punta piegabile	20 mm
raggio di curvatura minimo	30 mm
Direzione visuale	0° grandangolare
Profondità focale	3 - 60 mm
Peso	255 gr



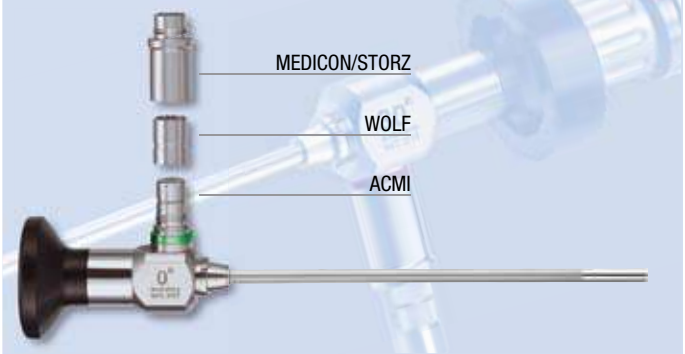


a

110 mm	**66.70.10**	Ø 2,7 mm	0°
110 mm	**66.70.13**	Ø 2,7 mm	30°
110 mm	**66.70.17**	Ø 2,7 mm	70°
175 mm	**66.70.20**	Ø 2,7 mm	0°
175 mm	**66.70.23**	Ø 2,7 mm	30°
175 mm	**66.70.27**	Ø 2,7 mm	70°
187 mm	**66.70.30**	Ø 2,7 mm	0°
187 mm	**66.70.33**	Ø 2,7 mm	30°
187 mm	**66.70.37**	Ø 2,7 mm	70°
175 mm	**66.70.40**	Ø 4,0 mm	0°
175 mm	**66.70.43**	Ø 4,0 mm	30°
175 mm	**66.70.45**	Ø 4,0 mm	45°
175 mm	**66.70.47**	Ø 4,0 mm	70°



Inklusive Adapter zum Anschluss für Lichtleitkabel:
Including adapter for connection to fiber optic cable
Incluyendo el adaptador para la conexión del cable fibra óptica
Avec adaptateur pour brancher le câble conducteur de lurniére en fibres de verre
Compreso adattatore per l'attacco di cavi conduttori di luce



Passende Handgriffe und Trokare siehe Seite 419
For suitable handles and trocars see page 419
Mangos y trócares adecuados veáse pagina 419
Manches et trocarts convenables voir page 419
Manici e trequarti adattabili ledi pagina 419

Antibeschlagmittel für Endoskope
Antifog solution for endoscopes
Liquido antiempaño para endoscopios
Moyen anti-embuant pour endoscopes
Detersivo antiappannamento per endoscopi



Sprühflasche
Spray bottle
Pulverizador
Flacon
Bottiglia spray

91.10.10
15 ml



Pipettenflasche
Pipette bottle
Botella con pipeta
Bouteille à pipette
Bottiglia a pipeta

91.10.11
25 ml



Flasche, steril
Bottle, sterile
Botella, estéril
Boutelle, stérile
Bottiglia, sterile

91.10.12
30 ml







Ø 2,7 mm
66.70.62

Ø 4,0 mm
66.70.64





Ø 2,7 mm
66.70.63

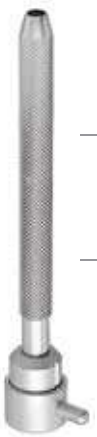
Ø 4,0 mm
66.70.65

Trokare
Trocars
Trócares
Trocarts
Trequarti



Ø 2,7 mm
66.70.51

Ø 4,0 mm
66.70.54



Ø 2,7 mm
66.70.52

Ø 4,0 mm
66.70.55

Handgriffe für Sinuskope
Handles for sinuscopes
Mangos para sinuscopios
Manches pour sinuscopes
Manici per sinoscopio



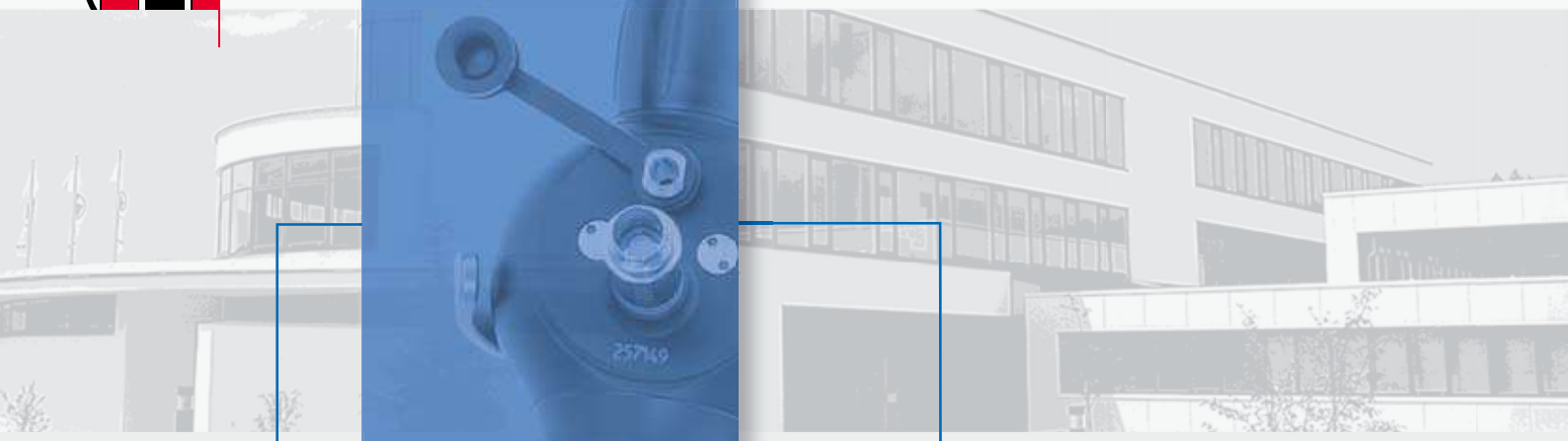
Ø 2,7 mm
66.70.67

Ø 4,0 mm
66.70.68

für Sinuskope 175 mm
for sinuscopes 175 mm
para sinuscopios 175 mm
pour sinuscopes 175 mm
per sinoscopio 175 mm

Verlängerungen für Trokarhülsen
Extensions for trocar sleeves
Alargamientos para trócares
Rallonges pour douilles de trocarts
Estensori per trequarti

Advertisement





the art of surgery

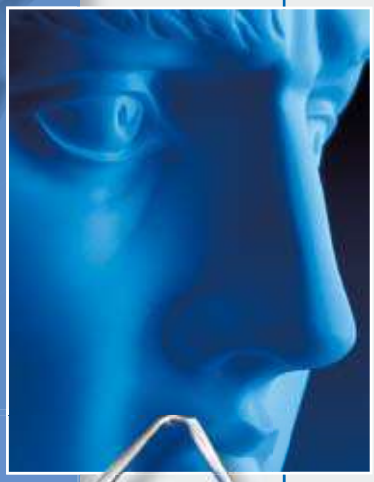
Weitere Rhinologie, Septum- und Rhinoplastik Instrumente finden Sie in unserem Gubisch Prospekt.

For further products for Rhinology, Septum and Rhinoplastic Surgery, please refer to our special brochure Gubisch

Instrumentos adicionales para la rinología, septo y rinoplastía encuentra ud en nuestro folleto aparte „Gubisch“

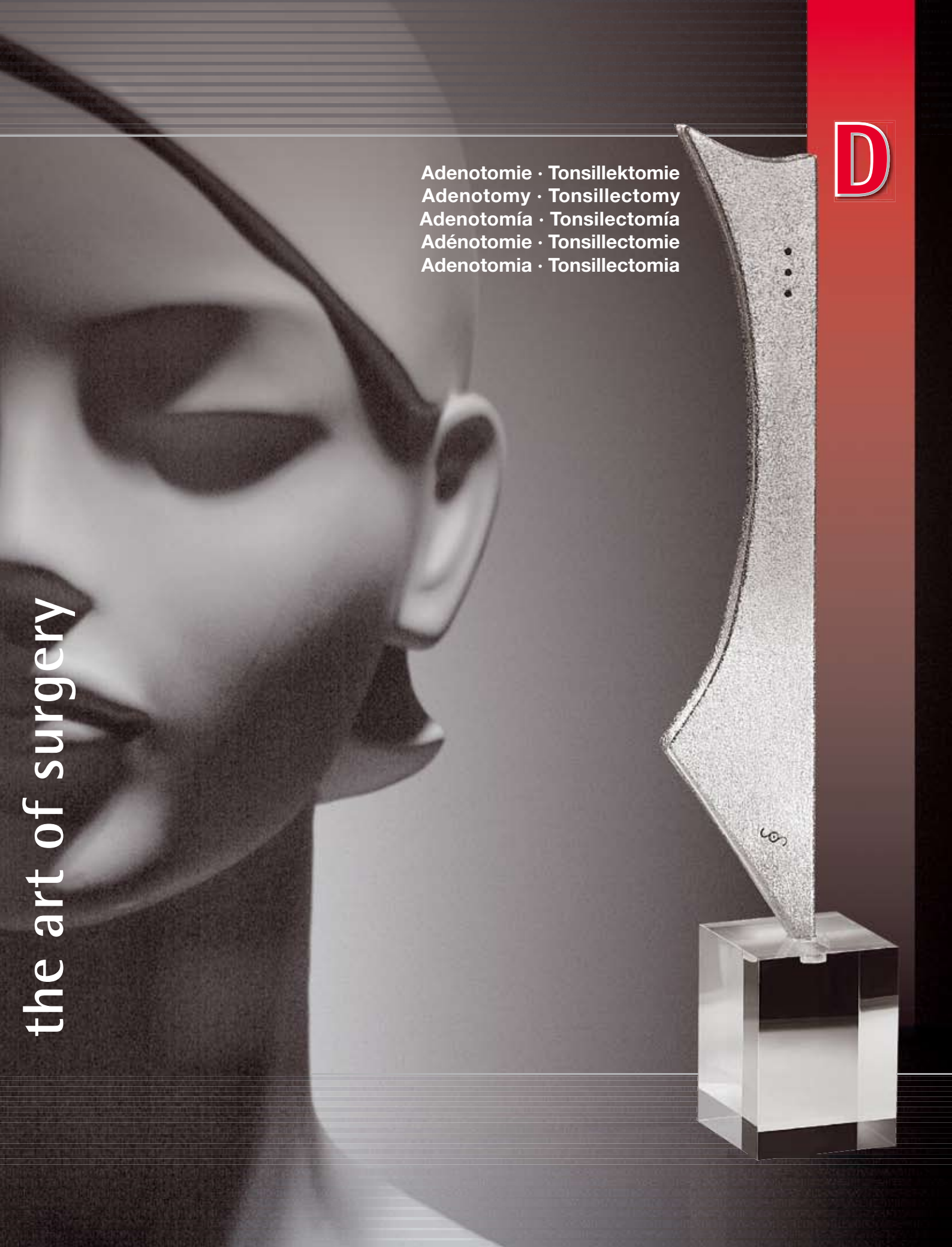
Vous trouverez d'autres instruments de rhinologie septum-et rhinoplastie dans notre prospectus gubisch.

Altri strumenti di rinologia, setto e rinoplastica si trovano nel nostro prospetto Gubisch.





Gubisch


D
Adenotomie · Tonsillektomie
Adenotomy · Tonsillectomy
Adenotomía · Tonsilectomía
Adénotomie · Tonsillectomie
Adenotomia · Tonsillectomia
the art of surgery



Lieferumfang: 2 Klingen je Fig.
Delivery with: 2 blades each size
Incluido en cada unidad: 2 hojas de cada figura
Inclus dans la livraison: 2 lames de chaque figure
Confezioni: 2 lame per figura

	23,5 cm – 9¼″
# 0	**71.11.10**
# 1	**71.11.11**
# 2	**71.11.12**
# 3	**71.11.13**

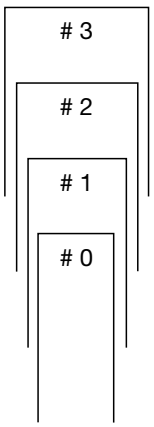
LaForce-Medicon



	23,5 cm – 9¼″
# 0	**71.11.50**
# 1	**71.11.51**
# 2	**71.11.52**
# 3	**71.11.53**

Shambaugh





# 0	**71.11.90**	10 mm
# 1	**71.11.91**	13 mm
# 2	**71.11.92**	16 mm
# 3	**71.11.93**	19 mm

Ersatzklingen allein für LaFORCE-MEDICON und SHAMBAUGH Adenotome

Replacement blades only for LaFORCE-MEDICON and SHAMBAUGH adenotomes

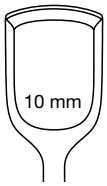
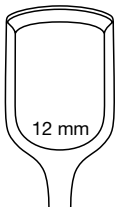
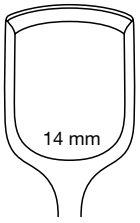
Hojas de repuesto solas para el adenotomo LaFORCE-MEDICON y SHAMBAUGH

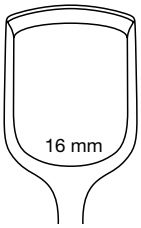
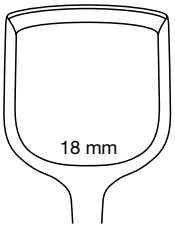
Lames de rechange seules pour adénotomes de LaFORCE-MEDICON et de SHAMBAUGH

Lame di ricambio sola per adenotomi LaFORCE-MEDICON e SHAMBAUGH



Barnhill

# 0	# 1	# 2
		
10 mm	12 mm	14 mm
22 cm – 8¾″	22 cm – 8¾″	22 cm – 8¾″
71.36.10	**71.36.12**	**71.36.14**

# 3	# 4
	
16 mm	18 mm
22 cm – 8¾″	22 cm – 8¾″
71.36.16	**71.36.18**





8 mm

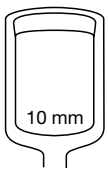
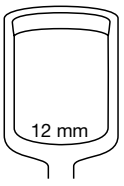
21,5 cm - 8½″

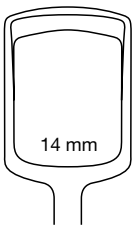
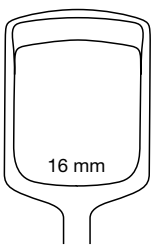
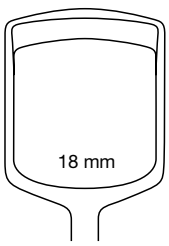
71.32.08

Vogel



Shambaugh (Negus)

# 0	# 1	# 2
		
10 mm	11 mm	12 mm
22 cm – 8¾″	22 cm – 8¾″	22 cm – 8¾″
71.47.10	**71.47.11**	**71.47.12**

# 3	# 4	# 5
		
14 mm	16 mm	18 mm
22 cm – 8¾″	22 cm – 8¾″	22 cm – 8¾″
71.47.14	**71.47.16**	**71.47.18**



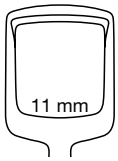
Beckmann

1



21,5 cm – 8½″
71.34.10

2



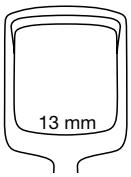
21,5 cm – 8½″
71.34.11

3



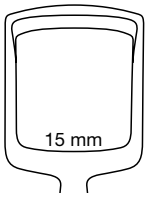
21,5 cm – 8½″
71.34.12

4



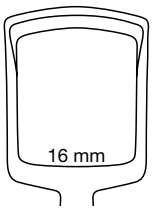
21,5 cm – 8½″
71.34.13

5



21,5 cm – 8½″
71.34.15

6



21,5 cm – 8½″
71.34.16

mit Fangkorb
with basket
con cesto colector
avec panier
con castello collettore





Beckmann

1



21,5 cm – 8½″
71.34.60

2



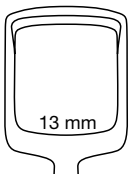
21,5 cm – 8½″
71.34.61

3



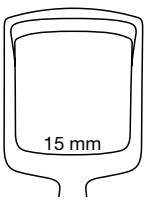
21,5 cm – 8½″
71.34.62

4



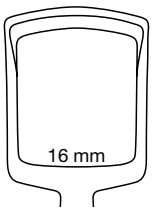
21,5 cm – 8½″
71.34.63

5



21,5 cm – 8½″
71.34.65

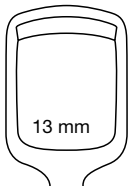
6



21,5 cm – 8½″
71.34.66



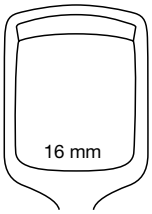
1



23 cm – 9″

71.48.11

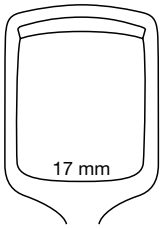
2



23 cm – 9″

71.48.12

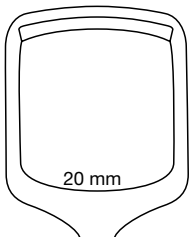
3



23 cm – 9″

71.48.14

4



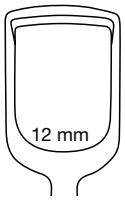
23 cm – 9″

71.48.17

St. Clair-Thomson



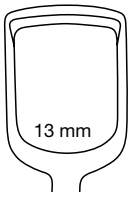
1



23 cm – 9″

71.45.12

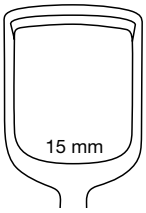
2



23 cm – 9″

71.45.13

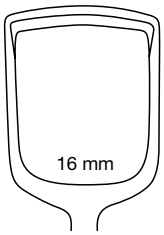
3



23 cm – 9″

71.45.15

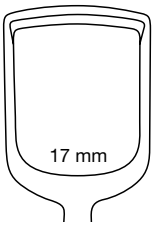
4



23 cm – 9″

71.45.16

5



23 cm – 9″

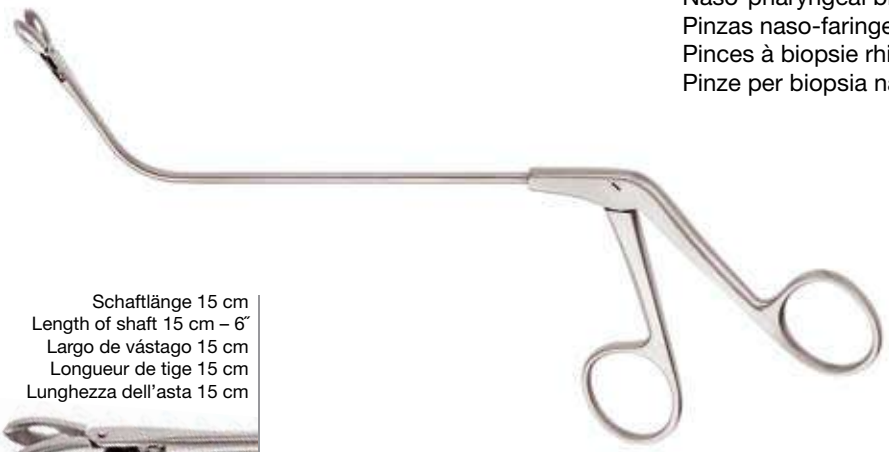
71.45.17

Katz



Nasenrachen-Biopsiezangen
Naso-pharyngeal biopsy forceps
Pinzas naso-faringeas para biopsia
Pinces à biopsie rhino-pharyngiennes
Pinze per biopsia naso faringe

15 cm – 6″



Schaftlänge 15 cm
Length of shaft 15 cm – 6″
Largo de vástago 15 cm
Longueur de tige 15 cm
Lunghezza dell'asta 15 cm





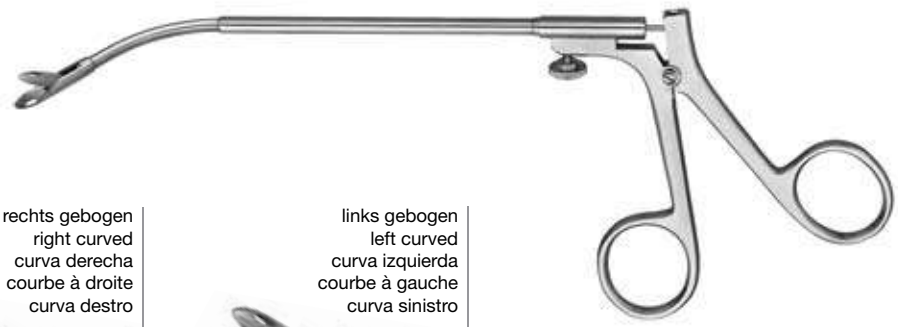
71.50.50

Schaft
Shaft
Vástago
Tige
Asta
ø **3,0** mm

Jatho

15 cm – 6″

Schaftende biegsam
flexible working end
extremo de vástago maleable
extrémité de tige malléable
terminale dell'asta malleabile



rechts gebogen
right curved
curva derecha
courbe à droite
curva destro





71.50.62

links gebogen
left curved
curva izquierda
courbe à gauche
curva sinistro



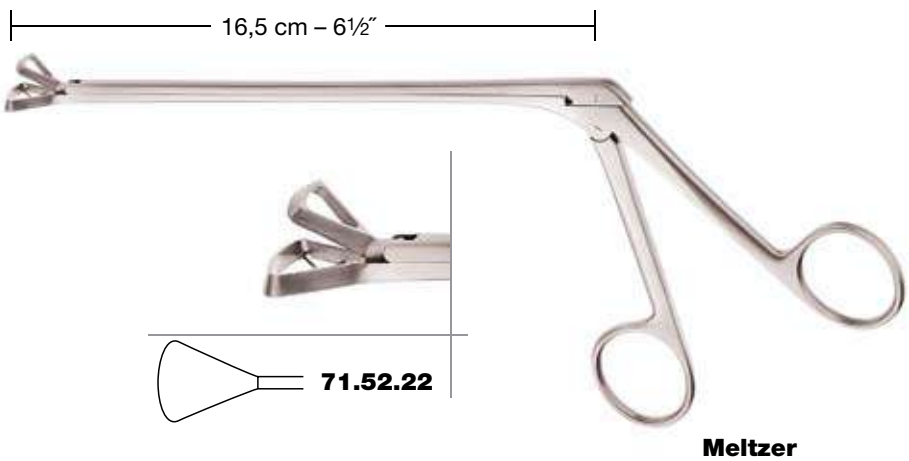


71.50.63

Schaft
Shaft
Vástago
Tige
Asta
ø **4,7** mm



Hartmann



Meltzer





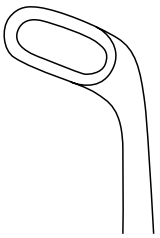
scharf
sharp
cortante
trenchant
tagliente

18 cm – 7⅛″

71.50.18

St. Clair-Thomson





scharf
sharp
cortante
trenchant
tagliente

19 cm – 7½″

71.50.19

Jurasz



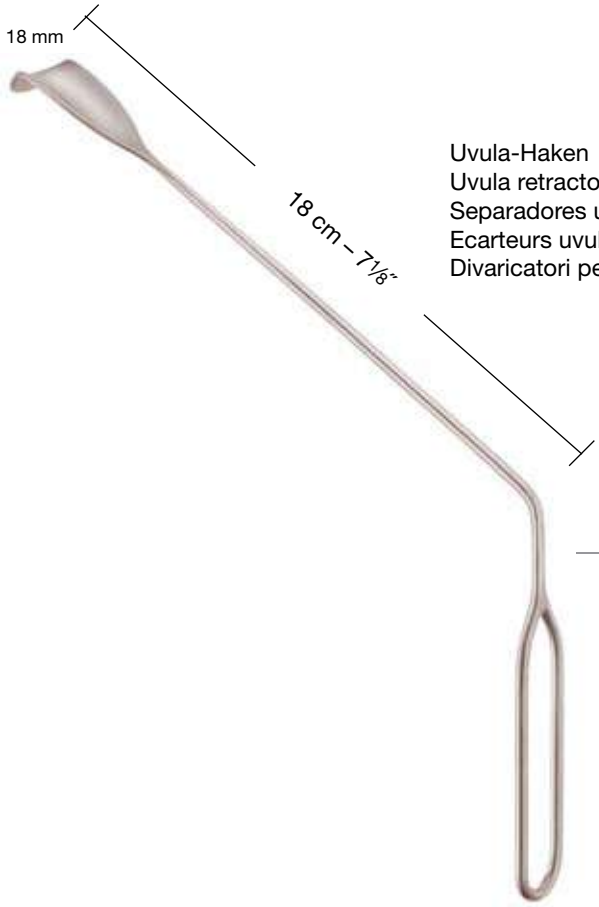
Uvula-Haken
Uvula retractors
Separadores uvulares
Ecarteurs uvulaires
Divaricatori per ugola

15 cm – 6″
71.63.18
a = 18 mm

15 cm – 6″
71.63.20
a = 20 mm

15 cm – 6″
71.63.22
a = 22 mm

Love



Uvula-Haken
Uvula retractors
Separadores uvulares
Ecarteurs uvulaires
Divaricatori per ugola

18 cm – 7⅛″
71.63.60

Lothrop



22 cm – 8¾″
71.64.23

Gaumensegelhalter
Soft palate retractors
Separadores del velo palatino
Releveurs du voile du palais
Rettrattori per velo palatino

Nager



Gaumensegelhalter
Soft palate retractors
Separadores del velo palatino
Releveurs du voile du palais
Rettrattori per velo palatino

17 cm – 6¾″
71.65.20

Haslinger



16 cm – 6¼″

72.00.01

Holz
Wood
Madera
Bois
Legno

Verpackungseinheit 100 Stück
Packing unit 100 pieces
Paquete de 100 unidades
Emballage de 100 pièces
Confezione da 100 pezzi



14,5 cm – 5¾″

72.00.10



14 cm – 5½″

72.00.15



18 cm – 7⅛″

72.00.18

Buchwald



12 cm – 4¾″

72.00.27

22/29 mm

Doyen



16 cm – 6¼″

72.00.28

30/33 mm

Doyen



16,5 cm – 6½″

72.00.35

Frenzel



19 cm – 7½″

72.00.50

Brünings

20 mm



19 cm – 7½″

72.00.85

Zungendrücker
Tongue depressor
Bajalengua
Abaisse-langue
Abbassalingua

Moritz-Schmidt

33 mm



21 cm – 8¼″

72.00.95

LeMee

Fingerschützer
Finger guard
Dedaleras
Doigt articulé
Proteggi dita



Ø 17 – 21 mm

72.01.01

1

Ø 19 – 24 mm

72.01.02

2

Ø 21 – 26 mm

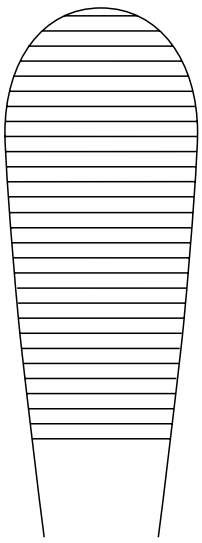
72.01.03

3

80 mm



25 mm



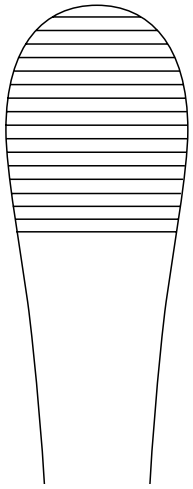
72.01.15

Tobold

75 mm



23 mm



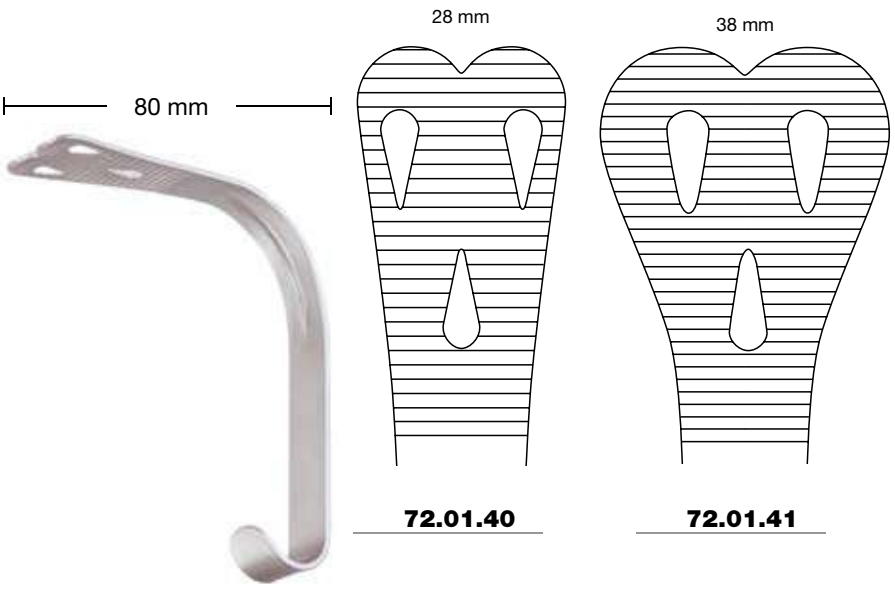
72.01.25

Hartmann



72.01.30

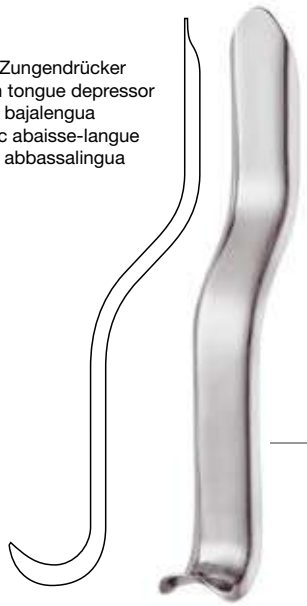
Andrews



72.01.40

72.01.41

Wieder

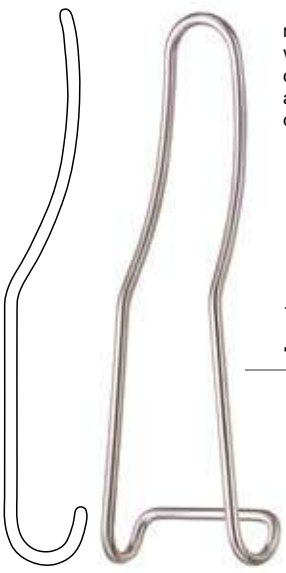


mit Zungendrücker
with tongue depressor
con bajalengua
avec abaisse-langue
con abbassalingua

15,5 cm - 6⅛″

72.02.10

Univ. Minnesota



mit Zungendrücker
with tongue depressor
con bajalengua
avec abaisse-langue
con abbassalingua

14,5 cm - 5¾″

72.02.15

Sternberg



Ø 40 mm

72.04.10

Holz
Wood
Madera
Bois
Legno



Ø 40 mm

72.04.20

Hartgummi
Hard rubber
Ebonita
Ebonite
Ebanite

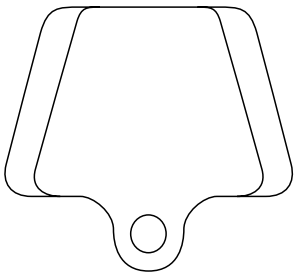
Mundkeile
Mouth gags
Abrebocas
Baîllons
Apribocca

Verpackungseinheit 2 Stück
Packing unit 2 pieces
Paquete de 2 unidades
Emballage de 2 pièces
Confezione da 2 pezzi



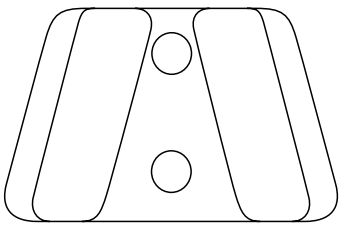
1:1

McKesson



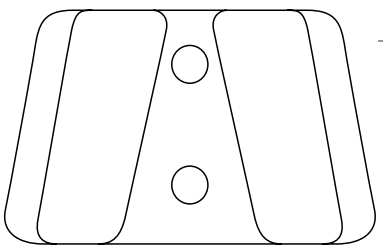
72.10.01

für Kleinkinder
for infants
para niños pequeños
pour petits enfants
per bambini piccoli



72.10.02

für Kinder
for children
para niños
pour enfants
per bambini



72.10.03

für Erwachsene
for adults
para adultos
pour adultes
per adulti



13 cm – 5⅛″

72.05.05

Heister



10 cm - 4″

72.05.10

für Kinder
for children
para niños
pour enfants
per bambini

15 cm - 6″

72.05.15

für Erwachsene
for adults
para adultos
pour adultes
per adulti

Molt



16 cm - 6¼″

72.05.45

Roser König



13 cm - 5⅛″

72.05.60

Denhart



907.20.20

Silikonschutz allein, Paar
Silicone guard only, pair
Goma de silicona solo, par
Protection en silicone seule, paire
Tappetino di silicone solo, paio





12,5 cm – 5″

72.05.61

Denhart



12,5 cm – 5″

72.05.63

Bewegliche Auflagen
Movable supports
Soportes móviles
Support mobiles
Supporti mobili

Denhart-Hoefert



14 cm - 5½″

72.05.80

für Kinder
for children
para niños
pour enfants
per bambini

20 cm – 8″

72.05.81

für Erwachsene
for adults
para adultos
pour adultes
per adulti

Mason-Ackland



Jennings

9 cm – 3½″	**72.07.09**
11 cm – 4⅜″	**72.07.11**
13 cm – 5⅛″	**72.07.13**
15 cm – 6″	**72.07.15**



Whitehead

9 cm – 3½″	**72.07.29**
11 cm – 4⅜″	**72.07.31**
13 cm – 5⅛″	**72.07.33**
15 cm – 6″	**72.07.35**

automatisch nachstellende Sperre
automatically adjusting ratchet
cremallera de ajuste automático
crémaillère se réajustant automatiquement
cremagliera ad aggiustamento automatico



Medicon

9 cm – 3½″	**72.07.49**
11 cm – 4⅜″	**72.07.51**
13 cm – 5⅛″	**72.07.53**
15 cm – 6″	**72.07.55**

72.08.20

Rahmen allein, mit Zahn- und Wangenhaken
Frame only, with tooth hooks and cheek retractors
Bastidor solo, con ganchos dentales y separadores de mejillas
Cadre seul, avec crochets à dents et ecarteurs pour jones
Telaio solo, con ganci dentali e divaricatori per guancia



72.08.00

Dingman



1
55 × 25 mm
72.08.11

2
60 × 27 mm
72.08.12

3
70 × 30 mm
72.08.13

Zungendrücker allein
Tongue depressor only
Bajalengua sola
Abaisse-langue seule
Abbassalingua solo

komplett, bestehend aus:
complete, consisting of:
completo, compuesto de:
complet, se composant de:
completo, composto da:

1	Rahmen Frame Bastidor Cadre Telaio	1×72.08.20
2	Zahnhaken Tooth hooks Ganchos dentales Crochets à dents Ganci dentali	
2	Wangenhaken Cheek retractors Separadores de mejillas Ecarteurs pour joues Divaricatori per guancia	
3	Zungendrücker Tongue depressors Bajalengua Abaisse-langues Abbassalingua	1×72.08.11 1×72.08.12 1×72.08.13

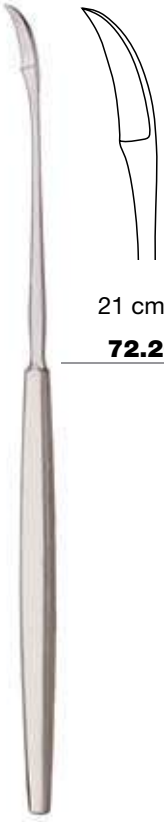
Weitere Mundsperrer finden Sie in der Sektion Narkose: Seite 181-185
More mouth gags you will find in the section anaesthesia: page 181-185
Más abrebocas están ilustradas en la sección anestesia: pagina 181-185
Vous trouverez d'autres ouvre-bouches dans la section anesthésie: page 181-185
Ulteriori apribocca sono illustrati nella sezione d'anestesia: pagina 181-185

medicon instrumente
the art of surgery



19 cm – 7½″

72.20.05



21 cm – 8¼″

72.20.35

Abraham

Ø 7 mm



20 cm – 8″

72.20.85



23 cm – 9″

72.20.40

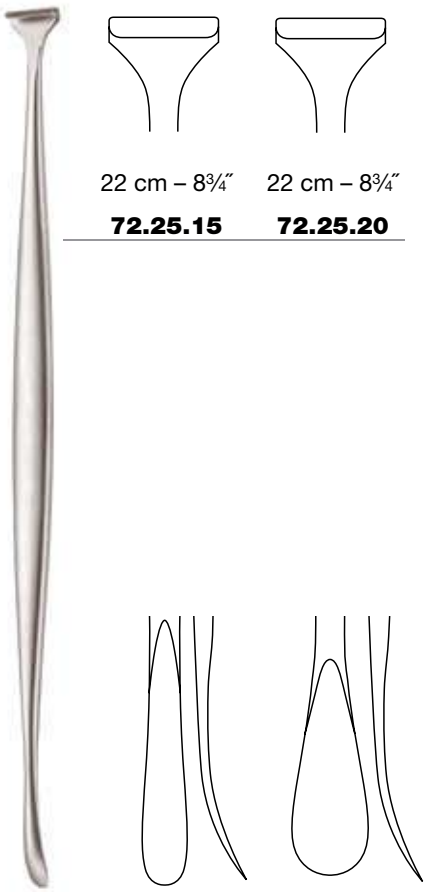
Brünings



23 cm – 9″

72.20.70

Fisher



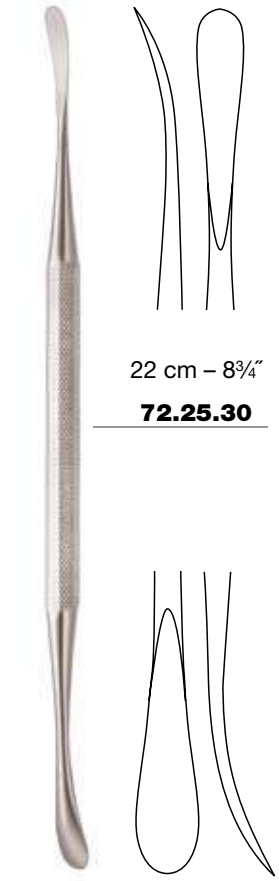
22 cm – 8¾″
72.25.15

22 cm – 8¾″
72.25.20

6 mm

10 mm

Hurd



22 cm – 8¾″
72.25.30

Alderdice

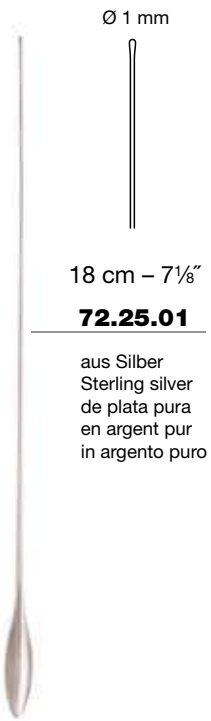


12 mm

24 cm – 9½″
72.25.35

18 mm

Henke

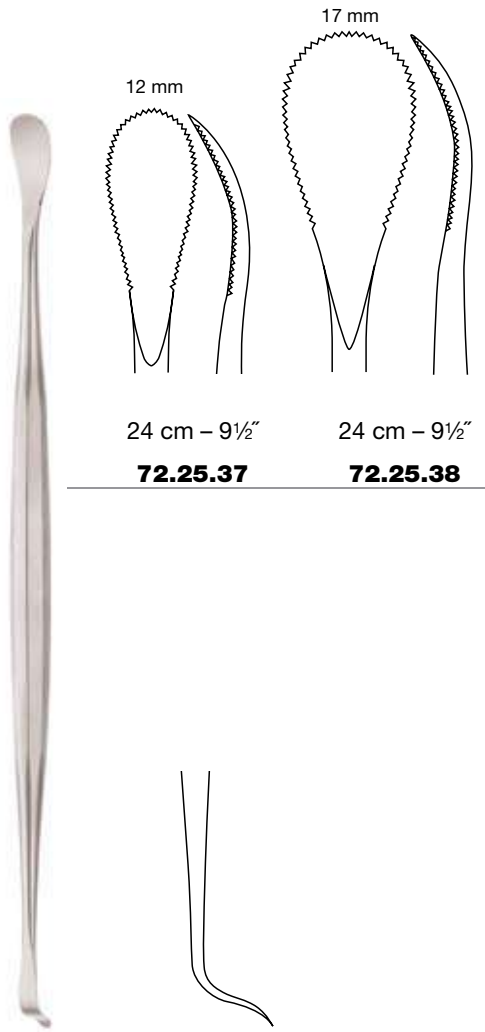


Ø 1 mm

18 cm – 7⅛″
72.25.01

aus Silber
Sterling silver
de plata pura
en argent pur
in argento puro

Seiffert



24 cm – 9½″ | 24 cm – 9½″

72.25.37 | **72.25.38**

Henke



23 cm – 9″

72.25.40

mit Absaugvorrichtung
with suction device
con aspiración
avec aspiration
con aspiratore

Lopez-Reinke

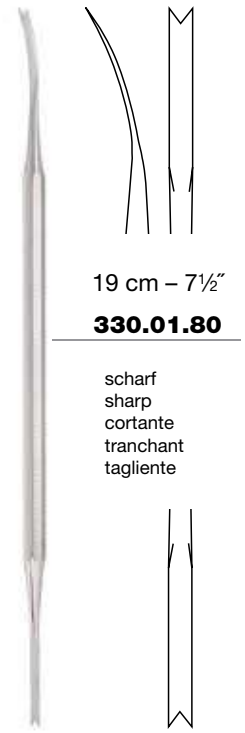


27 cm – 10¾″

72.25.45

Enukleator
Enucleator
Enucleador
Enucléateur
Enucleatore

Carpenter



19 cm – 7½″

330.01.80

scharf
sharp
cortante
tranchant
tagliente

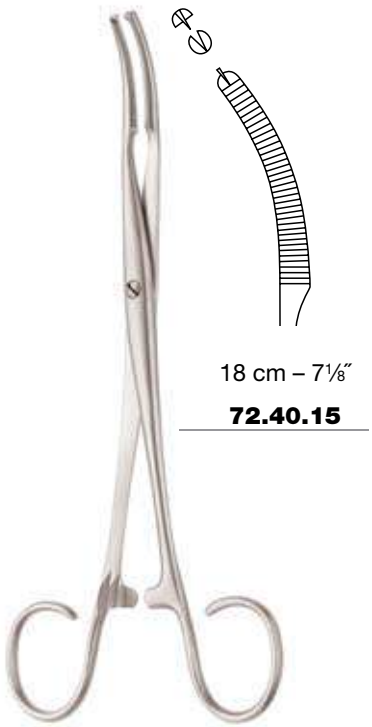
Luniatschek



22 cm – 8¾″

72.40.05

Marschik



18 cm – 7⅛″

72.40.15

Mikulicz



18 cm – 7⅛″

72.40.18

White



19 cm – 7½″

72.40.19

Colver



20 cm – 8″

72.40.20

Marschik-Krone



21 cm – 8¼″

72.40.21

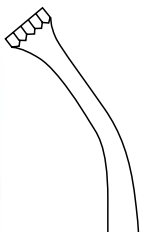
Blohmke



20,5 cm – 8″

72.40.22

Abraham





23 cm – 9″

72.40.23

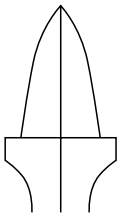
White



21 cm – 8¼″

72.40.50

Tyding





20 cm – 8″

72.40.90

Thilenius

1



19 cm – 7½″

72.42.21

Negus # 1

2



19 cm – 7½″

72.42.22

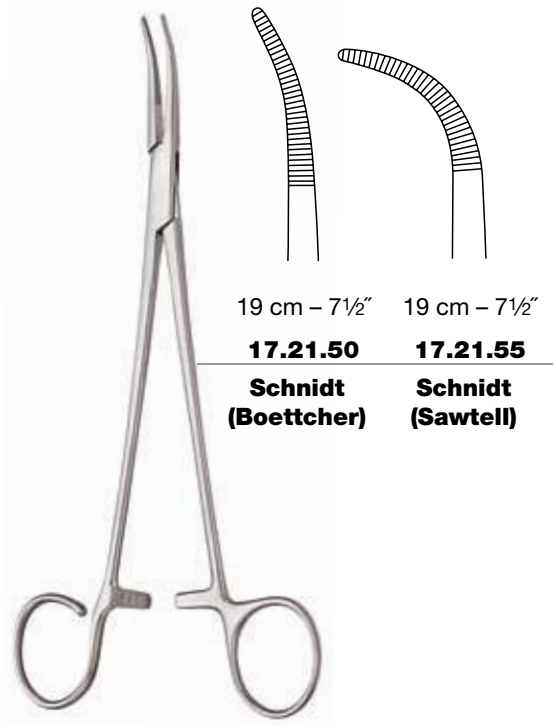
Negus # 2



18,5 cm – 7¼″

72.42.90

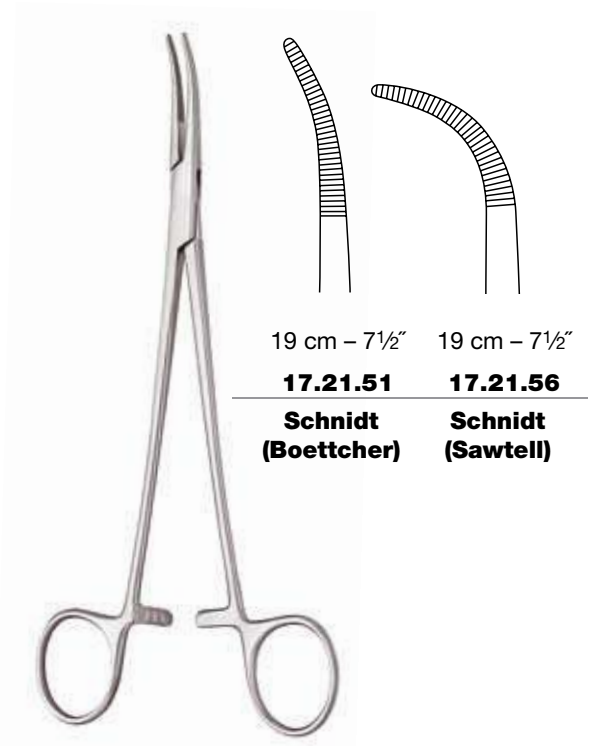
McWorther-Lothrop



19 cm – 7½″ | 19 cm – 7½″

17.21.50 | **17.21.55**

Schnidt (Boettcher) | **Schnidt (Sawtell)**

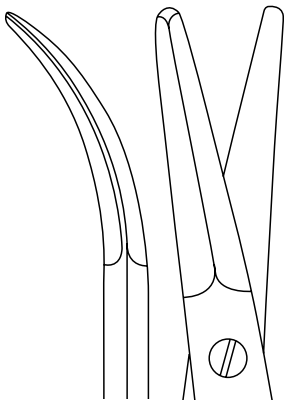


19 cm – 7½″ | 19 cm – 7½″

17.21.51 | **17.21.56**

Schnidt (Boettcher) | **Schnidt (Sawtell)**



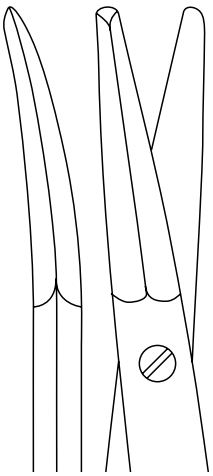


18 cm – 7⅛″

standard **72.45.20**

Prince



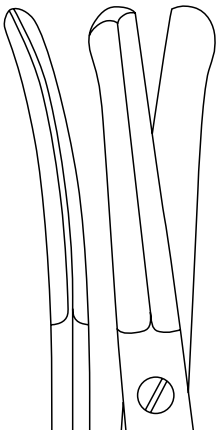


18 cm – 7⅛″

standard **72.45.25**

Boettcher



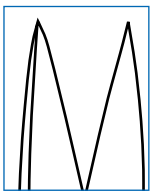


19 cm – 7½″

standard **72.45.30**

Good

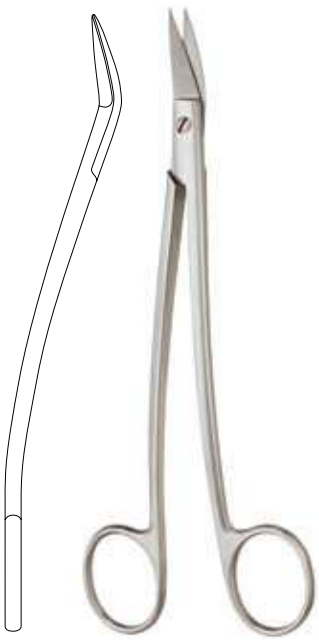
* gezahnte Schneide
serrated cutting edge
hoja dentada
lame dentelée
lama dentellata





17 cm - 6¾″

standard	**72.45.50***
supercut	**272.45.50**
black line	**282.45.50**



Dean

Lieferung mit 3 Drahtschlingen
Delivery with 3 wire loops
Suministro con 3 lazos de alambre
La livraison comprend 3 anses en fil
Consegna con 3 anse di filo



29 cm – 11⅜″

72.50.05

mit Sperre
with catch
con cremallera
avec crémaillère
con cremagliera

Brünings

Lieferung mit 3 vorgeformten Schnürerdrähten
Delivery with 3 preshaped snare wires
Suministro con 3 alambres para cierranudos, preformados
La livraison comprend 3 fils pour serre-nœud, pré coupés
Consegna con 3 fili per serranodi, preformati



27 cm – 10¾″

72.50.10

Eves



27 cm – 10¾″

72.50.11

mit Sperre
with catch
con cremallera
avec crémaillère
con cremagliera

Eves

Tonsillenschnürer mit geradem Aufsatz
Tonsil snare with straight tip
Amigdalótomos con terminal recto
Serre-noeud amygdaliens avec embout droit
Serranodo per tonsille con terminale retto



72.50.53

gerader Aufsatz allein
straight tip only
Terminal recto solo
Embout droit seul
Terminale retto solo

Lieferung mit 3 vorgeformten Schnürerdrähten
Delivery with 3 preshaped snare wires
Suministro con 3 alambres para cierranudos, preformados
La livraison comprend 3 fils pour serre-nœud, pré coupés
Consegna con 3 fili per serranodi, preformati



72.50.51

Tyding



27 cm – 10¾″

72.50.25

für Kunststoff-Faden
for synthetic stitch
para hilo sintético
pour fibre synthétique
per filo di plastica

Roeder Mod. E

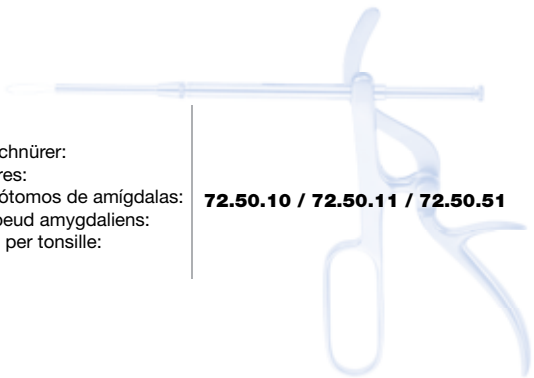


Ø 0,35 mm	Ø 0,40 mm	Ø 0,45 mm
66.15.43	**66.15.44**	**66.15.45**

Standardgröße
Standard size
Espesor estándar
Epaisseur standard
Spessore standard

Schnürerdrähte
Snare wires
Alambres para amigdalótomos
Fils pour serre-noeud
Fili per serranodi

Rolle zu 10 m
Coil 10 m (33.3 ft.)
Rollo de 10 m
Rouleau de 10 m
Rotolo da 10 m



für Tonsillenschnürer:
for tonsil snares:
para amigdalótomos de amígdalas:
pour serre-noeud amygdaliens:
per serranodi per tonsille:

72.50.10 / 72.50.11 / 72.50.51



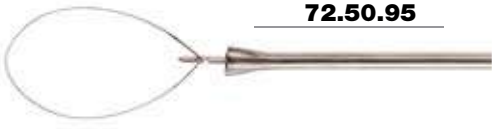
Ø 0,35 mm	Ø 0,40 mm	Ø 0,45 mm	Ø 0,50 mm
72.50.96	**72.50.97**	**72.50.98**	**72.50.99**

Standardgröße
Standard size
Espesor estándar
Epaisseur standard
Spessore standard

Schnürerdrähte, vorgeformt
Snare wires, preshaped
Alambres para amigdalótomos, preformados
Fils pour serre-noeud, pré coupés
Fili per serranodi, preformati

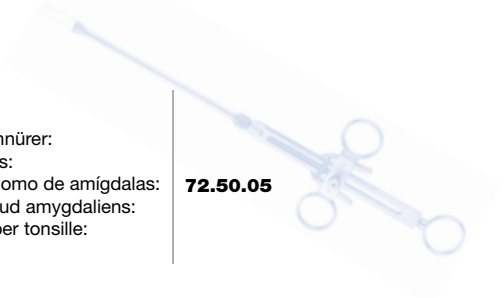
Verpackungseinheit 100 Stück
Packing unit 100 pieces
Paquete de 100 unidades
Emballage de 100 pièces
Confezione da 100 pezzi

Ø 0,4 mm
72.50.95



Drahtschlingen, gelötet
Wire loops, soldered
Lazos de alambre, soldados
Anses en fil, soudées
Anse di filo, saldati

Verpackungseinheit 100 Stück
Packing unit 100 pieces
Paquete de 100 unidades
Emballage de 100 pièces
Confezione da 100 pezzi



für Tonsillenschnürer:
for tonsil snares:
para amigdalótomo de amígdalas:
pour serre-noeud amygdaliens:
per serranodi per tonsille:

72.50.05



72.60.10

Sluder-Ballenger

bestehend aus:	1 Griff und je 1 Aufsatz Fig. 1-3
consisting of:	1 handle and 1 blade each fig. 1-3
ompuesto de:	1 mango y 1 cuchillo de cada una de las fig. 1-3
se composant de:	1 manche et 1 embout de chaque des fig. 1-3
omposto da:	1 manico e 1 lame di ogni fig. 1-3

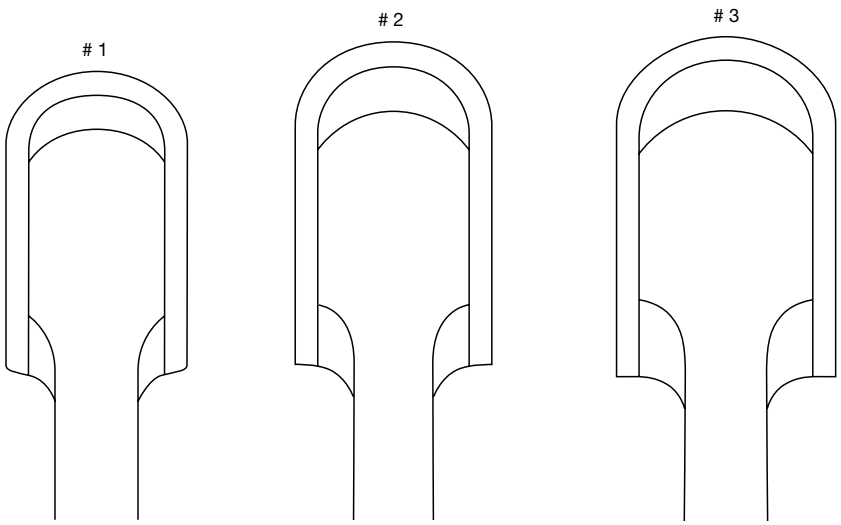
Griff allein
Handle only
Mango solo
Manche seul
Manico solo



72.60.19

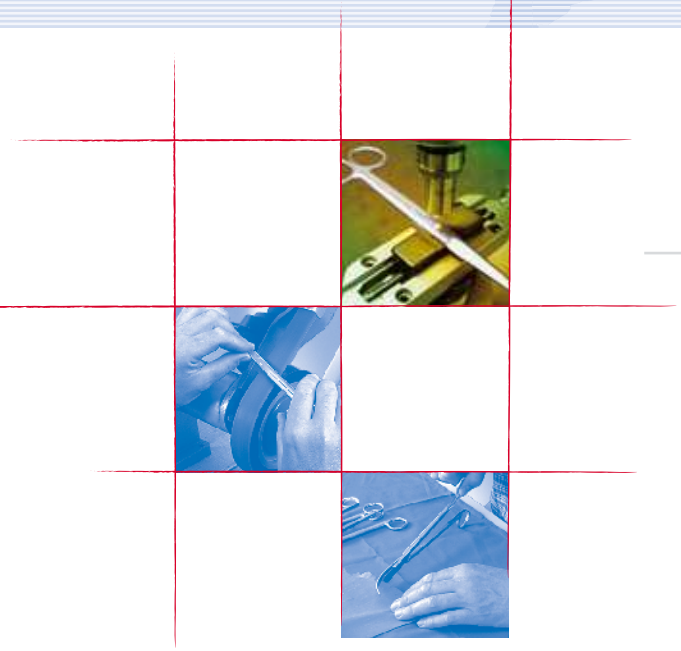
Aufsätze allein
Blades only
Cuchillos solos
Embouts seuls
Lame sole





18 mm	20 mm	23 mm
72.60.21	**72.60.22**	**72.60.23**

Sluder-Ballenger



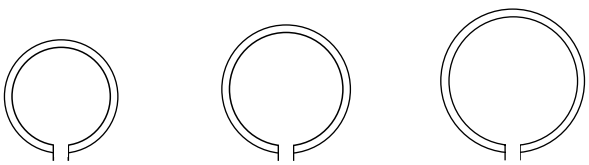
Advertisement

Zuverlässig. Schnell. Effizient
Reliable. Fast. Efficient.
Eficaz. Rápido. Eficiente.
Consciencieux. Rapide. Productif.
Fidato. Veloce. Efficiente

Medicon Reparatur Service



scharf
sharp
cortante
tranchant
tagliente



Ø 13 mm	Ø 15 mm	Ø 17 mm
72.65.13	**72.65.15**	**72.65.17**

Hartmann

Ø 0,8 mm



Luer-Lock



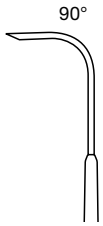
12 cm – 4¾″

72.95.10



12 cm – 4¾″

72.95.14



12 cm – 4¾″

72.95.19

Luer-Lock



2 ml **09.78.52**

5 ml **09.78.53**

10 ml **09.78.54**

Luer-Lock



1 ml **09.78.31**

2 ml **09.78.32**

5 ml **09.78.33**

10 ml **09.78.34**

Luer-Lock



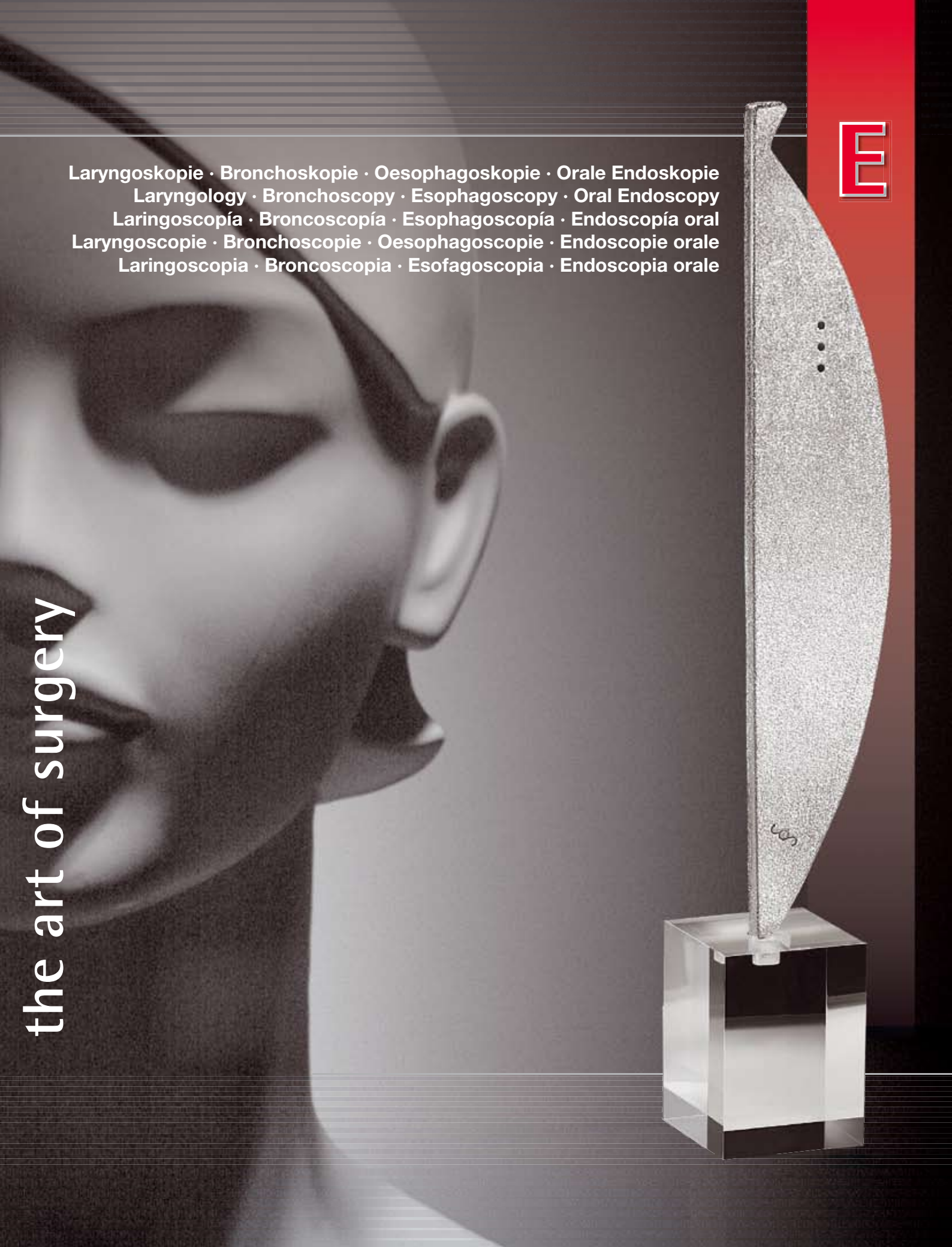
1 ml **09.78.41**

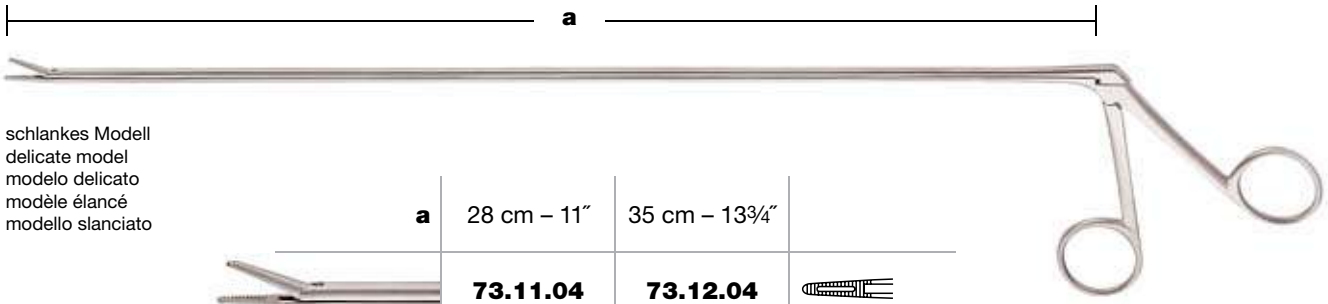
2 ml **09.78.42**

5 ml **09.78.43**

10 ml **09.78.44**

Ersatzzylinder
Spare barrels
Cilindros de repuesto
Cylindres de rechange
Cilindri di ricambio

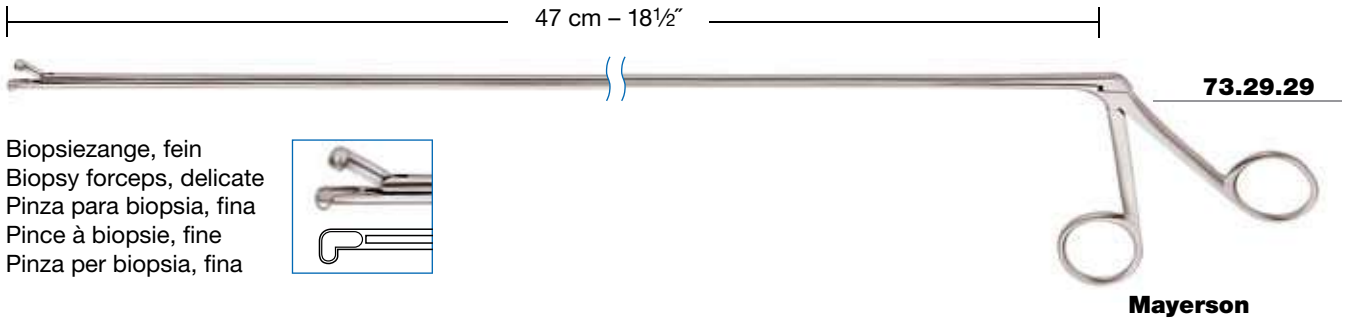

Laryngoskopie · Bronchoskopie · Oesophagoskopie · Orale Endoskopie
Laryngology · Bronchoscopy · Esophagoscopy · Oral Endoscopy
Laringoscopía · Broncoscopía · Esophagoscopía · Endoscopía oral
Laryngoscopie · Bronchoscopie · Oesophagoscopie · Endoscopie orale
Laringoscopia · Broncoscopia · Esofagoscopia · Endoscopia orale
E
the art of surgery



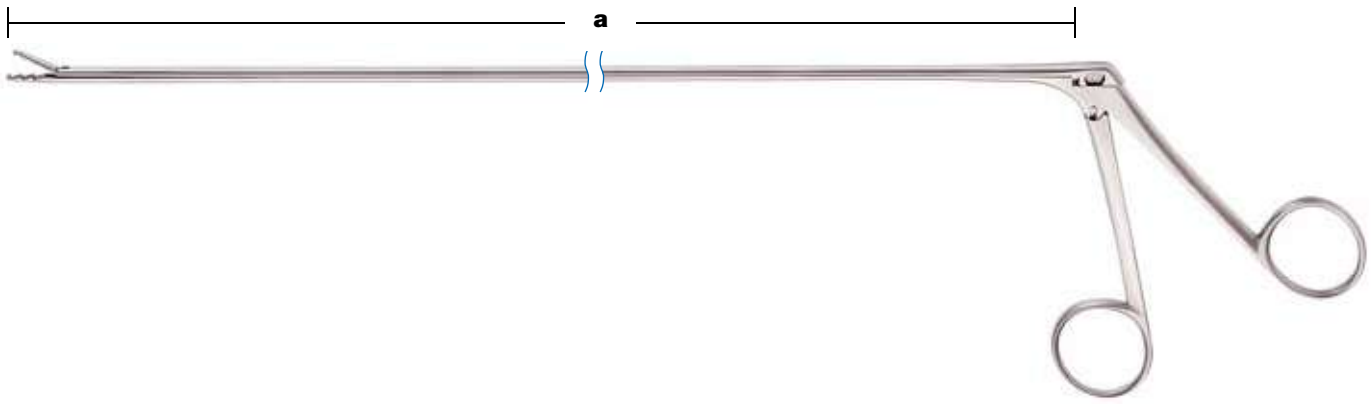
schlankes Modell
delicate model
modelo delicato
modèle élancé
modello slanciato

a	28 cm – 11″	35 cm – 13¾″	
	**73.11.04**	**73.12.04**	
	**73.11.12**	**73.12.12**	 Ø 2 mm
	**73.11.17**	**73.12.17**	 Ø 2 mm

a	28 cm – 11″	35 cm – 13¾″	
	**73.11.20**	**73.12.20**	 **Patterson**
	**73.11.31**	**73.12.31**	
	**73.11.35**	**73.12.35**	

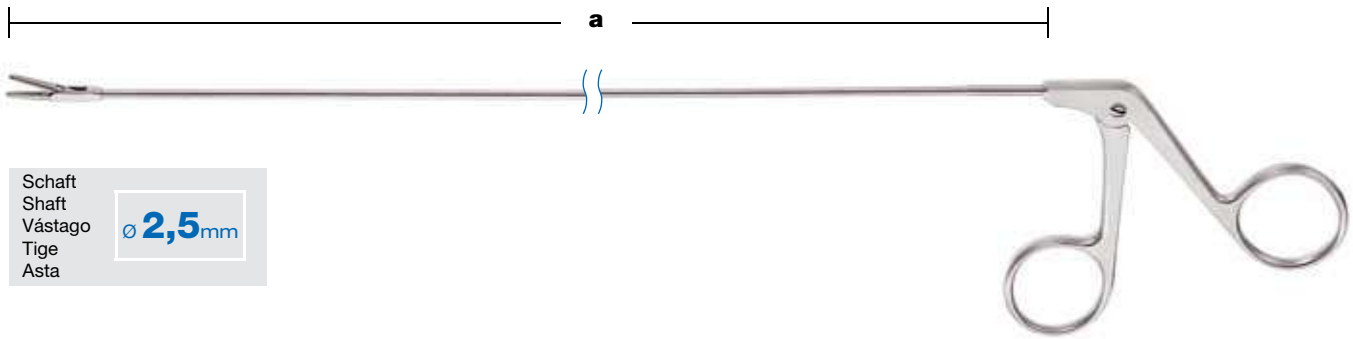


Biopsiezange, fein
Biopsy forceps, delicate
Pinza para biopsia, fina
Pince à biopsie, fine
Pinza per biopsia, fina



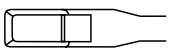
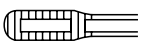
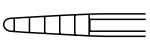
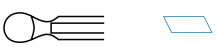
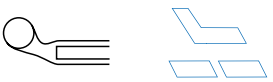
Jackson

a	30 cm – 11¾″	40 cm – 15¾″	50 cm – 19¾″	60 cm – 23¾″	
	**73.13.04**	**73.14.04**	**73.15.04**	**73.16.04**	
	**73.13.05**	**73.14.05**	**73.15.05**	**73.16.05**	
	**73.13.06**	**73.14.06**	**73.15.06**	**73.16.06**	
	**73.13.12**	**73.14.12**	**73.15.12**	**73.16.12**	 Ø 2 mm
	73.13.14	**73.14.14**	**73.15.14**	**73.16.14**	 Ø 4 mm
	**73.13.17**	**73.14.17**	**73.15.17**	**73.16.17**	 Ø 2 mm
	73.13.19	**73.14.19**	**73.15.19**	**73.16.19**	 Ø 4 mm
	**73.13.20**	**73.14.20**	**73.15.20**	**73.16.20**	 **Patterson**
	**73.13.31**	**73.14.31**	**73.15.31**	**73.16.31**	
	**73.13.35**	**73.14.35**	**73.15.35**	**73.16.35**	



Schaft
Shaft
Vástago
Tige
Asta

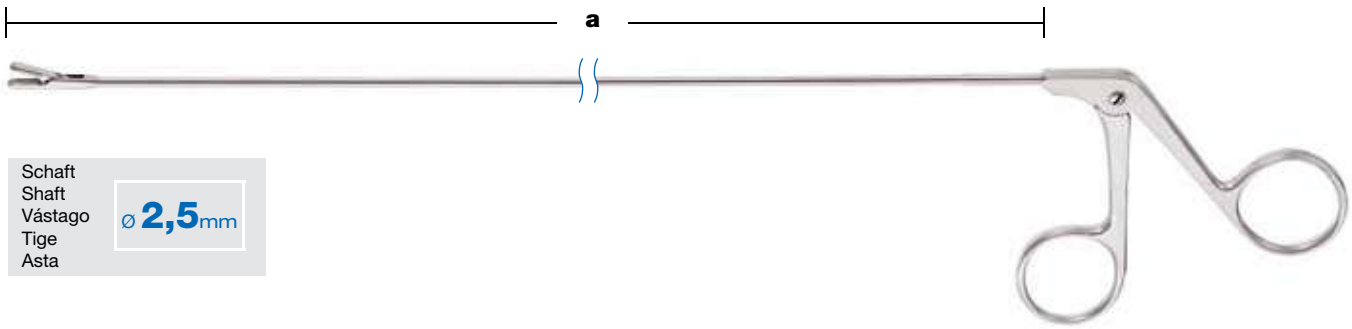
ø **2,5**mm

	a	40 cm – 15¾″	50 cm – 19¾″	60 cm – 23¾″	
		**73.19.00**	**73.20.00**	**73.21.00**	
		**73.19.01**	**73.20.01**	**73.21.01**	
		**73.19.02**	**73.20.02**	**73.21.02**	
		**73.19.03**	**73.20.03**	**73.21.03**	
		**73.19.04**	**73.20.04**	**73.21.04**	
		**73.19.05**	**73.20.05**	**73.21.05**	
		**73.19.06**	**73.20.06**	**73.21.06**	

gerade
straight
recta
droite
retta

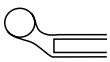
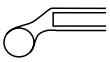
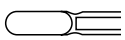
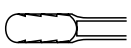
aufgewinkelt
angled upwards
angulada hacía arriba
coudées en haut
angolata in su

horizontal öffnend
horizontal opening
apertura horizontal
ouverture horizontale
apertura orizzontale



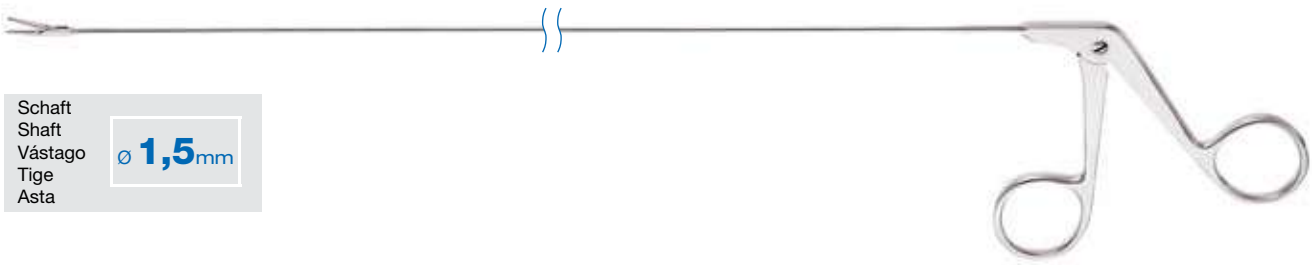
Schaft
Shaft
Vástago
Tige
Asta

ø **2,5**mm

a	40 cm – 15¾″	50 cm – 19¾″	60 cm – 23¾″	
	**73.19.07**	**73.20.07**	**73.21.07**	 rechts gebogen curved right curva derecha courbées à droite curva destro
	**73.19.08**	**73.20.08**	**73.21.08**	 links gebogen curved left curva izquierda courbées à gauche curva sinistro
	**73.19.09**	**73.20.09**	**73.21.09**	
	**73.19.10**	**73.20.10**	**73.21.10**	
	**73.19.11**	**73.20.11**	**73.21.11**	
	**73.19.12**	**73.20.12**	**73.21.12**	

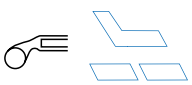
Laryngo- und Kinder-Bronchoskopiezangen
Laryngeal and Pediatric Bronchoscopy Forceps
Pinzas laringo y broncoscópicas para niños
Pinces laryngo et bronchoscopiques pour enfants
Pinze per laringo e broncoscopia per bambini

35 cm – 13¾″



Schaft
Shaft
Vástago
Tige
Asta

ø **1,5**mm

	**73.22.00**	
	**73.22.01**	
	**73.22.02**	
	**73.22.03**	
	**73.22.04**	
	**73.22.05**	

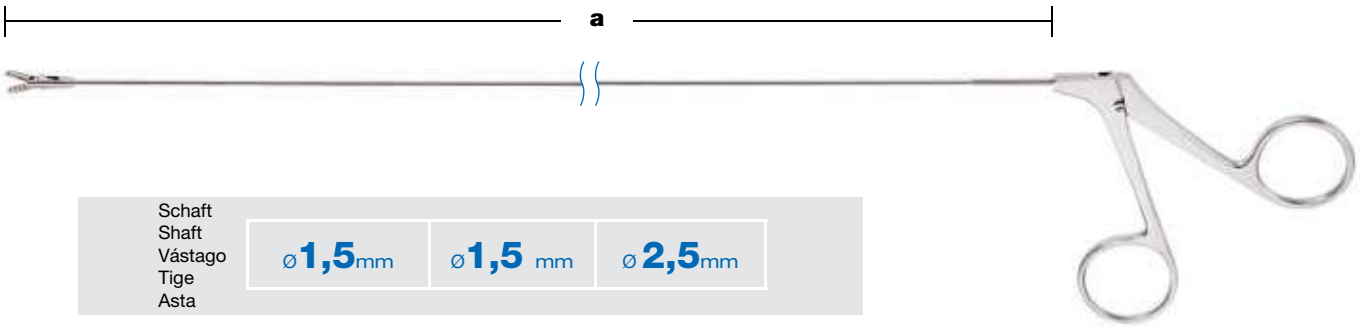
	**73.22.06**	 rechts gebogen curved right curva derecho courbées à droite curva destro
	**73.22.07**	 links gebogen curved left curva izquierdo courbées à gauche curva sinistro
	**73.22.08**	
	**73.22.09**	
	**73.22.10**	

Medicon Instrumente
the art of surgery

gerade
straight
recta
droite
retta

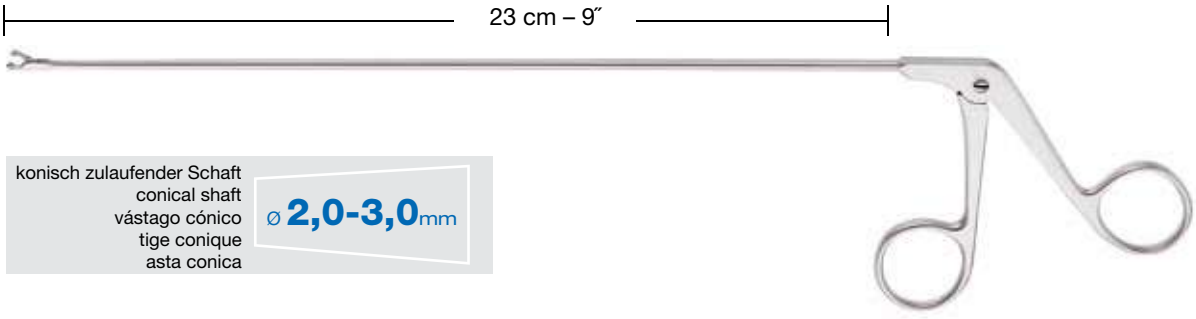

aufgewinkelt
angled upwards
angulada hacía arriba
coudées en haut
angolata in su

horizontal öffnend
horizontal opening
apertura horizontal
ouverture horizontale
apertura orizzontale



Schaft Shaft Vástago Tige Asta	ø 1,5 mm	ø 1,5 mm	ø 2,5 mm	
a	25 cm – 10″	35 cm – 13¾″	35 cm – 13¾″	
	**73.22.30**	**73.22.31**	**73.22.32**	
	**73.22.40**	**73.22.41**	**73.22.42**	
	**73.22.50**	**73.22.51**	**73.22.52**	
	**73.22.60**	**73.22.61**	**73.22.62**	

Schaft Shaft Vástago Tige Asta	ø 2,5 mm	
a	55 cm – 21¾″	
	**73.22.33**	
	**73.22.43**	
	**73.22.53**	
	**73.22.63**	



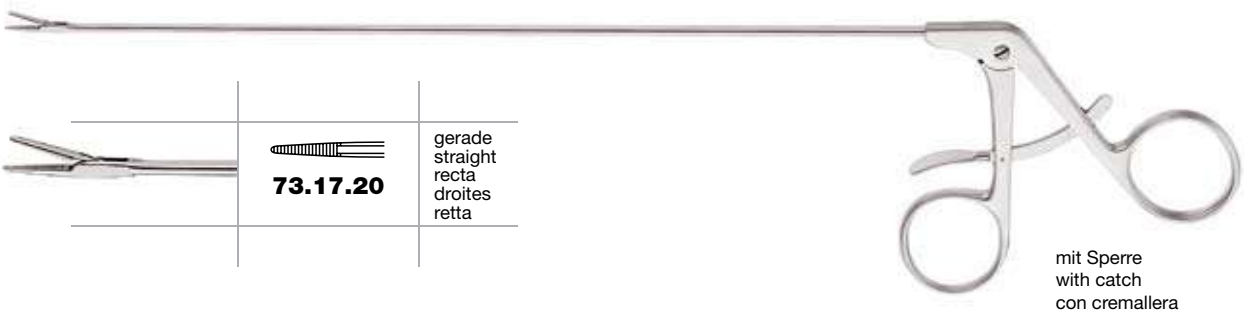
konisch zulaufender Schaft
conical shaft
vástago cónico
tige conique
asta conica

ø **2,0-3,0**mm

	Ø 2 mm	Ø 4 mm	
	**73.17.01**	**73.17.10**	gerade straight recta droites retta
	**73.17.02**	**73.17.11**	aufgewinkelt angled upwards angulada hacía arriba coudées en haut angolata in su
	**73.17.03**	**73.17.12**	rechts gebogen curved right curva derecha courbées à droite curva destro
	**73.17.04**	**73.17.13**	links gebogen curved left curva izquierda courbées à gauche curva sinistro
	**73.17.05**		rechts aufgebogen curved right upwards curva derecha hacía arriba courbées à droite en haut curva destro in su
	**73.17.06**		links aufgebogen curved left upwards curva izquierda hacía arriba courbées à gauche en haut curva sinistro in su
	**73.17.07**		rechts gebogen, horizontal öffnend curved right, horizontal opening curva derecha, abertura horizontal courbées à droite, ouverture horizontale curva destro, apertura orizzontale
	**73.17.08**		links gebogen, horizontal öffnend curved left, horizontal opening curva izquierda, abertura horizontal courbées à gauche, ouverture horizontale curva sinistro, apertura orizzontale
		**73.17.09**	gerade straight recta droites retta
		**73.17.16**	aufgewinkelt angled upwards angulada hacía arriba coudées en haut angolata in su
		**73.17.17**	aufgebogen, rechts öffnend curved upwards, right opening curva hacía arriba, apertura derecha courbées en haut, ouverture à droite curva in su, apertura destro
		**73.17.18**	aufgebogen, links öffnend curved upwards, left opening curva hacía arriba, apertura izquierda courbées en haut, ouverture à gauche curva in su, apertura sinistra

medicon instrumente
the art of surgery

23 cm – 9″



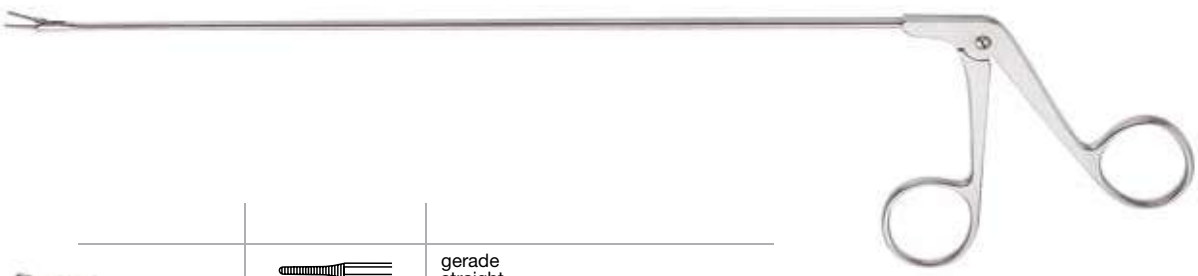
	73.17.20	gerade straight recta droites retta

mit Sperre
with catch
con cremallera
avec crémaillère
con cremagliera

konisch zulaufender Schaft
conical shaft
vástago cónico
tige conique
asta conica

ø **2,0-3,0** mm

23 cm – 9″



	**73.17.21**	gerade straight recta droites retta
	**73.17.24**	gerade, horizontal öffnend straight, horizontal opening recta, apertura horizontal droites, ouverture horizontale retta, apertura orizzontale
	**73.17.22**	rechts gebogen curved right curva derecha courbées à droite curva destro
	**73.17.23**	links gebogen curved left curva izquierda courbées à gauche curva sinistro
	**73.17.05**	aufgewinkelt angled upwards angulada hacía arriba coudées en haut angolata in su
	**73.17.26**	aufgebogen, horizontal öffnend curved upwards, horizontal opening curva hacía arriba, apertura horizontal courbées en haut, ouverture horizontale curva in su, apertura orizzontale

23 cm – 9″



konisch zulaufender Schaft
conical shaft
vástago cónico
tige conique
asta conica
ø **2,0-3,0**mm

	**73.17.27**	aufgebogen, rechts öffnend curved upwards, right opening curva hacía arriba, abertura derecha courbées en haut, ouverture à droite curva in su, apertura destro
	**73.17.28**	aufgebogen, links öffnend curved upwards, left opening curva hacía arriba, apertura izquierda courbées en haut, ouverture à gauche curva in su, apertura sinistrae
	**73.17.29**	gerade straight recta droites retta
	**73.17.30**	aufgewinkelt angled upwards angulada hacía arriba coudées en haut angolata in su

Stimmbandhaltezangen
Vocal cord holding forceps
Pinzas para agarrar cuerdas vocales
Pinces à fixer les cordes vocales
Pinze per tenere le corde vocali

23 cm – 9″

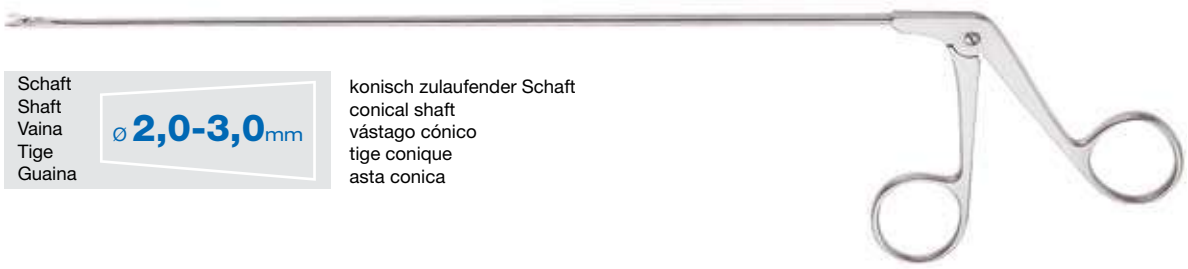


konisch zulaufender Schaft
conical shaft
vástago cónico
tige conique
asta conica
ø **2,0-3,0**mm

Arnold

	**73.17.31**	rechts gebogen curved right curva derecha courbées à droite curva destro
	**73.17.32**	links gebogen curved left curva izquierda courbées à gauche curva sinistro

23 cm – 9″

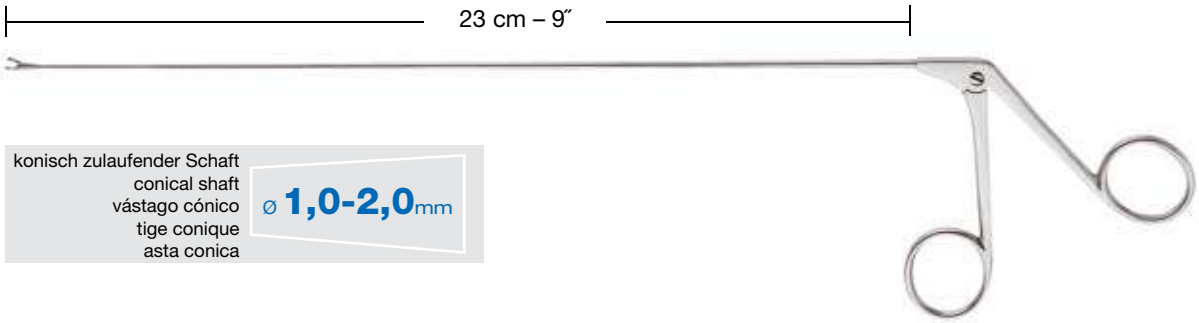


Schaft
Shaft
Vaina
Tige
Guaina

ø **2,0-3,0**mm

konisch zulaufender Schaft
conical shaft
vástago cónico
tige conique
asta conica

	 **73.17.34**	gerade, horizontal schneidend straight, horizontal cutting recta, corte horizontal droites, à coupe horizontale retta, taglio orizzontale
	 **73.17.35**	gerade straight recta droites retta
	 45° **73.17.36**	aufgewinkelt angled upwards angulada hacía arriba coudées en haut angolata in su
	 15° **73.17.37**	aufgewinkelt angled upwards angulada hacía arriba coudées en haut angolata in su
	 **73.17.38**	rechts gebogen curved right curva derecha courbées à droite curva destro
	 **73.17.33**	links gebogen curved left curva izquierda courbées à gauche curva sinistro



konisch zulaufender Schaft
conical shaft
vástago cónico
tige conique
asta conica

Ø **1,0-2,0**mm

	Ø 1 mm	
	**73.17.40**	gerade straight recta droites retta
	**73.17.41**	aufgebogen curved upwards curva hacía arriba courbées en haut curva in su
	**73.17.42**	rechts gebogen curved right curva derecha courbées à droite curva destro
	**73.17.43**	links gebogen curved left curva izquierda courbées à gauche curva sinistro
	**73.17.44**	aufgebogen, 45° rechts curved upwards, 45° right curva hacía arriba, 45° derecha courbées en haut, 45° à droite curva in su, 45° destro
	**73.17.45**	aufgebogen, 45° links curved upwards, 45° left curva hacía arriba, 45° izquierda courbées en haut, 45° à gauche curva in su, 45° sinistro

23 cm – 9″

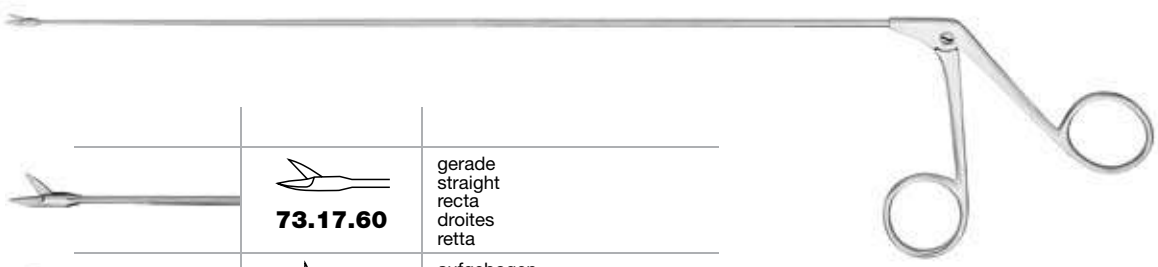


	73.17.50	gerade straight recta droites retta
	**73.17.51**	aufgebogen curved upwards curva hacía arriba courbées en haut curva in su
	**73.17.52**	rechts gebogen curved right curva derecha courbées à droite curva destro
	**73.17.53**	links gebogen curved left curva izquierda courbées à gauche curva sinistro
	**73.17.54**	aufgebogen, 45° rechts curved upwards, 45° right curva hacía arriba, 45° derecha courbées en haut, 45° à droite curva in su, 45° destro
	**73.17.55**	aufgebogen, 45° links curved upwards, 45° left curva hacía arriba, 45° izquierda courbées en haut, 45° à gauche curva in su, 45° sinistro

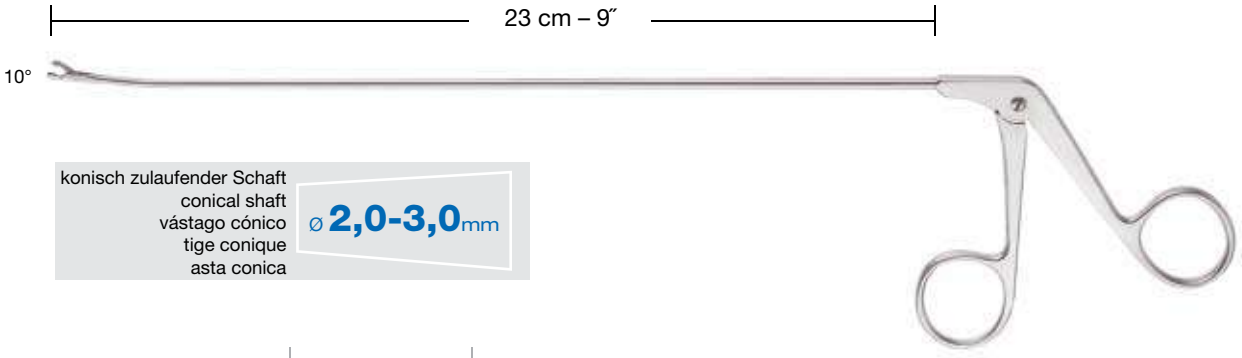
konisch zulaufender Schaft
conical shaft
vástago cónico
tige conique
asta conica

ø **1,0-2,0**mm

23 cm – 9″



	73.17.60	gerade straight recta droites retta
	45° **73.17.61**	aufgebogen curved upwards curva hacía arriba courbées en haut curva in su
	**73.17.62**	rechts gebogen curved right curva derecha courbées à droite curva destro
	**73.17.63**	links gebogen curved left curva izquierda courbées à gauche curva sinistro

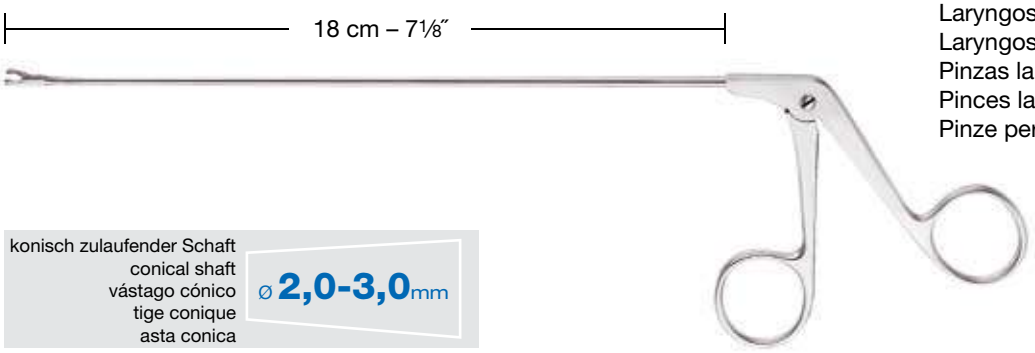


konisch zulaufender Schaft
conical shaft
vástago cónico
tige conique
asta conica
ø **2,0-3,0**mm

	Ø 2 mm	
	**73.17.70**	gerade straight recta droites retta
	**73.17.71**	aufgebogen curved upwards curva hacía arriba courbées en haut curva in su
	**73.17.72**	rechts gebogen curved right curva derecha courbées à droite curva destro
	**73.17.73**	links gebogen curved left curva izquierda courbées à gauche curva sinistro

	**73.17.74**	gerade straight recta droites retta
	**73.17.75**	aufgebogen curved upwards curva hacía arriba courbées en haut curva in su
	**73.17.76**	rechts gebogen curved right curva derecha courbées à droite curva destro
	**73.17.77**	links gebogen curved left curva izquierda courbées à gauche curva sinistro

Laryngoskopiezangen für Kinder
Laryngoscopy forceps for children
Pinzas laringoscopicas para niños
Pinces laryngoscopiques pour enfants
Pinze per laryngoscopia per bambini

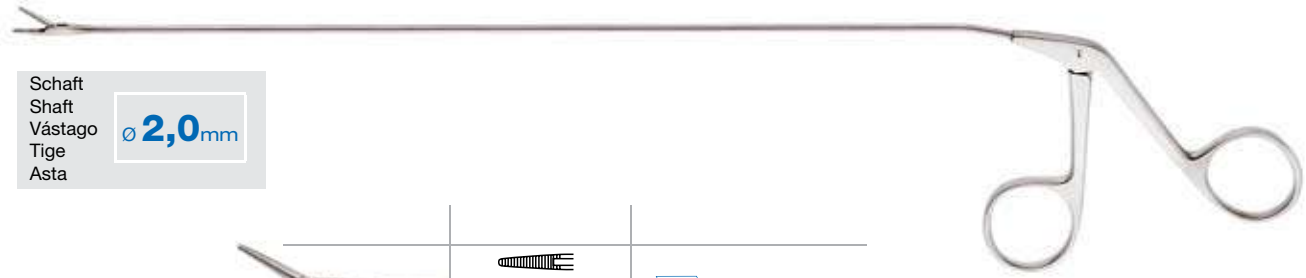


konisch zulaufender Schaft
conical shaft
vástago cónico
tige conique
asta conica
ø **2,0-3,0**mm

	Ø 1 mm	Ø 2 mm	Ø 3 mm	
	 **73.18.04**	 **73.18.00**	 **73.18.02**	gerade straight recta droites retta
	 **73.18.05**	 **73.18.01**	 **73.18.03**	aufgebogen curved upwards curva hacía arriba courbées en haut curva in su

	 **73.18.07**	gerade straight recta droites retta
	 45° **73.18.08**	aufgebogen curved upwards curva hacía arriba courbées en haut curva in su
	 **73.18.09**	rechts gebogen curved right curva derecha courbées à droite curva destro
	 **73.18.10**	links gebogen curved left curva izquierda courbées à gauche curva sinistro
	 Ø 4 mm **73.18.11**	horizontal öffnend horizontal opening apertura horizontal ouverture horizontale apertura orizzontale
	 **73.18.06**	gerade straight recta droites retta

24 cm – 9½″



Schaft
Shaft
Vástago
Tige
Asta
ø **2,0**mm

	**73.30.00**	
	**73.30.02**	rechts gebogen curved right curva derecha courbées à droite curva destro
	**73.30.03**	links gebogen curved left curva izquierda courbées à gauche curva sinistro
	**73.30.10**	
	**73.30.11**	
	**73.30.12**	rechts gebogen curved right curva derecha courbées à droite curva destro
	**73.30.13**	links gebogen curved left curva izquierda courbées à gauche curva sinistro
	**73.30.20**	
	**73.30.21**	
	**73.30.22**	rechts gebogen curved right curva derecha courbées à droite curva destro
	**73.30.23**	links gebogen curved left curva izquierda courbées à gauche curva sinistro
	**73.30.25**	
	**73.30.65**	Maulteile gefenstert jaw fenestrated boca fenestrada mors fenêtré morso fenestrato

 gerade
straight
recta
droite
retta

 aufgewinkelt
angled upwards
angulada hacía arriba
coudées en haut
angolata in su

24 cm – 9½″



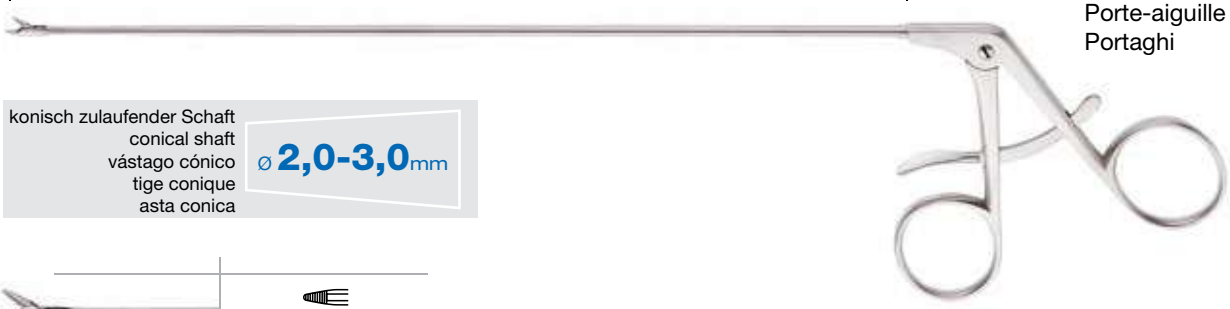
Schaft
Shaft
Vástago
Tige
Asta

ø **2,0**mm

	**73.30.40**	gerade straight recta droites retta
	**73.30.41**	aufgewinkelt angled upwards angulada hacía arriba coudées en haut angolata in su
	**73.30.42**	rechts gebogen curved right curva derecha courbées à droite curva destro
	**73.30.43**	links gebogen curved left curva izquierda courbées à gauche curva sinistro
	**73.30.44**	abgewinkelt angled downwards angulada hacía abajo coudées en bas angolata in giù
	**73.30.45**	gerade, horizontal schneidend straight, horizontal cutting recta, corte horizontal droites, à coupe horizontale retta, taglio orizzontale

Nadelhalter
Needle holder
Porta-aguja
Porte-aiguille
Portaghi

23 cm – 9″



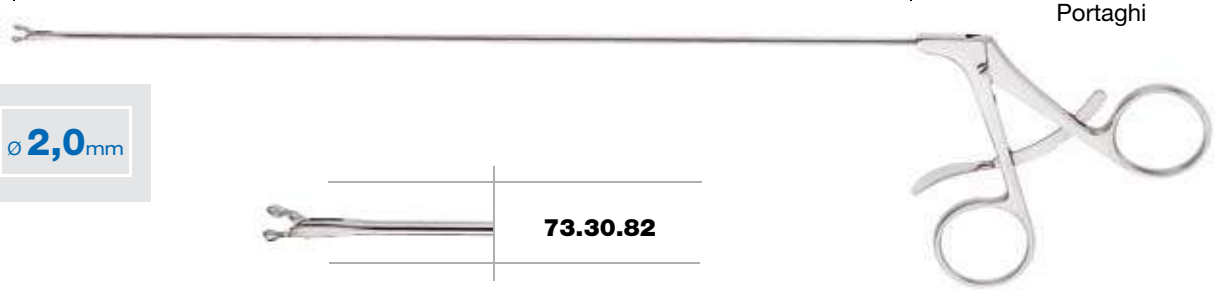
konisch zulaufender Schaft
conical shaft
vástago cónico
tige conique
asta conica

ø **2,0-3,0**mm

	**73.30.80**	

Nadelhalter
Needle holder
Porta-aguja
Porte-aiguille
Portaghi

23 cm – 9″

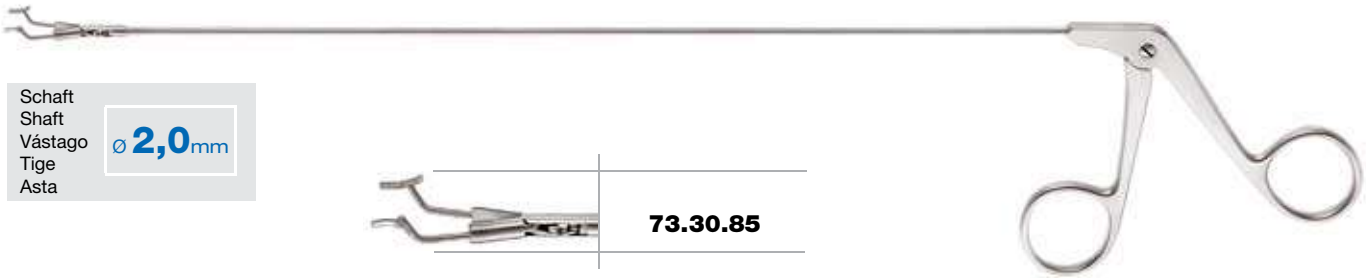


Schaft
Shaft
Vástago
Tige
Asta
ø **2,0**mm

73.30.82

Stimmbandspreizer
Vocal cord retractor
Separador cuerdas vocales
Ecarteur cordes vocales
Divaricatore corde vocali

27 cm – 10¾″



Schaft
Shaft
Vástago
Tige
Asta
ø **2,0**mm

73.30.85

Saugkanülen
Suction cannulas
Cánulas de aspiración
Canules à aspiration
Cannule per aspirazione



Ø 2mm

73.17.80

Ø 3mm



73.17.81

Nutzlänge 25 cm
Working length 25 cm-10“
Largo útil 25 cm
Longueur utile 25 cm
Lunghezza utile 25 cm



Universalgriff für Verlängerungsrohre
Universal handle for prolongation tubes
Mango universal para tubos de alargamiento
Manche universel pour tubes de rallonge
Manico universale per tubi di prolungamento

73.40.10

Medicon-Universal

Verlängerungsrohre
Prolongation tubes
Tubos de alargamiento
Tubes de rallonge
Tubi di prolungamento



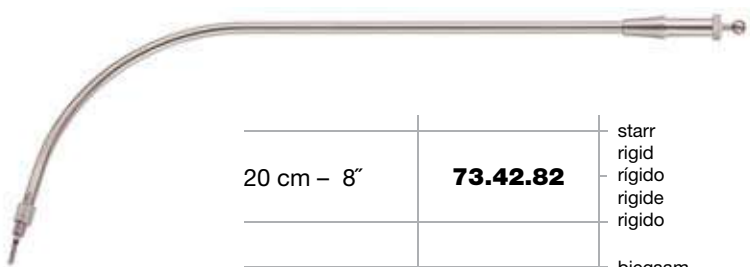
20 cm – 8″	**73.41.20**	starr rigid rígido rigide rigido
30 cm – 11¾″	**73.41.30**	
40 cm – 15¾″	**73.41.40**	
50 cm – 19¾″	**73.41.50**	
60 cm – 23¾″	**73.41.60**	

Schaft
Shaft
Vástago
Tige
Asta
ø **4,3**mm



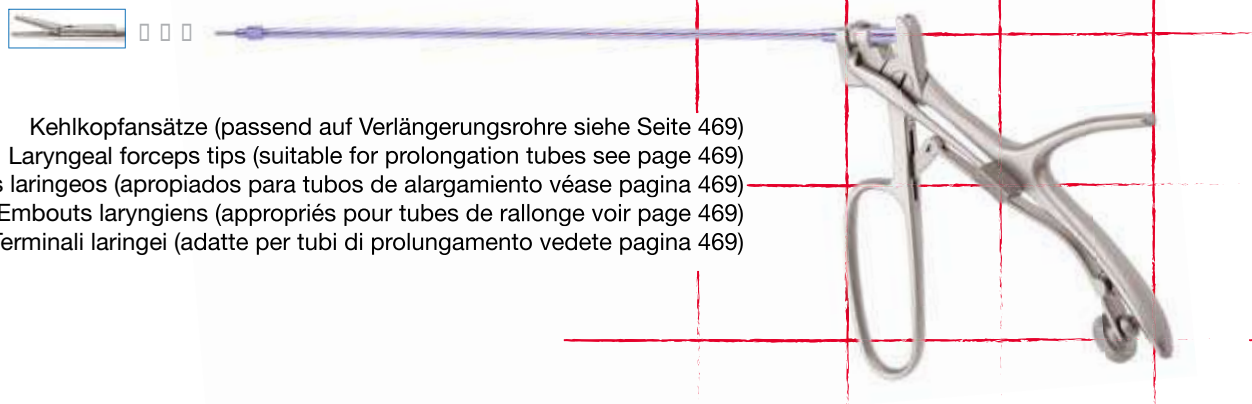
20 cm – 8″	**73.42.20**	starr rigid rígido rigide rigido
30 cm – 11¾″	**73.42.30**	
40 cm – 15¾″	**73.42.40**	
50 cm – 19¾″	**73.42.50**	
60 cm – 23¾″	**73.42.60**	

Schaft
Shaft
Vástago
Tige
Asta
ø **4,3**mm



20 cm – 8″	**73.42.82**	starr rigid rígido rigide rigido
20 cm – 8″	**73.42.92**	biegsam malleable maleable malléable malleabile

Schaft
Shaft
Vástago
Tige
Asta
ø **4,3**mm



Kehlkopfansätze (passend auf Verlängerungsrohre siehe Seite 469)
Laryngeal forceps tips (suitable for prolongation tubes see page 469)
Terminales laringeos (apropiados para tubos de alargamiento véase pagina 469)
Embouts laryngiens (appropriés pour tubes de rallonge voir page 469)
Terminali laringei (adatte per tubi di prolungamento vedete pagina 469)



73.43.01 **Fränkel**



73.43.03 **Fränkel**



73.43.05 **Fränkel**



73.43.06 **Seiffert**



73.43.08 **Eicken**



Ø 5 mm
73.43.10 **Killian**



Ø 3 mm
73.43.13
Ø 4 mm
73.43.14 **Brünings**



73.43.15 **Lange**



Ø 3 mm
73.43.18
Ø 4 mm
73.43.19 **Brünings**



73.43.20 **Fränkel**



2,5 x 5 mm
73.43.22
3 x 6 mm
73.43.23 **Brünings**



73.43.27 **Scheinmann**



73.43.31 **Krause**



73.43.34 **Krause**



73.43.35 **Krause**

Kehlkopfansätze (passend auf Verlängerungsrohre siehe Seite 469)
Laryngeal forceps tips (suitable for prolongation tubes see page 469)
Terminales laringeos (apropiados para tubos de alargamiento véase pagina 469)
Embouts laryngiens (appropriés pour tubes de rallonge voir page 469)
Terminali laringei (adatte per tubi di prolungamento vedete pagina 469)



73.43.37 **Scheinmann**



73.43.40 **Schumacher**



Ø 4 mm
73.43.50 **Cordes**



Ø 4 mm
73.43.51 **Cordes**



1 – 3 mm
73.43.61 **Cordes (Rosenberg)**



2 – 4 mm
73.43.62 **Cordes (Rosenberg)**



3 – 5 mm
73.43.63 **Cordes (Rosenberg)**



5 mm
73.43.70 **Cordes**



1 – 3 mm
73.43.66
2 – 4 mm
73.43.67
3 – 5 mm
73.43.68
4 – 8 mm
73.43.69

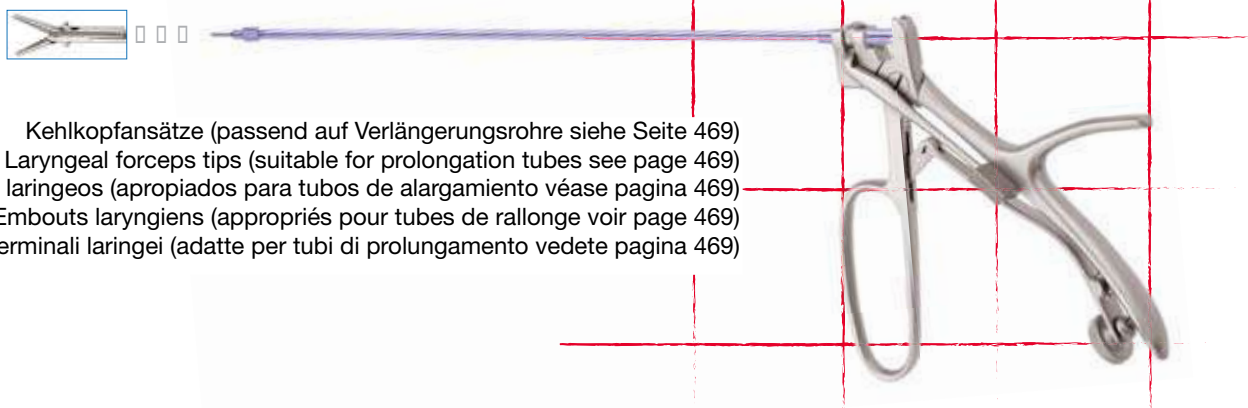


1
73.43.71
2
73.43.72



73.43.76

Cordes



Kehlkopfansätze (passend auf Verlängerungsrohre siehe Seite 469)
Laryngeal forceps tips (suitable for prolongation tubes see page 469)
Terminales laringeos (apropiados para tubos de alargamiento véase pagina 469)
Embouts laryngiens (appropriés pour tubes de rallonge voir page 469)
Terminali laringei (adatte per tubi di prolungamento vedete pagina 469)



73.44.01 **Fränkel**

73.44.06 **Seiffert**



73.44.08 **Eicken**



Ø 5 mm
73.44.10 **Killian**



Ø 3 mm
73.44.13
Ø 4 mm
73.44.14 **Brünings**



73.44.20 **Fränkel**



2,5 × 5 mm
73.44.22
3,0 × 6 mm
73.44.23 **Brünings**



73.44.27 **Scheinmann**



73.44.34
73.44.35 **Krause**

17 cm - 6¾″



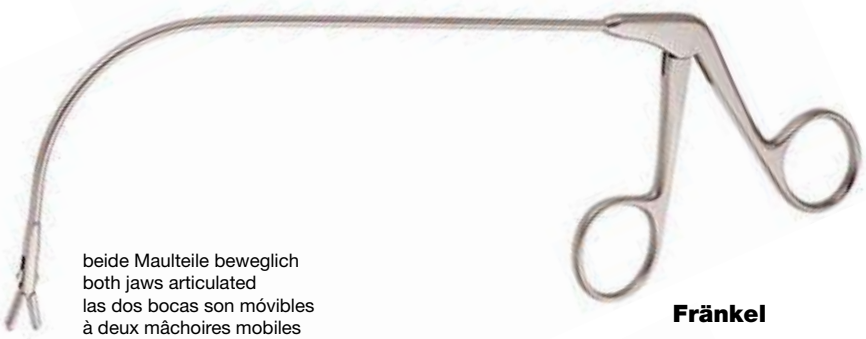
Jurasz



73.46.01	▲
73.46.02	▼
73.46.03	▶
73.46.04	◀

Schaft
Shaft
Vástago
Tige
Asta
ø **3,0**mm

17 cm - 6¾″



beide Maulteile beweglich
both jaws articulated
las dos bocas son móvibles
à deux mâchoires mobiles
ambedue i morsi mobili

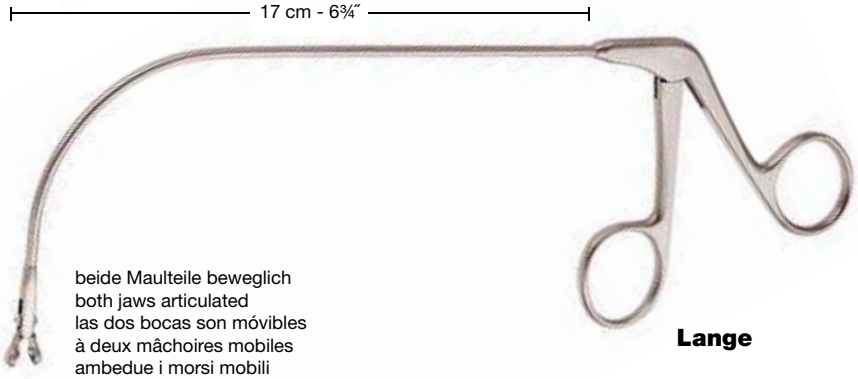
Fränkel



73.46.15

Schaft
Shaft
Vástago
Tige
Asta
ø **3,0**mm

17 cm - 6¾″



beide Maulteile beweglich
both jaws articulated
las dos bocas son móvibles
à deux mâchoires mobiles
ambedue i morsi mobili

Lange



73.46.16

Schaft
Shaft
Vástago
Tige
Asta
ø **3,0**mm

▲ nach oben öffnend
opening upward
abriendo hacía arriba
ouvrant en haut
aprendo in alto

▼ nach unten öffnend
opening downward
abriendo hacía abajo
ouvrant en bas
aprendo in basso

▶ nach rechts öffnend
opening right
abriendo hacía derecha
ouvrant à droite
aprendo a destra

◀ nach links öffnend
opening left
abriendo hacía izquierda
ouvrant à gauche
aprendo a sinistra



18 cm – 7⅛″

73.46.18

Kehlkopf-Polypenzange
Laryngeal polypus forceps
Pinza para pólipos laringeales
Pince pour polypes laryngiens
Pinza per polipi laringei

Fränkel



27 cm – 10 ¾″

73.46.57

Kehlkopfpinzette
Laryngeal forceps
Pinza laringeal
Pince laryngienne
Pinza laringea

Jackson



20 cm – 8″

73.46.60

Kehlkopfschere
Laryngeal scissors
Tijera laringeal
Ciseaux laryngiens
Forbice laringea

Killian



73.46.70

Nutzlänge 24 cm
Working length 24 cm – 9½″
Largo útil 24 cm
Longueur utile 24 cm
Lunghezza utile 24 cm



Schnürerdraht
Snare wire
Alambre de acero para polipotomo
Fil d'acier pour serre-nœud
Filo d'acciaio per serranodi

Ø 0,4 mm

72.50.97

Verpackungseinheit 100 Stück
Packing unit 100 pieces
Paquete de 100 unidades
Emballage de 100 pièces
Confezione da 100 pezzi



ohne Griff
without handle
sin mango
sans manche
senza manico



11,5 cm – 4½″

73.47.55

mit Spannfutter
with chuck
con mandril de sujeción
avec mandrin de serrage
con mandrino

11 cm – 4⅜″

73.47.50

mit Stellschraube
with adjusting screw
con tornillo de ajuste
avec vis de fixation
con vite di fissazione



000

Ø 6 mm

73.47.06



00

Ø 8 mm

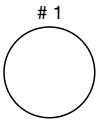
73.47.08



0

Ø 10 mm

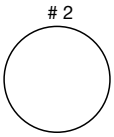
73.47.10



1

Ø 12 mm

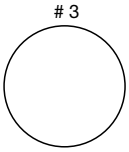
73.47.12



2

Ø 14 mm

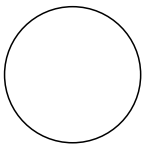
73.47.14



3

Ø 16 mm

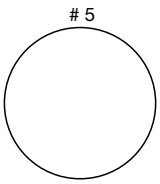
73.47.16



4

Ø 18 mm

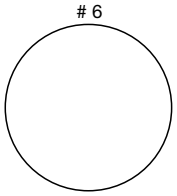
73.47.18



5

Ø 20 mm

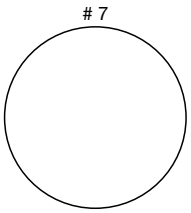
73.47.20



6

Ø 22 mm

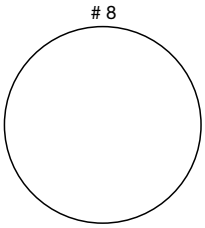
73.47.22



7

Ø 24 mm

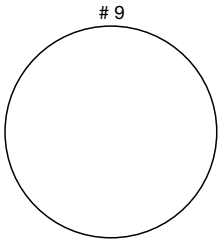
73.47.24



8

Ø 26 mm

73.47.26

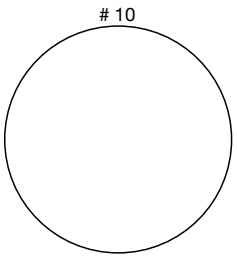


9

Ø 28 mm

73.47.28

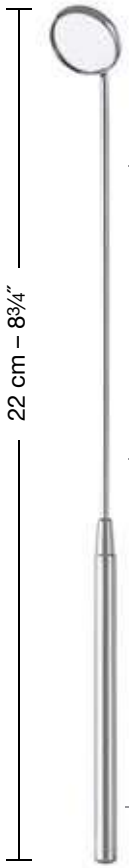
Verpackungseinheit 5 Stück
Packing units 5 pieces
Paquete de 5 unidades
Emballage de 5 pièces
Confezione da 5 pezzi



10

Ø 30 mm

73.47.30



000
Ø 6 mm
73.48.06

00
Ø 8 mm
73.48.08

0
Ø 10 mm
73.48.10

1
Ø 12 mm
73.48.12

2
Ø 14 mm
73.48.14

3
Ø 16 mm
73.48.16

4
Ø 18 mm
73.48.18

5
Ø 20 mm
73.48.20

6
Ø 22 mm
73.48.22

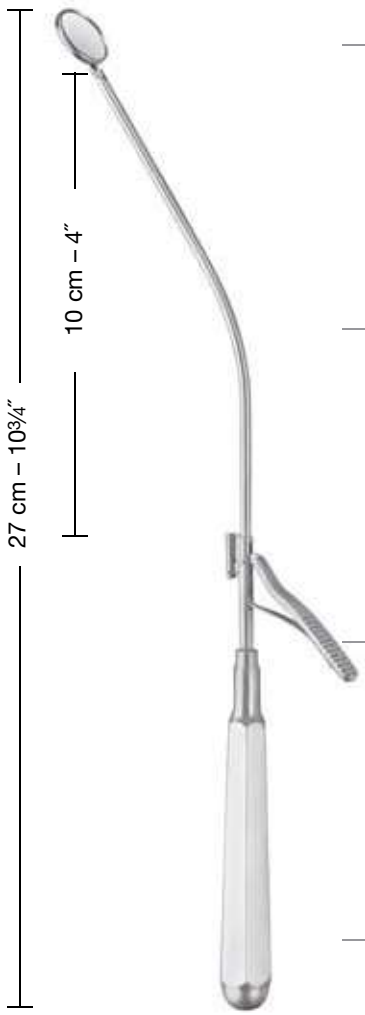
7
Ø 24 mm
73.48.24

8
Ø 26 mm
73.48.26

9
Ø 28 mm
73.48.28

Verpackungseinheit 5 Stück
Packing units 5 pieces
Paquete de 5 unidades
Emballage de 5 pièces
Confezione da 5 pezzi

10
Ø 30 mm
73.48.30



Ø 12 mm
73.48.92

Ø 14 mm
73.48.94

Ø 16 mm
73.48.96

Ø 18 mm
73.48.98

Michel

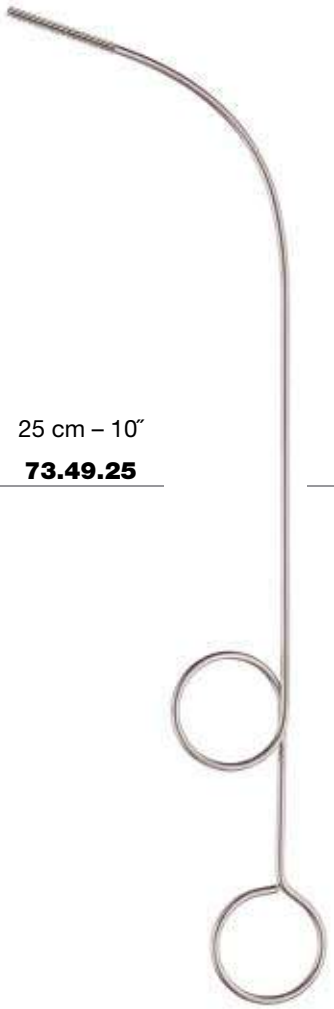
Rhinoskopiespiegel, beweglich
Rhinoscopic mirrors, movable
Espejos rinoscópicos, movible
Miroirs pour rhinoscopie, mobiles
Specchi per rinoscopia, mobile



25 cm – 10″

73.49.25

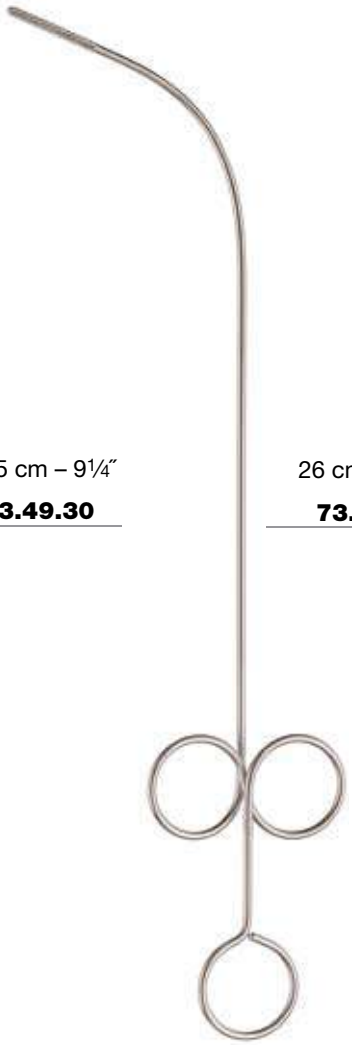
Killian



23,5 cm – 9¼″

73.49.30

Pelteson



26 cm – 10¼″

73.49.35

Fein



23 cm – 9″

73.49.45

Reichert

Luer-Lock



5 ml

09.78.53

10 ml

09.78.54

Luer-Lock

Ersatzzylinder
Spare barrels
Cilindros de repuesto
Cylindres de rechange
Cilindri di ricambio



5 ml

09.78.43

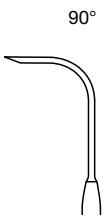
10 ml

09.78.44









24,5 cm – 9¾″	24,5 cm – 9¾″	23,5 cm – 9¼″
73.49.75	**73.49.77**	**73.49.79**

Kehlkopf-Injektionsnadeln
Laryngeal injection needles
Agujas de inyección laringeal
Aiguilles à injections pour larynx
Aghi per iniezioni laringee

Kehlkopfkanüle
Laryngeal cannula
Cánula laringeal
Canule laryngienne
Cannula laringea



Ø 2,5 mm

73.49.71

Luer-Lock

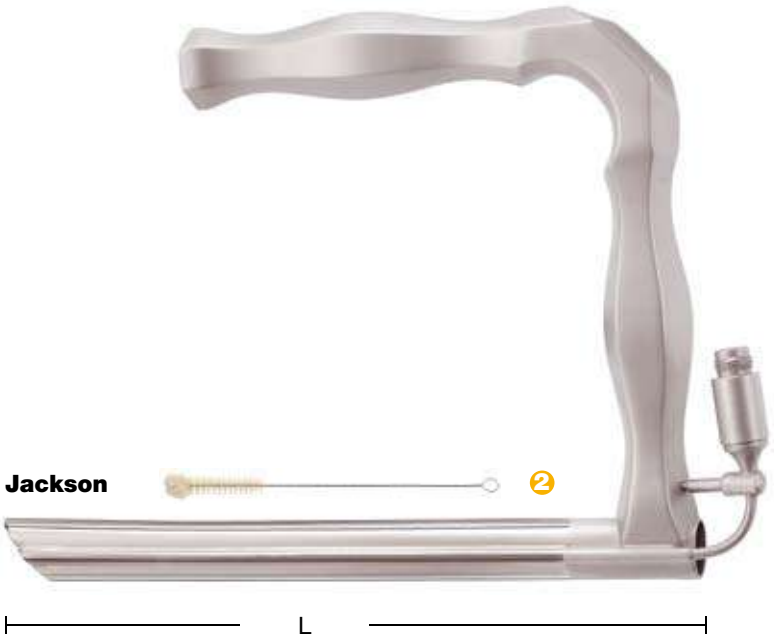
Luer-Lock

für die vordere Kommissur
for the anterior commissure
para la comisura anterior
pour la commissure antérieure
per la commisura anteriore

Lichtträger mit Adapter **MEDICON/STORZ**
Light carriers with adapter
Portadores de luz con adaptador **WOLF**
Supports de lumière avec adaptateur **ACMI**
Supporti per illuminazione con adattatore



erweitertes distales Ende, extrabreite proximale Öffnung
extended distal tip, extra wide proximal opening
extremo distal ensanchado, apertura proximal extra ancha
extrémité distale élargie, ouverture proximale extra large
estremita distale allargata, apertura prossimale extra larga



	Ersatz-Lichtträger Spare light carriers Portadores de luz de repuesto Supports de lumière de rechange Supporti per illuminazione di ricambio
74.00.20 L = 180 mm **Holinger** für Erwachsene for adults para adultos pour adultes per adulti	**74.01.12**
74.00.12 L = 120 mm **Jackson** für Säuglinge for babies para bebés pour nourissons per neonatali	**74.01.10**
74.00.17 L = 170 mm **Jackson** für Kinder for children para niños pour enfants per bambini	**74.01.11**
74.00.18 L = 180 mm **Jackson** für Erwachsene for adults para adultos pour adultes per adulti	**74.01.12**

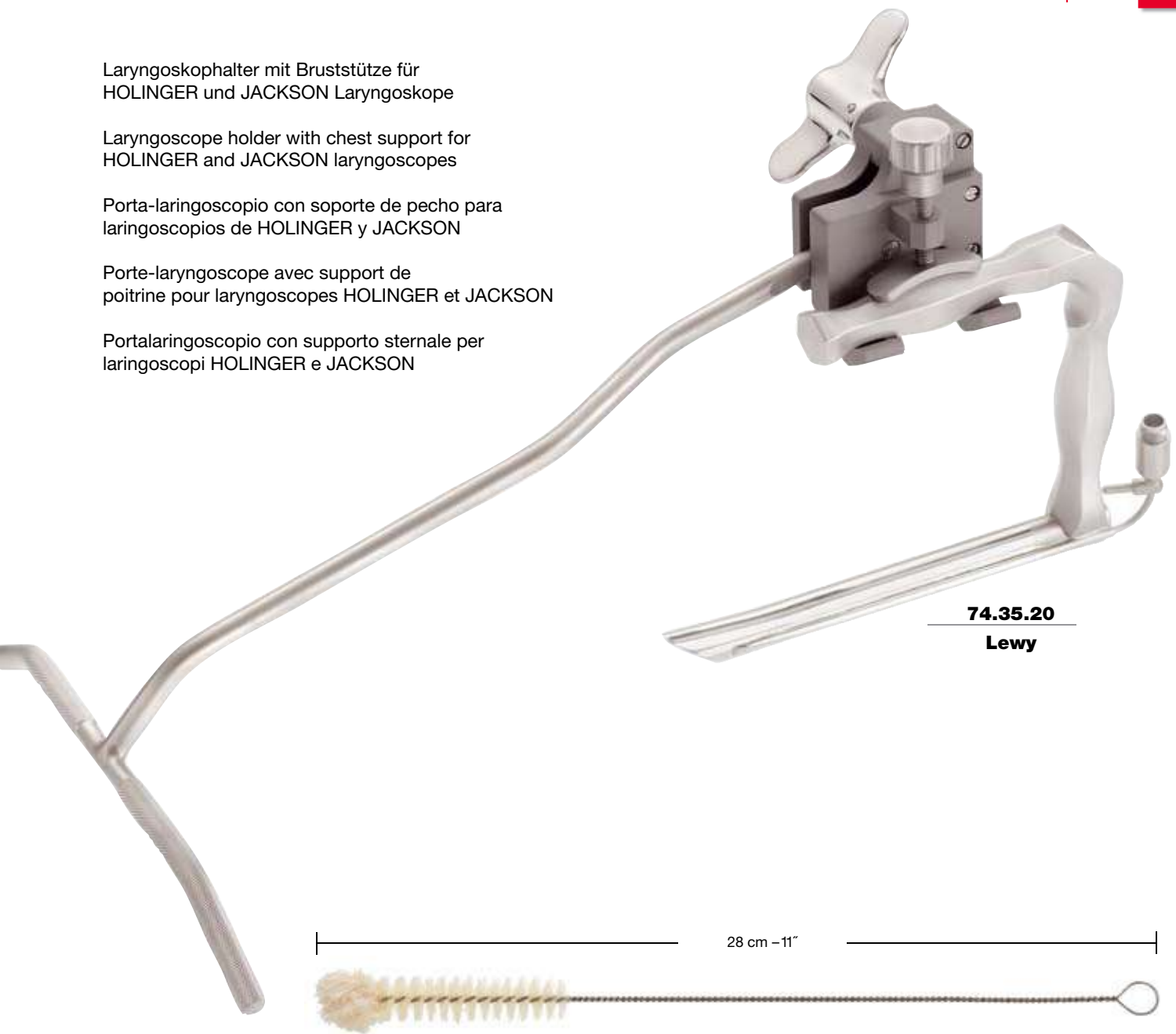
Laryngoskophalter mit Bruststütze für
HOLINGER und JACKSON Laryngoskope

Laryngoscope holder with chest support for
HOLINGER and JACKSON laryngoscopes

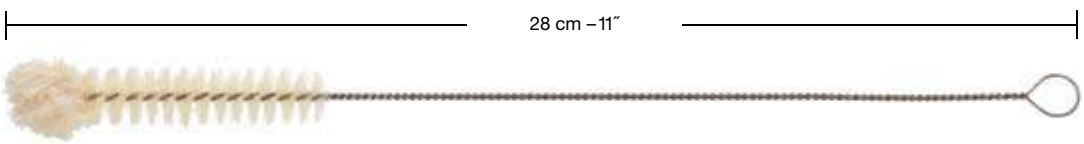
Porta-laringoscopio con soporte de pecho para
laringoscopios de HOLINGER y JACKSON

Porte-laryngoscope avec support de
poitrine pour laryngoscopes HOLINGER et JACKSON

Portalaringoscopio con supporto sternale per
laringoscopi HOLINGER e JACKSON



74.35.20
Lewy



Reinigungsbürsten für Laryngoskope
Cleaning brushes for laryngoscopes
Cepillos de limpieza para laringoscopios
Brosses de nettoyage pour laryngoscopes
Spazzolini per pulire i laringoscopi

Ø 14 mm	Ø 30 mm
1 **74.69.72**	2 **74.69.73**
mittel	groß
medium	large
medio	grande
moyennes	grandes
medio	grande

A



Lichtträger mit Adapter — **MEDICON/STORZ**
Light carriers with adapter
Portadores de luz con adaptador — **WOLF**
Supports de lumière avec adaptateur — **ACMI**
Supporti per illuminazione con adattatore

B

spreizbar
spreadable
para separar
à écarter
divaricabile



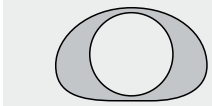
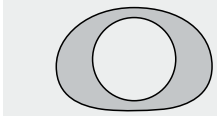
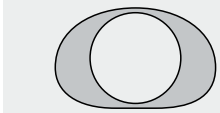
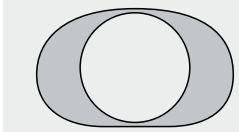
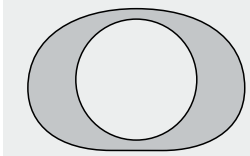
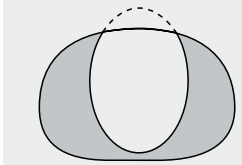
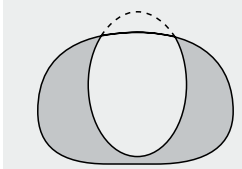


Operations-Laryngoskope mit auswechselbarem Fiberglas-Lichtträger
Operating Laryngoscopes with exchangeable Fiber Optic Light Carrier
Laringoscopios para operaciones con portador de luz fibra óptica cambiable
Laryngoscopes opératoires avec support de lumière en fibre de verre échangeable
Laringoscopi a sospensione con supporto per illuminazione fibra ottica cambiabile

#1 für Kleinkinder / for infants / para niños pequeños / pour petits enfants / per bambini in età da allattamento

#2 für Kinder / for children / para niños / pour enfants / per bambini

#3-7 für Erwachsene / for adults / para adultos / pour adultes / per adulti

	A	B	L / mm	a / mm	b / mm	c / mm	Ersatz-Lichtträger / Spare light carriers / Portadores de luz de repuesto / Supports de lumière de rechange / Supporti per illuminazione di ricambio
	① **#1 74.00.01**	**#1 74.00.31**	135	20	12	11	**74.01.03**
	① **#2 74.00.02**	**#2 74.00.32**	152	21	13	11	**74.01.03**
	② **#3 74.00.03**	**#3 74.00.33**	182	21	13	12	**74.01.04**
	② **#4 74.00.04**	**#4 74.00.34**	172	27	15	14,5	**74.01.04**
	② **#5 74.00.05**	**#5 74.00.35**	172	29	19	16	**74.01.04**
	② **#6 74.00.06**	**#6 74.00.36**	182	26	17	13 × 19	**74.01.04**
	② **#7 74.00.07**	**#7 74.00.37**	222	26	17	13 × 19	**74.01.05**



① = **74.69.72**

② = **74.69.73**

siehe Reinigungsbürsten, Seite 481
see cleaning brushes, page 481
véase cepillos de limpieza, página 481
voir brosses de nettoyage page 481
vedete spazzolini per pulirepagina 481

Zubehör Seite 484
Accessories page 484
Accesorios página 484
Accessoires page 484
Accessori pagina 484





Luer-Lock

74.01.06

Rauchabsaugrohr
Smoke suction tube
Tubo extractor de humo
Tube d'aspiration pour fumée
Tubo aspiratore di fumo

für, for, para, pour, per
74.00.03 –.07 + 74.00.33 – .37



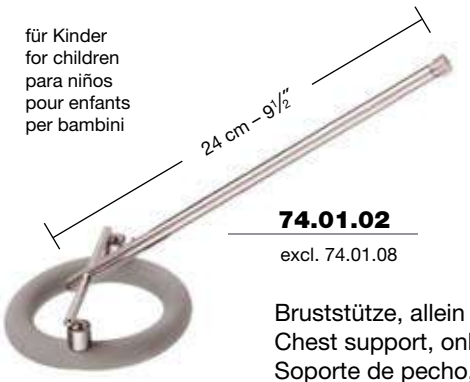
Luer-Lock

74.01.07

Injektorkanüle
Cannula injector
Inyector para cánulas
Moule à injection de canules
Iniettore per cannule

für, for, para, pour, per
74.00.01 –.07 + 74.00.31 – .37

für Kinder
for children
para niños
pour enfants
per bambini



1:4

74.01.02

excl. 74.01.08

Bruststütze, allein
Chest support, only
Soporte de pecho, solo
Support de poitrine, seule
Supporto sternale, solo

für, for, para, pour, per
74.00.01 –.07 + 74.00.31 – .37

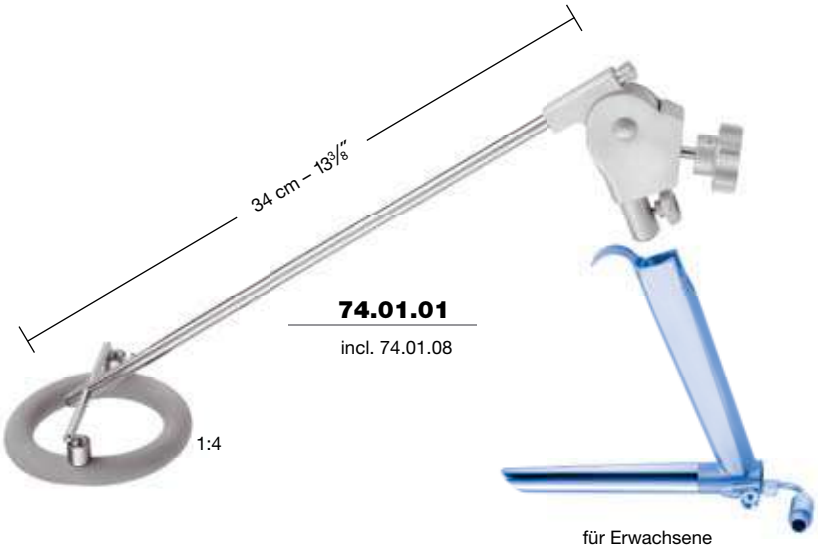
Laryngoskophalter mit Bruststütze
Laryngoscope holder with chest support
Porta-laringoscopio con soporte de pecho
Porte-laryngoscope avec support de poitrine
Portalaringoscopio con supporto sternale

für, for, para, pour, per
74.00.01 –.07 + 74.00.31 – .37



74.01.08

Laryngoskophalter, allein
Laryngoscope holder, only
Porta-laringoscopio, solo
Porte-laryngoscope, seul
Portalaringoscopio, solo



1:4

74.01.01

incl. 74.01.08

für Erwachsene
for adults
para adultos
pour adultes
per adulti

Endolaryngeale Mikrochirurgie
Endolaryngeal microsurgery
Microcirugía endolaringeal
Microchirurgie endolaryngienne
Microchirurgia endolaringea



Jako



31 cm – 12⅛″

74.45.10

Sichelmesser
Sickle knife
Bisturí falciforme
Bistouri forme faux
Bisturi a falce



31 cm – 12⅛″

74.45.11

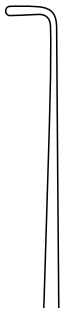
Larynxmesser
Laryngeal knife
Bisturí laringeal
Bistouri laryngien
Bisturi per laringe



31 cm – 12⅛″

74.45.20

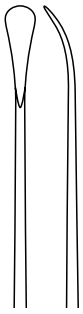
Larynxsonde
Laryngeal probe
Sonda laringeal
Sonde laryngienne
Sonda per laringe



31 cm – 12⅛″

74.45.21

Larynxhaken
Laryngeal hook
Gancho laringeal
Crochet laryngien
Uncino per laringe



stumpf
blunt
romo
mousse
smussa

31 cm – 12⅛″

74.45.40

Dissektor
Dissector
Disector
Dissecteur
Dissettore



Jako



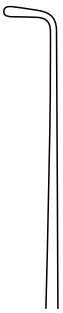
22 cm – 8¾

74.46.10

Sichelmesser
Sickle knife
Bisturi falciforme
Bistouri forme faux
Bisturi a falce



Jako

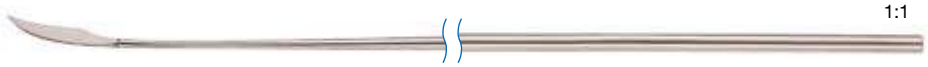


24 cm – 9½″

74.46.21

Larynxhaken
Laryngeal hook
Gancho laringeal
Crochet laryngien
Uncino per laringe

Endolaryngeale Mikrochirurgie
Endolaryngeal microsurgery
Microcirugía endolaringeal
Microchirurgie endolaryngienne
Microchirurgia endolaringea





24 cm – 9½″

74.47.10

Sichelmesser
Sickle knife
Bisturí falciforme
Bistouri forme faux
Bisturi a falce



24 cm – 9½″

74.47.11

Larynxmesser
Laryngeal knife
Bisturí laringeal
Bistouri laringeal
Bisturi per laringe



24 cm – 9½″

74.47.12

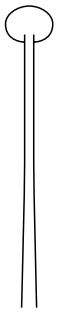
Rundmesser
Round edge knife
Cuchillo redondo
Bistouri à tranchant rond
Bisturi circolare



24 cm – 9½″

74.47.13

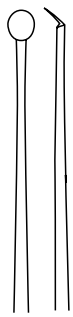
Messer Golfstockform
Knife golf club design
Cuchillo en forma de palo de golf
Couteau à forme de club
Coltello con forma mazza golf



24 cm – 9½″

74.47.14

Rundmesser
Round edge knife
Cuchillo redondo
Bistouri à tranchant rond
Bisturi circolare



24 cm – 9½″

74.47.15

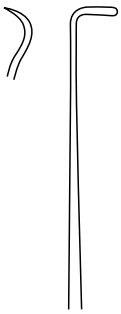
Rundmesser
Round edge knife
Cuchillo redondo
Bistouri à tranchant rond
Bisturi circolare



24 cm – 9½″

74.47.20

Larynxsonde
Laryngeal probe
Sonda laringeal
Sonde laryngienne
Sonda per laringe



24 cm – 9½″

74.47.21

Larynxhaken
Laryngeal hook
Gancho laringeal
Crochet laryngien
Uncino per laringe



24 cm – 9½″

74.47.25

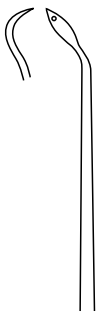
Larynxhaken
Laryngeal hook
Gancho laringeal
Crochet laryngien
Uncino per laringe



24 cm – 9½″

74.47.27

Umstechungsnadel rechts gebogen
Needle curved right
Aguja curva derecha
Aiguille courbée à droite
Ago curva a destra



24 cm – 9½″

74.47.28

Umstechungsnadel links gebogen
Needle curved left
Aguja curva izquierda
Aiguille courbée à gauche
Ago curva a sinistra



24 cm – 9½″

74.47.30

Larynxhaken
Laryngeal hook
Gancho laringeal
Crochet laryngien
Uncino per laringe



24 cm – 9½″

74.47.35

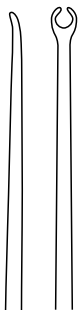
Larynxhaken
Laryngeal hook
Gancho laringeal
Crochet laryngien
Uncino per laringe



24 cm – 9½″

74.47.40

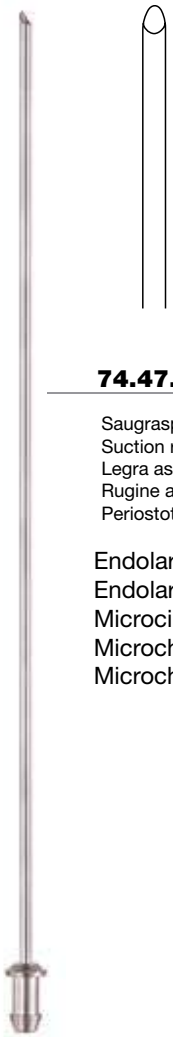
Elevatorium
Elevator
Elevador
Elévateur
Elevatore



24 cm – 9½″

74.47.42

Knotenführer
Knot guide
Traslador de nudos
Guide-nœuds
Guida-nodi

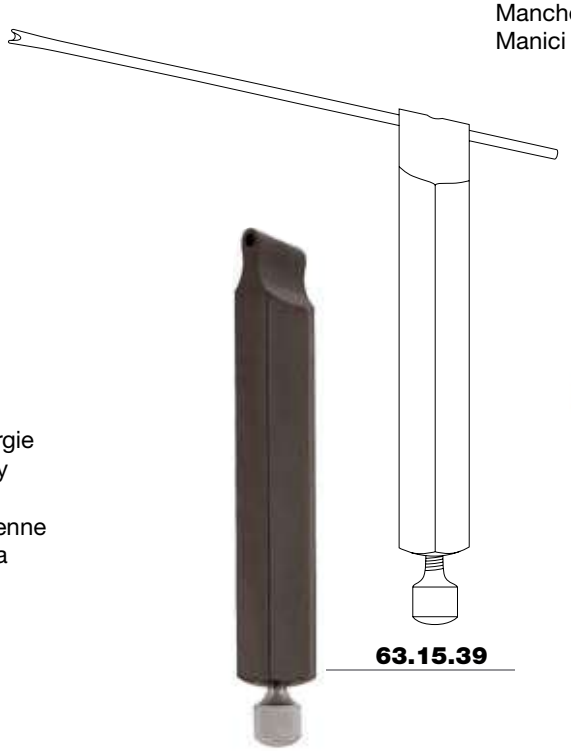


74.47.37

Saugraspatorium
Suction raspatory
Legra aspiradora
Rugine aspirateur
Periostotomo aspirante

Endolaryngeale Mikrochirurgie
Endolaryngeal microsurgery
Microcirugía endolaringeal
Microchirurgie endolaryngienne
Microchirurgia endolaringea

Handgriffe für Stabinstrumente
Handles for use with instruments
Mangos para fijar instrumentos
Manches pour la fixation des instruments
Manici per fissare strumenti



63.15.39



74.47.90

Heermann



- alle Teile (außer Griff) ganz aus rostfreiem Stahl
- äußerst flexible Spirale, deshalb hohe Funktionsfähigkeit
- stabile Griffkonstruktion
- voll sterilisierbar auf jede herkömmliche Weise
- Ausführung für Hf-Anschluss auf Anfrage lieferbar!

- made entirely from stainless steel (except the handle)
- spiral of highest flexibility, hence utmost functional reliability
- solidly constructed handles
- autoclavable by all the conventional methods
- on request also available for high frequency connection!

- todas las partes (a excepción del mango) hechas de acero inoxidable
- espiral extraordinariamente flexible, por tanto alta funcionabilidad
- construcción muy estable del mango
- sometiéndose a la esterilización por cualquier método convencional
- a petición suministrable para conexión de alta frecuencia!

- toutes les parties sont en acier inoxydable (à l'exception du manche)
- spirale extrêmement flexible, donc fonctionnement sûr et parfait
- construction robuste du manche
- supportent chaque forme de stérilisation conventionnelle sans risque de dommage
- sur demande également livrables pour connexion haute fréquence

- tutte le parti (salvo il manico) interamente in acciaio inossidabile
- spirale straordinariamente flessibile, perciò alta funzionalità
- costruzione molto solida del manico
- sterilizzabili con qualsiasi metodo
- a richiesta, fornibili anche per uso con alta frequenza

Visioflex

gerieft
serrated
estriada
striée
zigrinata

Ø 1,8 mm	Ø 2,3 mm
90 cm – 35½″ **74.70.05**	90 cm – 35½″ **74.70.07**
120 cm – 47¼″ **74.70.25**	120 cm – 47¼″ **74.70.27**
150 cm – 59″ **74.70.55**	150 cm – 59″ **74.70.57**
180 cm – 71″ **74.70.85**	180 cm – 71″ **74.70.87**
230 cm – 90½″ **74.70.95**	230 cm – 90½″ **74.70.97**



4:1

Visioflex

2 × 2 Zähne
2 × 2 teeth
2 × 2 dientes
2 × 2 dents
2 × 2 denti

Ø 1,8 mm	Ø 2,3 mm
90 cm – 35½″ **74.72.05**	90 cm – 35½″ **74.72.07**
120 cm – 47¼″ **74.72.25**	120 cm – 47¼″ **74.72.27**
150 cm – 59″ **74.72.55**	150 cm – 59″ **74.72.57**
180 cm – 71″ **74.72.85**	180 cm – 71″ **74.72.87**
230 cm – 90½″ **74.72.95**	230 cm – 90½″ **74.72.97**



4:1

Visioflex

dreiteilig
three-clawed
tres partes
tripartis
trimascellare

Ø 1,8 mm	Ø 2,3 mm
90 cm – 35½″ **74.73.05**	90 cm – 35½″ **74.73.07**
120 cm – 47¼″ **74.73.25**	120 cm – 47¼″ **74.73.27**
150 cm – 59″ **74.73.55**	150 cm – 59″ **74.73.57**
180 cm – 71″ **74.73.85**	180 cm – 71″ **74.73.87**
230 cm – 90½″ **74.73.95**	230 cm – 90½″ **74.73.97**



4:1

Visioflex

1 × 2 Zähne
1 × 2 teeth
1 × 2 dientes
1 × 2 dents
1 × 2 denti

Ø 1,8 mm	Ø 2,3 mm
90 cm – 35½″ **74.76.05**	90 cm – 35½″ **74.76.07**
120 cm – 47¼″ **74.76.25**	120 cm – 47¼″ **74.76.27**
150 cm – 59″ **74.76.55**	150 cm – 59″ **74.76.57**
180 cm – 71″ **74.76.85**	180 cm – 71″ **74.76.87**
230 cm – 90½″ **74.76.95**	230 cm – 90½″ **74.76.97**



4:1

Visioflex

mit Hechtmaul
with pike teeth
con boca de lucio
à mors de brochet
con bocca di coccodrillo

Ø 1,8 mm	Ø 2,3 mm
90 cm – 35½″ **74.78.05**	90 cm – 35½″ **74.78.07**
120 cm – 47¼″ **74.78.25**	120 cm – 47¼″ **74.78.27**
150 cm – 59″ **74.78.55**	150 cm – 59″ **74.78.57**
180 cm – 71″ **74.78.85**	180 cm – 71″ **74.78.87**
230 cm – 90½″ **74.78.95**	230 cm – 90½″ **74.78.97**



4:1

Visioflex

gezahntes Löffelmaul
serrated cup jaws
boca en forma de cucharilla, dentata
mors en forme de cuillère, dentées
bocca a forma di cucchiaio, dentata

Ø 1,8 mm	Ø 2,3 mm
90 cm – 35½″ **74.79.05**	90 cm – 35½″ **74.79.07**
120 cm – 47¼″ **74.79.25**	120 cm – 47¼″ **74.79.27**
150 cm – 59″ **74.79.55**	150 cm – 59″ **74.79.57**
180 cm – 71″ **74.79.85**	180 cm – 71″ **74.79.87**
230 cm – 90½″ **74.79.95**	230 cm – 90½″ **74.79.97**



4:1

Visioflex

rundes Löffelmaul
round cup jaws
boca redonda en forma de cucharilla
mors ronds en forme de cuillère
bocca rotonda a forma di cucchiaio

Ø 1,8 mm	Ø 2,3 mm
90 cm – 35½″ **74.80.05**	90 cm – 35½″ **74.80.07**
120 cm – 47¼″ **74.80.25**	120 cm – 47¼″ **74.80.27**
150 cm – 59″ **74.80.55**	150 cm – 59″ **74.80.57**
180 cm – 71″ **74.80.85**	180 cm – 71″ **74.80.87**
230 cm – 90½″ **74.80.95**	230 cm – 90½″ **74.80.97**



4:1

Visioflex

rundes Löffelmaul, mit Dorn
round cup jaws, with pin
boca redonda en forma de cucharilla, con espiga
mors ronds en forme de cuillère, avec épine
bocca rotonda a forma di cucchiaio, con ago

Ø 2,3 mm
90 cm – 35½″ **74.81.07**
120 cm – 47¼″ **74.81.27**
150 cm – 59″ **74.81.57**
180 cm – 71″ **74.81.87**
230 cm – 90½″ **74.81.97**



4:1

Visioflex

ovales Löffelmaul
oval cup jaws
boca ovalada en forma de cucharilla
mors ovales en forme de cuillère
bocca ovale a forma di cucchiaio

Ø 1,8 mm	Ø 2,3 mm
90 cm – 35½″ **74.82.05**	90 cm – 35½″ **74.82.07**
120 cm – 47¼″ **74.82.25**	120 cm – 47¼″ **74.82.27**
150 cm – 59″ **74.82.55**	150 cm – 59″ **74.82.57**
180 cm – 71″ **74.82.85**	180 cm – 71″ **74.82.87**
230 cm – 90½″ **74.82.95**	230 cm – 90½″ **74.82.97**



4:1

Visioflex

ovales Löffelmaul, mit Dorn
oval cup jaws, with pin
boca ovalada en forma de cucharilla, con espiga
mors ovales en forme de cuillère, avec épine
bocca ovale a forma di cucchiaio, con ago

Ø 2,3 mm
90 cm – 35½″ **74.83.07**
120 cm – 47¼″ **74.83.27**
150 cm – 59″ **74.83.57**
180 cm – 71″ **74.83.87**
230 cm – 90½″ **74.83.97**



4:1

Visioflex

1 Blatt gezahnt
1 blade serrated
1 hoja dentada
1 lame dentée
1 lama dentata

Ø 2,3 mm
90 cm – 35½″ **74.88.07**
120 cm – 47¼″ **74.88.27**
150 cm – 59″ **74.88.57**
180 cm – 71″ **74.88.87**
230 cm – 90½″ **74.88.97**



4:1

Visioflex

Advertisement

the art of surgery

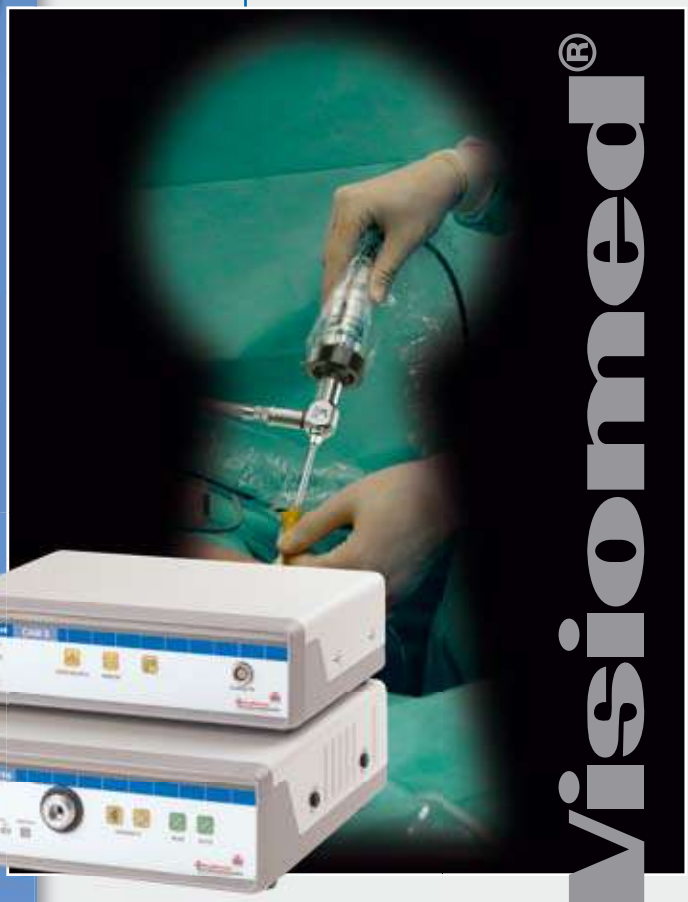
Beachten Sie auch unseren Sonderprospekt „Geräte für die Minimal Invasive Chirurgie“

Please also pay attention to our spezial brochure “Equipment for Minimally Invasive Surgery“

Observe nuestro folleto especializado “Equipment for Minimally Invasive Surgery“

Vous pouvez également consulter notre prospectus “Equipment for Minimally Invasive Surgery“

Consultate anche il nostro depliant speciale “Equipment for Minimally Invasive Surgery



visiomed®



66.69.10

Laryngo-Pharyngoskop
Laryngo-Pharyngoscope
Faringoscopio laringeal
Pharyngoscope laryngienne
Faringoscopio laringea

Nutzlänge Working length Longitud de uso Longueur utile Lunghezza utile	150 mm	
Arbeits-Ø Working-Ø Ø de trabajo del vástago Ø utile Ø lavorativo	11 mm	
Blickrichtung Field of view Dirección de vista Direction de vue Direzione visuale	90°	
Tiefenschärfe Depth of focus Profundidad de enfoque Profondeur de champ Profondità focale	3 mm	bis unendlich to infinity hasta infinito jusqu'à l'infini fino l'infinito

- integrierter Luftkanal
- einlegbar
- gassterilisierbar

- integrated air channel
- completely soakable
- designed for gas sterilization

- con canal de aspiración integrado
- diseñado para ser sumergido
- esterilización con gas

- Canal à air intégré
- peut être inséré dans des solutions
- stérilisation au gaz possible

- con l'integrazione di canale di aspirazione
- può essere emesso in soluzione
- sterilizzabile con gas

Flexibles Naso-Pharyngoskop
Flexible Nose Pharyngoscope
Naso-Faringoscopio flexible
Pharyngoscope nasal flexible
Naso-Faringoscopio flessibile

mit Pfeilblende
with indicator
con indicación
avec lentille en forme de flèche
indicatore di orientamento



- einhandbedienbar
- einlegbar
- gassterilisierbar
- one-hand operating
- immersable
- gas sterilization
- manejable con una mano sola
- sumergible
- esterilizable en gas
- maniable avec une seule main
- immersible
- stérilisable au gaz
- utilizzabile con una sola mano
- immergibile
- sterilizzabile con gas

❶ **66.69.16**

Lieferung bestehend aus: ❶
Consisting of: ❷
Suministro compuesto de: ❸
Livraison se composant de: ❹
Fornitura compoto da: ❺

❷



Dichtigkeitsmesser
Densimetre
Densímetro
Mètre à densité
Densimetro

❸



ETO-Ventil Adapter
ETO valve adapter
Válvula ETO
Adapteur ETO
Valvola ETO

❹



Kaltlichtkabel
Fibre optic cable
Cable de luz fría
Câble fibre optique
Cavo luce fredda

❺



Aluminiumkoffer
Aluminium case
Maletín de aluminio
Valise en aluminium
Valigetta d'alluminio

Technische Daten
Technical data
Especificaciones técnicas
Caractéristiques techniques
Dati tecnici

66.69.16

Auflösung	8000 Pixel
Nutzlänge	300 mm
Arbeits-Ø	3,2 mm
Abwinkelung	auf 160°, ab 160°
Länge der abwinkelbaren Spitze	20 mm
Minimaler Biegeradius	30 mm
Blickrichtung	0° Weitwinkel
Tiefenschärfe	3 - 60 mm
Gewicht	255 gr

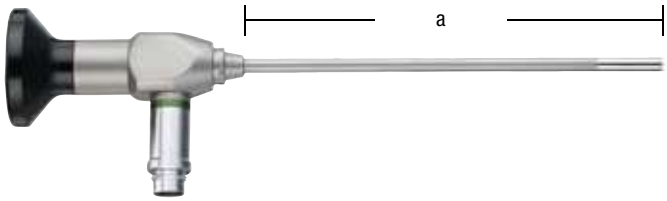
Resolution	8000 pixel
Working length	300 mm
Working-Ø	3,2 mm
Deflection	up 160°, down 160°
Length of movable tip section	20 mm
Minimum bend Ø	30 mm
Field of view	0° wide angle
Depth of focus	3 - 60 mm
Weight	255 gr

La resolución	8000 Pixel
Longitud de uso	300 mm
Ø de trabajo del vástago	3,2 mm
Acodado	hasta 160°, a partir de 160°
Mínimo flexión Ø	20 mm
Longitud de la punta acodable	30 mm
Dirección de vista	0° granangulo
Profundidad de enfoque	3 - 60 mm
Peso	255 gr

Résolution	8000 pixel
Longueur utile	300 mm
Diamètre utile	3,2 mm
Déflexion	160° en haut, 160° en bas
Longueur de la pointe flexible	20 mm
Rayon de courbure minimal	30 mm
Direction de vue	0° grand angle
Profondeur de champ	3 - 60 mm
Poids	255 gr

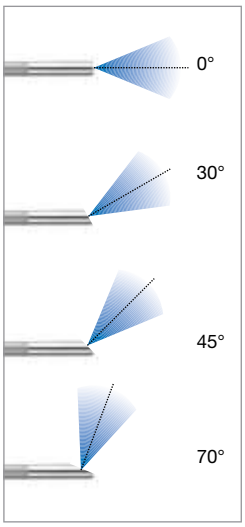
Risoluzione	8000 Pixel
Lunghezza utile	300 mm
Ø lavorativo	3,2 mm
Angolazione	in alto 160°, in basso 150°
Lunghezza della punta piegabile	20 mm
raggio di curvatura minimo	30 mm
Direzione visuale	0° grandangolare
Profondità focale	3 - 60 mm
Peso	255 gr



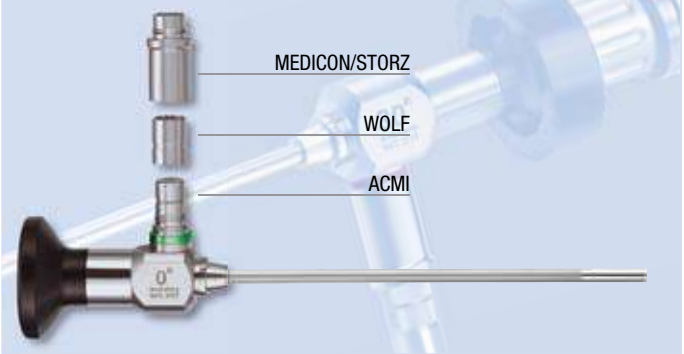


a

110 mm	**66.70.10**	Ø 2,7 mm	0°
110 mm	**66.70.13**	Ø 2,7 mm	30°
110 mm	**66.70.17**	Ø 2,7 mm	70°
175 mm	**66.70.20**	Ø 2,7 mm	0°
175 mm	**66.70.23**	Ø 2,7 mm	30°
175 mm	**66.70.27**	Ø 2,7 mm	70°
187 mm	**66.70.30**	Ø 2,7 mm	0°
187 mm	**66.70.33**	Ø 2,7 mm	30°
187 mm	**66.70.37**	Ø 2,7 mm	70°
175 mm	**66.70.40**	Ø 4,0 mm	0°
175 mm	**66.70.43**	Ø 4,0 mm	30°
175 mm	**66.70.45**	Ø 4,0 mm	45°
175 mm	**66.70.47**	Ø 4,0 mm	70°



Inklusive Adapter zum Anschluss für Lichtleitkabel:
Including adapter for connection to fiber optic cable
Incluyendo el adaptador para la conexión del cable fibra óptica
Avec adaptateur pour brancher le câble conducteur de lurniére en fibres de verre
Compreso adattatore per l'attacco di cavi conduttori di luce



Passende Handgriffe und Trokare siehe Seite 419
For suitable handles and trocars see page 419
Mangos y trócares adecuados veáse pagina 419
Manches et trocarts convenables voir page 419
Manici e trequarti adattabili ledi pagina 419

Antibeschlagmittel für Endoskope
Antifog solution for endoscopes
Liquido antiempaño para endoscopios
Moyen anti-embuant pour endoscopes
Detersivo antiappannamento per endoscopi



Sprühflasche
Spray bottle
Pulverizador
Flacon
Bottiglia spray

91.10.10
15 ml



Pipettenflasche
Pipette bottle
Botella con pipeta
Bouteille à pipette
Bottiglia a pipeta

91.10.11
25 ml

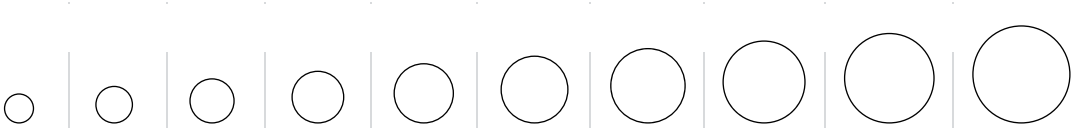


Flasche, steril
Bottle, sterile
Botella, estéril
Boutelle, stérile
Bottiglia, sterile

91.10.12
30 ml


F
Tracheotomie · Strumektomie
Tracheotomy · Thyroidectomy
Traqueotomía · Estrumectomía
Trachéotomie · Thyroidectomie
Tracheotomia · Tiroidectomia
the art of surgery

Internationale Größenskala für Trachealkanülen
International scale of tracheal tube sizes
Escala internacional de los tamaños de cánulas traqueales
Echelle internationale des tailles de canules trachéales
Scala internazionale per cannule tracheali

										
Fig.	0	1	2	3	4	5	6	7	8	9
mm Ø	4	5	6	7	8	9	10	11	12	13
Charr.	12	15	18	21	24	27	30	33	36	39
Länge mm length mm longitud en mm longueur en mm lunghezza mm.	45	50	55	60	65	70	75	80	85	90

Trachealkanülen, Standardmodell
Tracheal tubes, standard pattern
Cánulas traqueales, modelo estándar
Canules trachéales, modèle standard
Cannule tracheali, modello standard



Neusilber
Nickel silver
plata alemana
maillechort
argentone

Luer

73.50.04	Fig. 0	Ø 4 mm
73.50.05	Fig. 1	Ø 5 mm
73.50.06	Fig. 2	Ø 6 mm
73.50.07	Fig. 3	Ø 7 mm
73.50.08	Fig. 4	Ø 8 mm
73.50.09	Fig. 5	Ø 9 mm
73.50.10	Fig. 6	Ø 10 mm
73.50.11	Fig. 7	Ø 11 mm
73.50.12	Fig. 8	Ø 12 mm
73.50.13	Fig. 9	Ø 13 mm



Chevalier-Jackson

Neusilber Nickel silver plata alemana maillechort argentone	Silber Sterling silver plata pura argent argento		
73.57.04	**73.57.54**	Fig. 0	Ø 4 mm
73.57.05	**73.57.55**	Fig. 1	Ø 5 mm
73.57.06	**73.57.56**	Fig. 2	Ø 6 mm
73.57.07	**73.57.57**	Fig. 3	Ø 7 mm
73.57.08	**73.57.58**	Fig. 4	Ø 8 mm
73.57.09	**73.57.59**	Fig. 5	Ø 9 mm
73.57.10	**73.57.60**	Fig. 6	Ø 10 mm
73.57.11	**73.57.61**	Fig. 7	Ø 11 mm
73.57.12	**73.57.62**	Fig. 8	Ø 12 mm
73.57.13	**73.57.63**	Fig. 9	Ø 13 mm

Trachealkanülen mit Sprechventil
Speaking tubes
Cánulas traqueales con valvula para hablar
Canules trachéales pour parler
Cannule tracheali con valvola per parlare



Luer

Silber Sterling silver plata pura argent argento		
73.60.58	Fig. 4	Ø 8 mm
73.60.59	Fig. 5	Ø 9 mm
73.60.60	Fig. 6	Ø 10 mm
73.60.61	Fig. 7	Ø 11 mm
73.60.62	Fig. 8	Ø 12 mm
73.60.63	Fig. 9	Ø 13 mm



Reinigungsbürste für Trachealkanülen
Cleaning brush for tracheal tubes
Cepillo para limpiar cánulas traqueales
Brosse de nettoyage pour canules trachéales
Spazzolino per pulire le cannule tracheali

19,5 cm – 7¾″

73.64.70

Ø 11 mm

Ø 3 mm



16 cm – 6¼″

73.65.15

für Säuglinge
for babies
para bebés
pour nourissons
per neonati

Tracheotomietrokar
Tracheotomy trocar
Trócar traqueal
Trocart pour trachéotomie
Trequarti per tracheotomia

scharf
sharp
agudo
tranchant
tagliente



16 cm – 6¼″ **73.65.32**

16 cm – 6¼″ **73.65.33**

Bose

Tracheotomiehäkchen
Tracheal retractors
Ganchitos para traqueotomía
Crochets trachéaux
Uncinetti tracheali



Bose

7 cm – 2¾″

73.65.40

Tracheal-Wundspreizer
Tracheal retractor
Separador traqueal
Ecarteur trachéal
Divaricatore tracheale

Trachealklemme
Tracheal artery forceps
Pinza-clamp traqueal
Pince-clamp trachéale
Pinza tracheale



Jackson

14,5 cm – 5¾″

73.65.64



Trousseau

12 cm – 4¾″	14 cm – 5½″
73.66.01	**73.66.02**
für Kinder for children para niños pour enfants per bambini	für Erwachsene for adults para adultos pour adultes per adulti

Trachealdilatatoren
Tracheal dilators
Dilatadores traqueales
Dilatateurs trachéaux
Dilatatori tracheali



Laborde

13 cm – 5⅛″	15 cm – 6″
73.66.04	**73.66.03**
für Kinder for children para niños pour enfants per bambini	für Erwachsene for adults para adultos pour adultes per adulti

Tracheotomie Instrumente
Tracheotomy Instruments
Instrumentos para traqueotomía
Instruments pour trachéotomie
Strumenti per tracheotomia



1:4

73.69.00

Tracheotomiebesteck I, bestehend aus:
Tracheotomy set no. I, consisting of:
Estuche para traqueotomía no. I, compuesto de:
Trousse pour trachéotomie no. I, se composant de:
Astuccio per tracheotomia no. I, composto di:

1	BERGMANN Skalpell BERGMANN Scalpel BERGMANN Bisturí BERGMANN Bistouri BERGMANN Bisturi	1 each	01.56.01 01.56.02
1	BOSE Trachealhäkchen BOSE Tracheal hook BOSE Ganchito traqueal BOSE Crochet trachéal BOSE Uncinetto tracheale	1 each	73.65.32 73.65.33
2	Trachealhäkchen, stumpf Tracheal hooks, blunt Ganchitos traqueales, romos Crochets trachéaux, mousses Uncinetti tracheali, smussi		20.65.01
1	BOSE Tracheal-Wundspreizer BOSE Tracheal retractor BOSE Separador traqueal BOSE Ecarteur trachéal BOSE Divaricatore tracheale		73.65.40
1	LUER Trachealkanüle, Fig. 2 – Ø 6 mm, Neusilber LUER Tracheal tube, fig. 2 – Ø 6 mm, nickel-silver LUER Cánula traqueal, fig. 2 – Ø 6 mm, plata alemana LUER Canule trachéale, fig. 2 – Ø 6 mm, maillechort LUER Cannula tracheale, fig. 2 – Ø 6 mm, argentone		73.50.06
1	LUER Trachealkanüle, Fig. 4 – Ø 8 mm, Neusilber LUER Tracheal tube, fig. 4 – Ø 8 mm, nickel-silver, LUER Cánula traqueal, fig. 4 – Ø 8 mm, plata alemana LUER Canule trachéale, fig. 4 – Ø 8 mm, maillechort LUER Cannula tracheale, fig. 4 – Ø 8 mm, argentone		73.50.08

1	Anatomische Pinzette, 13 cm Dressing forceps, 13 cm – 5 1/8″ Pinza anatómica, 13 cm Pince anatomique, 13 cm Pinza anatomica, 13 cm	06.00.13
2	Chirurgische Pinzetten, 13 cm Tissue forceps, 13 cm l– 5 1/8″ Pinzas quirúrgicas, 13 cm Pinces chirurgicale, 13 cm Pinze chirurgiche, 13 cm	06.05.13
2	FRICKE Unterbindungspinzetten mit Schiebeschloss FRICKE Ligature forceps, with sliding lock FRICKE Pinzas para ligaduras con cierre corredizo FRICKE Pinces à ligatures, avec fermeture à coulisse FRICKE Pinze per legatura con chiusura scorrevole	15.05.13
1	Hohlsonde, 13 cm Grooved director, 13 cm – 5 1/8″ Sonda acanalada, 13 cm Sonde boutonnée, 13 cm Sonda scanalata, 13 cm	09.15.13
1	Reinigungsbürste Cleaning brush Cepillo para limpiar Brosse de nettoyage Spazzolino per pulire le cannule tracheali	73.64.70

in sterilisierbarer Leinentasche in sterilizable canvas roll en bolsillo de tela esterilizable le tout dans une trousse de toile stérilisable in borsa di tela sterilizzabile	996.00.08
eingelegt in Metalletui placed in metal case alojado en caja de metal placé en boîte métallique alloggiata in scatola metallica	200 × 100 × 40 mm 46.52.40

medicon instrumente
the art of surgery



1:4

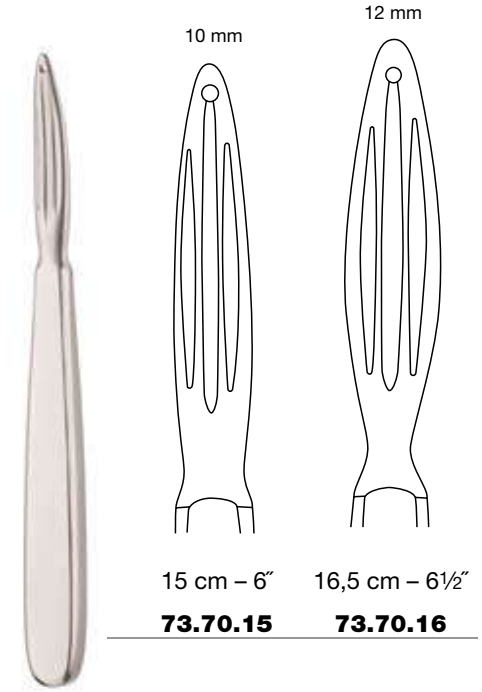
73.69.50

Tracheotomiebesteck II, bestehend aus:
Tracheotomy set no. II, consisting of:
Estuche para traqueotomía no. II, compuesto de:
Trousse pour trachéotomie no. II, se composant de:
Astuccio per tracheotomia no. II, composto di:

1	BERGMANN Skalpell BERGMANN Scalpel BERGMANN Bisturí BERGMANN Bistouri BERGMANN Bisturi	01.56.01
1	Trachealhäkchen, scharf Tracheal hook, sharp Ganchito traqueal, agudo Crochet trachéal, pointu Uncinetto tracheale, acuto	20.64.01
1	TROUSSEAU Trachealdilatator TROUSSEAU Tracheal dilator TROUSSEAU Dilatador traqueal TROUSSEAU Dilatateur trachéal TROUSSEAU Dilatatore tracheale	73.66.02
1	LUER Trachealkanüle, Fig. 2 – Ø 6 mm, Neusilber LUER Tracheal tube, size 2 – Ø 6 mm, nickel-silver LUER Cánula traqueal, fig. 2 – Ø 6 mm, plata alemana LUER Canule trachéale, fig. 2 – Ø 6 mm, maillechort LUER Cannula tracheale, fig. 2 – Ø 6 mm, argentone	73.50.06
1	LUER Trachealkanüle, Fig. 4 – Ø 8 mm, Neusilber LUER Tracheal tube, size 4 – Ø 8 mm, nickel-silver LUER cánula traqueal, fig. 4 – Ø 8 mm, plata alemana LUER Canule trachéale, fig. 4 – Ø 8 mm, maillechort LUER Cannula tracheale, fig. 4 – Ø 8 mm,argentone	73.50.08

in sterilisierbarer Leinentasche in sterilizable canvas roll en bolsillo de tela esterilizable le tout dans une trousse de toile stérilisable in borsa di tela sterilizzabile	996.00.08
eingelegt in Metalletui placed in metal case alojado en caja de metal placé en boîte métallique alloggiata in scatola metallica	200 × 100 × 40 mm 46.52.40

Kropfsonden
Thyroid dissectors
Sondas para bocio
Sondes à goitre
Sonde per gozzo



15 cm – 6″ **73.70.15**
16,5 cm – 6½″ **73.70.16**

Kocher

Kropfsondenschere
Thyroid dissecting scissors
Tijera-exploradora para bocio
Ciseaux à goitre
Forbice esploratrici per gozzo



15 cm – 6″ **73.71.15**

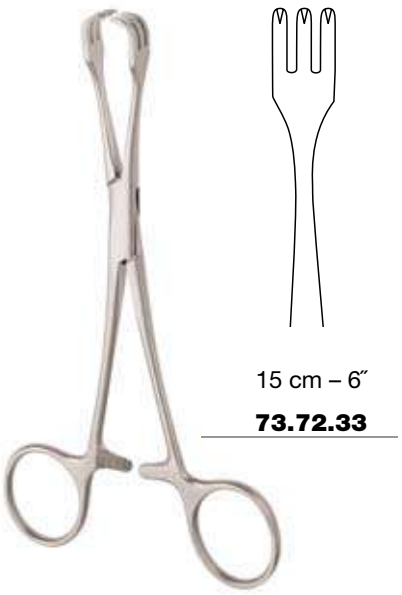
Schoemaker

Kropffasszangen
Goiter forceps
Pinzas prensoras de bocio
Pinces à préhension pour goitre
Pinze per presa gozzo



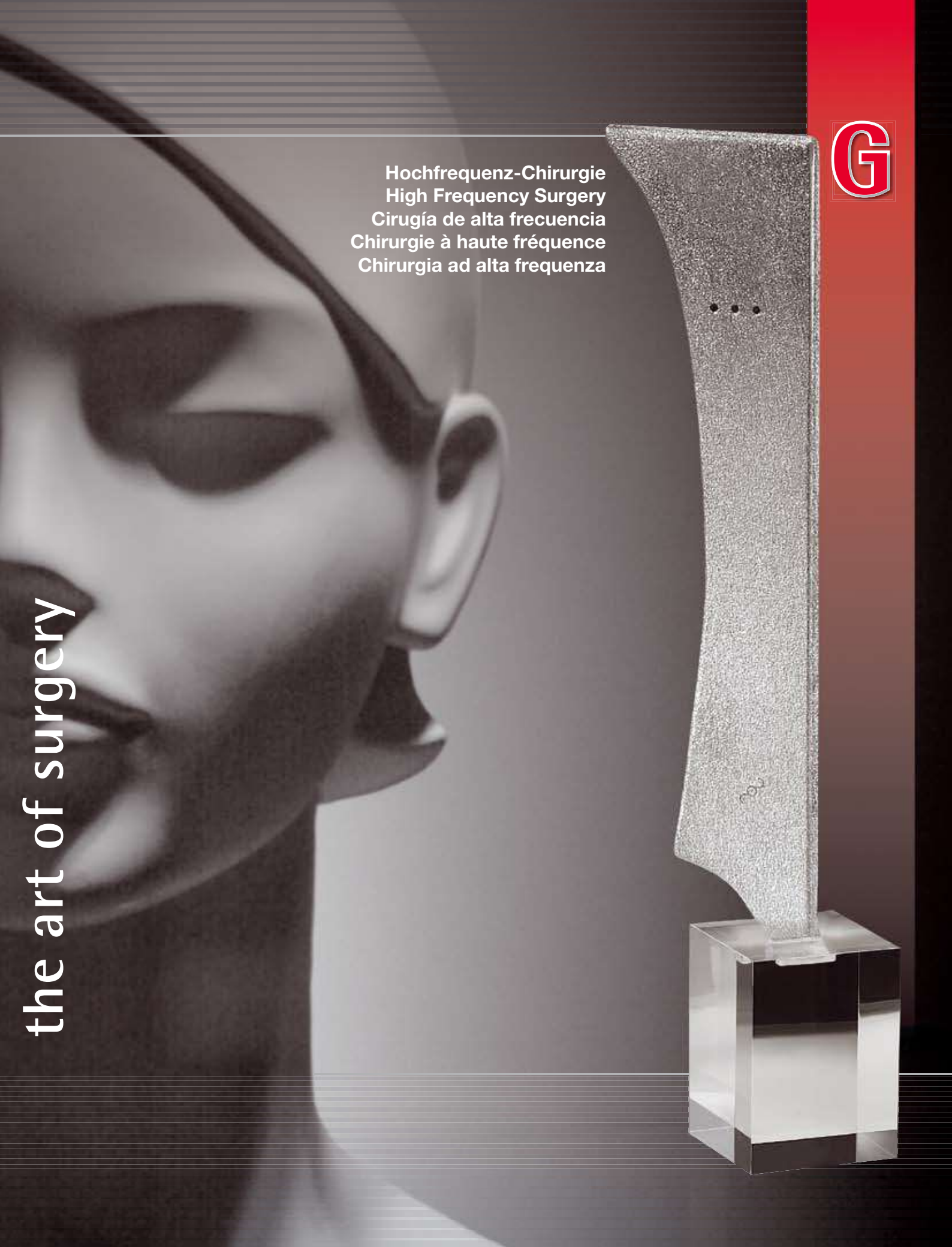
15 cm – 6″ **73.72.32**

Lovelace



15 cm – 6″ **73.72.33**

Lahey


Hochfrequenz-Chirurgie
High Frequency Surgery
Cirugía de alta frecuencia
Chirurgie à haute fréquence
Chirurgia ad alta frequenza
the art of surgery

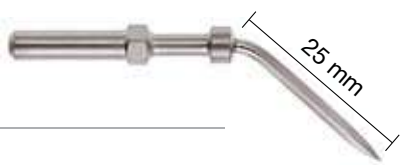
Elektrodenhandgriffe mit fest verbundenem Kabel
Electrode handles with fixed cable
Mangos porta electrodos con cable fijo
Manches pour électrodes avec câble fixe
Manipoli per elettrodi con cavo fisso

		Erbe ACC	Valleylab Martin Erbe ICC International
		Ø 5 mm	
Ø 4 mm		4,5 m **87.33.70**	3 m **87.33.71** 4,5 m **87.33.72**
Ø 2,4 mm		4,5 m **87.33.75**	3 m **87.33.76** 4,5 m **87.33.77**

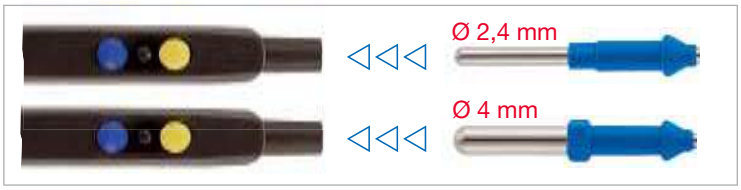
Dental-Elektrodenhandgriffe mit fest verbundenem Kabel
Dental electrode handles with fixed cable
Mangos porta electrodos dentales con cable fijo
Manches epour électrodes dentaire avec câble fixe
Manipoli per elettrodi dentali con cavo fisso

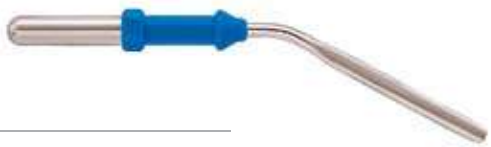
		Martin Berchtold	
		Ø 12,5 mm	Ø 4 mm
Ø 1,6 mm		3 m **87.33.80**	3 m **87.33.81**



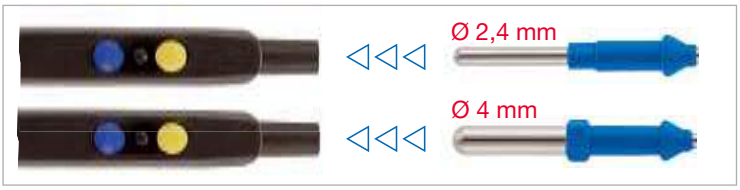
Drahtschlingenelektroden Wire loop electrodes Electrodos de lazo de alambre Electrodes à anse en fil Elettrodi ad ansa di filo	**87.30.45** **87.30.50** **87.30.55**	Ø 5 mm Ø 10 mm Ø 20 mm	
Bandschlingenelektroden Ribbon loop electrodes Electrodos de lazo de cinta Electrodes à anse de ruban Elettrodi ad ansa a nastro	**87.30.60** **87.30.65** **87.30.70**	Ø 10 mm Ø 15 mm Ø 20 mm	
Kugelelektroden Ball electrodes Electrodos de bola Electrodes à boule Elettrodi a sfera	**87.30.72** **87.30.74** **87.30.76**	Ø 2 mm Ø 4 mm Ø 6 mm	
Plattenelektroden Plate electrodes Electrodos de placa Electrodes à plaque Elettrodi a piastra	**87.30.85** **87.30.90**	8×10 mm 11×10 mm	
Lanzettenelektrode Lancet electrode Electrodo de lanceta Electrode à lancette Elettrodo a lancetta	**87.30.12**		
Lanzettenelektrode Lancet electrode Electrodo de lanceta Electrode à lancette Elettrodo a lancetta	**87.30.17**		
Messerelektroden Knife electrodes Electrodos de cuchillo Electrodes à couteau Elettrodi a bisturi	**87.30.20** **87.30.25**	a = 20 mm a = 25 mm	
Nadelelektroden Needle electrodes Electrodos de aguja Electrodes à aiguille Elettrodi ad ago	**87.30.35** **87.30.38**	Ø 0,5 mm Ø 0,8 mm	

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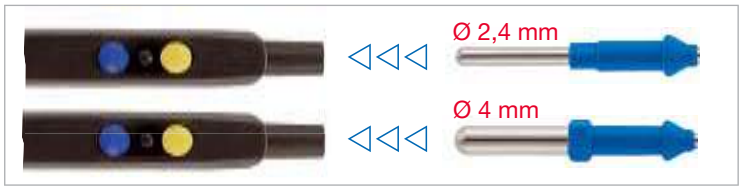
	Ø 4 mm	Ø 2,4 mm	
Messerelektroden Knife electrodes Electrodos de cuchillo Electrodes à couteau Elettrodi a bisturi	**87.32.00**	**87.33.00**	
Messerelektroden Knife electrodes Electrodos de cuchillo Electrodes à couteau Elettrodi a bisturi	**87.32.02**	**87.33.02**	 Ø 1,5 mm
Spatelelektroden Spatula electrodes Electrodos de espátula Electrodes à spatule Elettrodi a spatola	**87.32.04**	**87.33.04**	
Spatelelektroden Spatula electrodes Electrodos de espátula Electrodes à spatule Elettrodi a spatola	**87.32.06**	**87.33.06**	
Lanzettenelektroden Lancet electrodes Electrodos de lanceta Electrodes à lancette Elettrodi a lancetta	**87.32.08**	**87.33.08**	
Lanzettenelektrode Lancet electrode Electrodo de lanceta Electrode à lancette Elettrodo a lancetta	**87.32.10**	**87.33.10**	
Nadelelektroden Needle electrodes Electrodos de aguja Electrodes à aiguille Elettrodi ad ago	**87.32.12**	**87.33.12**	
Nadelelektroden Needle electrodes Electrodos de aguja Electrodes à aiguille Elettrodi ad ago	**87.32.14**	**87.33.14**	 45°

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	Ø 4 mm	Ø 2,4 mm	
Drahtschlingenelektroden Wire loop electrodes Electrodos de lazo de alambre Electrodes à anse en fil Elettrodi ad ansa di filo	Ø 14 mm **87.32.16**	Ø 14 mm **87.33.16**	
Drahtschlingenelektroden Wire loop electrodes Electrodos de lazo de alambre Electrodes à anse en fil Elettrodi ad ansa di filo	Ø 10 mm **87.32.18**	Ø 10 mm **87.33.18**	
Drahtschlingenelektroden Wire loop electrodes Electrodos de lazo de alambre Electrodes à anse en fil Elettrodi ad ansa di filo	Ø 5 mm **87.32.20**	Ø 5 mm **87.33.20**	
Bandschlingenelektroden Ribbon loop electrodes Electrodos de lazo de cinta Electrodes à anse de ruban Elettrodi ad ansa a nastro	Ø 17 mm **87.32.22**		
Bandschlingenelektroden Ribbon loop electrodes Electrodos de lazo de cinta Electrodes à anse de ruban Elettrodi ad ansa a nastro	Ø 10 mm **87.32.24**	Ø 10 mm **87.33.24**	
Kugelelektroden Ball electrodes Electrodos de bola Electrodes à boule Elettrodi a sfera	Ø 6 mm **87.32.26**	Ø 6 mm **87.33.26**	
Kugelelektroden Ball electrodes Electrodos de bola Electrodes à boule Elettrodi a sfera	Ø 4 mm **87.32.28**	Ø 4 mm **87.33.28**	
Kugelelektroden Ball electrodes Electrodos de bola Electrodes à boule Elettrodi a sfera	Ø 4 mm **87.32.30**	Ø 4 mm **87.33.30**	

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	Ø 4 mm	Ø 2,4 mm	
Kugelelektroden Ball electrodes Electrodos de bola Electrodes à boule Elettrodi a sfera	Ø 2 mm **87.32.32**	Ø 2 mm **87.33.32**	
Kugelelektroden Ball electrodes Electrodos de bola Electrodes à boule Elettrodi a sfera	Ø 2 mm **87.32.34**	Ø 2 mm **87.33.34**	
Kugelelektrode Ball electrode Electrodo de bola Electrode à boule Elettrodo a sfera	Ø 1,5 mm **87.32.36**		
Kugelelektrode Ball electrode Electrodo de bola Electrode à boule Elettrodo a sfera	Ø 1,5 mm **87.32.38**		
Plattenelektrode Plate electrode Electrodo de placa Electrode à plaque Elettrodo a piastra	8 × 10 mm **87.32.40**		
Plattenelektrode Plate electrode Electrodo de placa Electrode à plaque Elettrodo a piastra	10 × 15 mm **87.32.42**		

Nadelelektrode
Needle electrode
Electrodo de aguja
Electrode à aiguille
Elettrodo ad ago



Ø 4mm
87.30.39

Abbildungen 1:1
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Illustrations 1:1
Illustrazioni 1:1

für Elektroden
for electrodes
para eletrodos
pour électrodes
per elettrodi

Ø 4 mm



Ø 4 mm

22,5 cm – 9″

87.33.50

Ø 4 mm



Ø 4 mm

17,5 cm – 7″

87.33.51

Ø 2,4 mm



Ø 2,4 mm

17,5 cm – 7″

87.33.52

Ø 2,4 mm



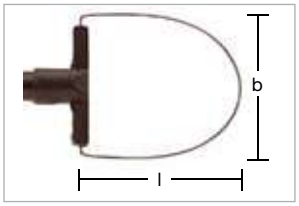
Ø 2,4 mm

10 cm – 4″

87.33.53

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	l × b	
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	20 × 20 mm **87.34.00**	
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	15 × 20 mm **87.34.01**	
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	10 × 10 mm **87.34.02**	
Messerelektrode Knife electrode Electrodo de cuchillo Electrode à couteau Elettrodo a bisturi	**87.34.10**	
Lanzettenelektrode Lancet electrode Electrodo de lanceta Electrode à lancette Elettrodo a lancetta	**87.34.11**	
Lanzettenelektrode Lancet electrode Electrodo de lanceta Electrode à lancette Elettrodo a lancetta	**87.34.12**	

Nutzlänge ca. 10 cm
Working length approx. 10 cm – 4″
Largo útil aprox. 10 cm
Longueur utile env. 10 cm
Lunghezza utile ca. 10 cm



Nadelelektrode Needle electrode Electrodo de aguja Electrode à aiguille Elettrodo ad ago	**87.34.15**	
Nadelelektrode Needle electrode Electrodo de aguja Electrode à aiguille Elettrodo ad ago	**87.34.16**	
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	Ø 10 mm **87.34.20**	
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	Ø 5 mm **87.34.21**	
Kugelelektrode Ball electrode Electrodo de bola Electrode à boule Elettrodo a sfera	Ø 6 mm **87.34.25**	
Kugelelektrode Ball electrode Electrodo de bola Electrode à boule Elettrodo a sfera	Ø 6 mm **87.34.26**	
Kugelelektrode Ball electrode Electrodo de bola Electrode à boule Elettrodo a sfera	Ø 4 mm **87.34.27**	

Nutzlänge ca. 10 cm
Working length approx. 10 cm – 4″
Largo útil aprox. 10 cm
Longueur utile env. 10 cm
Lunghezza utile ca. 10 cm



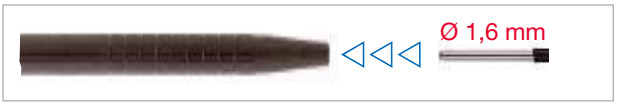
Nadelelektrode Needle electrode Electrodo de aguja Electrode à aiguille Elettrodo ad ago	Ø 0,2 mm **87.31.32**	# 1	
Nadelelektrode Needle electrode Electrodo de aguja Electrode à aiguille Elettrodo ad ago	Ø 0,2 mm **87.31.37**	# 2	
Nadelelektrode Needle electrode Electrodo de aguja Electrode à aiguille Elettrodo ad ago	Ø 0,2 mm **87.31.40**	# 3	
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	Ø 5 mm **87.31.41**	# 6	
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	Ø 3 mm **87.31.42**	# 11	
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	Ø 5 mm **87.31.45**	# 12	
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	Ø 8 mm **87.31.48**	# 13	
Drahtschlingenelektrode, rhombusförmig Wire loop electrode, rhombic Electrodo de lazo de alambre, romboidal Electrode à anse en fil, losangée Elettrodo ad ansa di filo, romboidale	**87.31.54**	# 14	

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Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	7 × 1,5 mm **87.31.56**	# 15	 45°
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	6 × 1,3 mm **87.31.57**	# 17	
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	7 × 1,7 mm **87.31.63**	# 18	 30°
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	7× 1,7 mm **87.31.64**	# 19	 45°
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	7 × 1,4 mm **87.31.65**	# 20	 45°
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	7 × 1,7 mm **87.31.62**	# 21	
Drahtschlingenelektrode, rhombusförmig Wire loop electrode, rhombic Electrodo de lazo de alambre, romboidal Electrode à anse en fil, losangée Elettrodo ad ansa di filo, romboidale	**87.31.66**	# 24	 45°

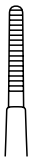
Abbildungen 1:1
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Ilustraciones 1:1
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Illustrazioni 1:1



Koagulations-Nadelelektrode Coagulating needle electrode Electrodo de aguja para coagulación Electrode à aiguille pour coagulation Elettrodo ad ago per coagulazione	Ø 0,6 mm **87.31.67**	# 31	
Kugelelektrode Ball electrode Electrodo de bola Electrode à boule Elettrodo a sfera	Ø 1,7 mm **87.31.71**	# 33	
Kugelelektrode Ball electrode Electrodo de bola Electrode à boule Elettrodo a sfera	Ø 3 mm **87.31.73**	# 34	
Koagulations- und Fulgurationselektrode Coagulating and fulgurating electrode Electrodo para coagulación y fulguración Electrode de coagulation et de fulguration Elettrodo per coagulazione e fulgurazione	**87.31.68**	# 35	
Epilationsnadelelektrode Needle electrode for epilation Electrodo de aguja para la epilación Electrode à aiguille pour l'épilation Elettrodo ad ago per la epilazione	**87.31.69**		

Abbildungen 1:1
Illustrations 1:1
Ilustraciones 1:1
Illustrations 1:1
Illustrazioni 1:1





18 cm – 7⅛″	**87.02.18**
21 cm – 8¼″	**87.02.21**
25 cm – 10″	**87.02.25**

Isomed





18 cm – 7⅛″	**87.05.18**
21 cm – 8¼″	**87.05.21**
25 cm – 10″	**87.05.25**

Isomed





18 cm – 7⅛″

87.06.18

Isomed



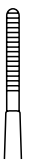


18 cm – 7⅛″

87.06.19

Isomed





18 cm – 7⅛″	**87.02.68**
21 cm – 8¼″	**87.02.71**
25 cm – 10″	**87.02.75**

Isomed





18 cm – 7⅛″	**87.05.68**
21 cm – 8¼″	**87.05.71**
25 cm – 10″	**87.05.75**

Isomed





18 cm – 7⅛″

87.06.68

Isomed

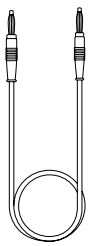




18 cm – 7⅛″

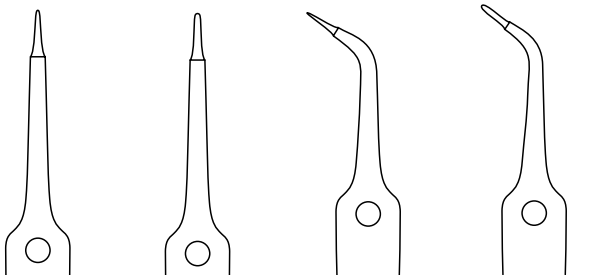
87.06.69

Isomed



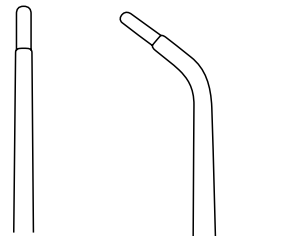
passendes Anschlusskabel Nr. 87.30.96 (siehe Seite 525)
suitable connecting cable No. 87.30.96 (see page 525)
cable de conexión apropiado No. 87.30.96 (vean pagina 525)
câble de raccordement approprié No. 87.30.96 (voir page 525)
cavo di collegamento appropriato No. 87.30.96 (vedi pagina 525)





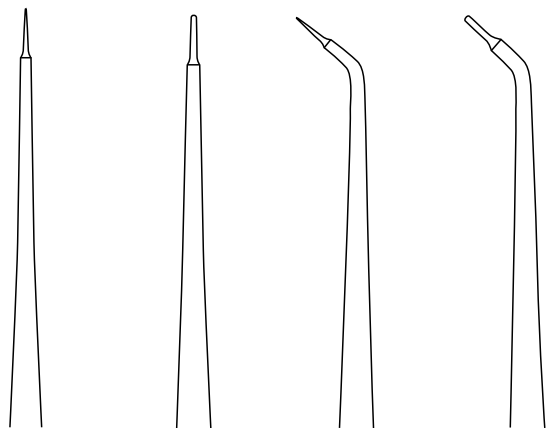
11 cm – 4⅜″	11 cm – 4⅜″	11 cm – 4⅜″	11 cm – 4⅜″
88.12.05	**88.12.06**	**88.12.07**	**88.12.08**





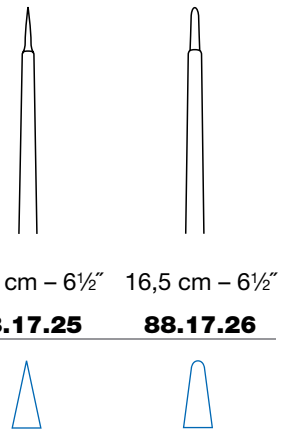
16,5 cm – 6½″	16,5 cm – 6½″
88.17.16	**88.17.18**





16,5 cm – 6½″	16,5 cm – 6½″	16,5 cm – 6½″	16,5 cm – 6½″
88.17.05	**88.17.06**	**88.17.07**	**88.17.08**

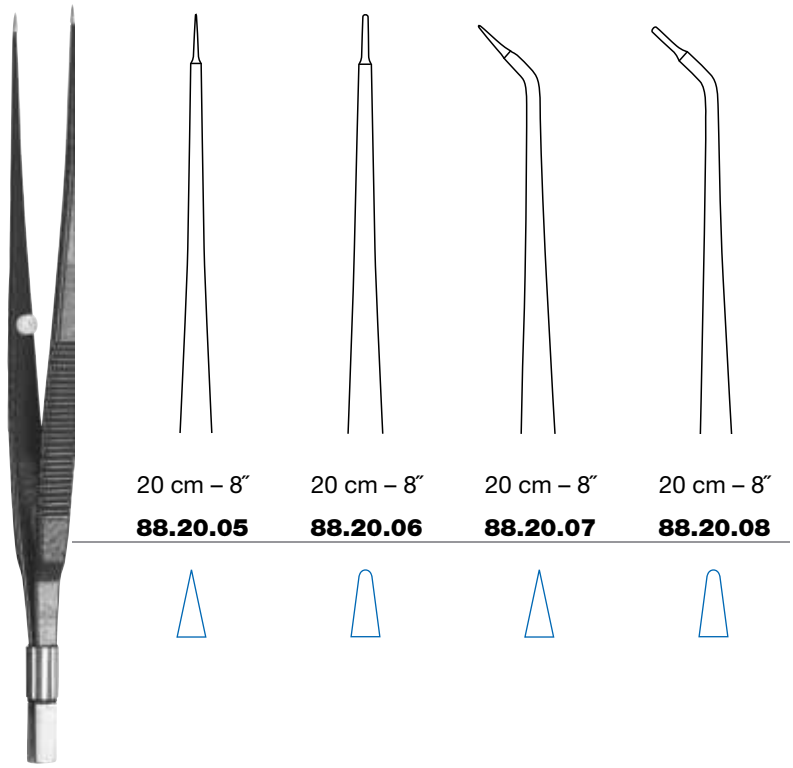




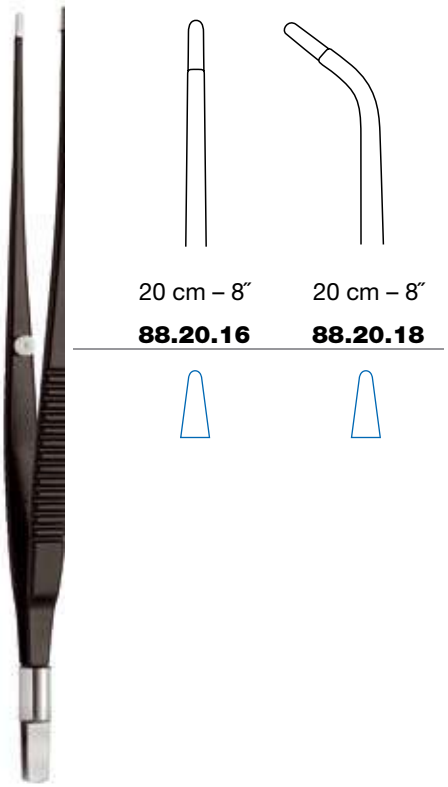
16,5 cm – 6½″	16,5 cm – 6½″
88.17.25	**88.17.26**

spitz
sharp
aguda
pointue
acuta

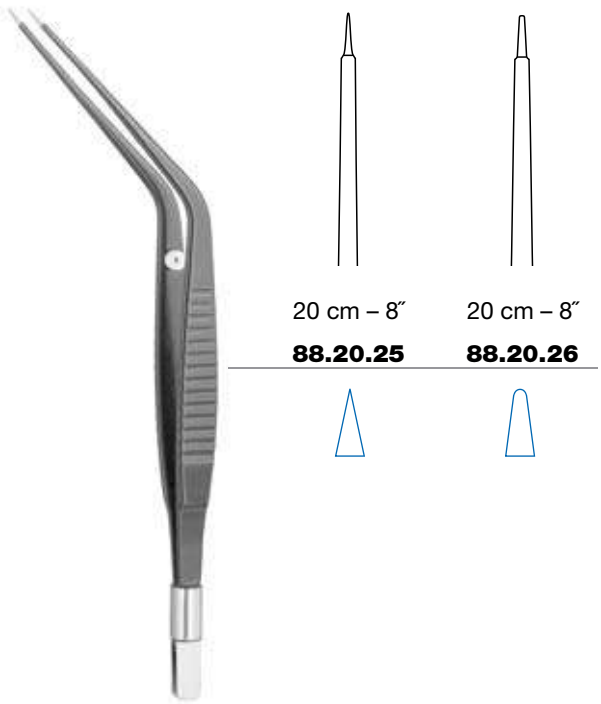
stumpf
blunt
romo
mousse
smussa



20 cm – 8″	20 cm – 8″	20 cm – 8″	20 cm – 8″
88.20.05	**88.20.06**	**88.20.07**	**88.20.08**



20 cm – 8″	20 cm – 8″
88.20.16	**88.20.18**

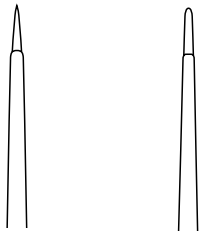


20 cm – 8″	20 cm – 8″
88.20.25	**88.20.26**

spitz
sharp
aguda
pointue
acuta

stumpf
blunt
romo
mousse
smussa

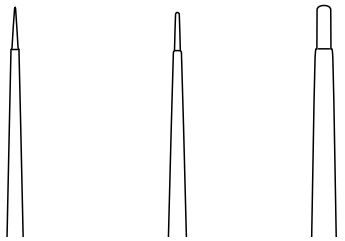




16,5 cm – 6½″ | 16,5 cm – 6½″

88.67.05 | **88.67.06**





19 cm – 7½″ | 19 cm – 7½″ | 19 cm – 7½″

88.70.05 | **88.70.06** | **88.70.16**







19 cm – 7½″

88.70.38







19 cm – 7½″

88.70.39





spitz
sharp
aguda
pointue
acuta



stumpf
blunt
romo
mousse
smussa

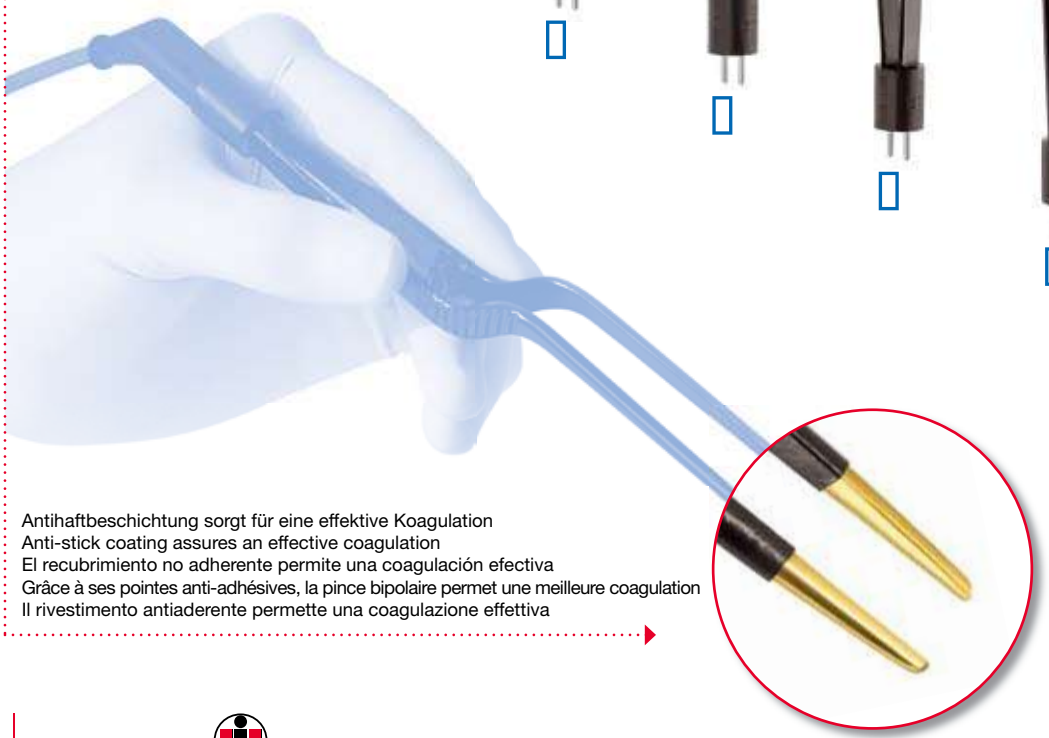
MAGIC non-stick

geringes Gewicht
extremely light weight
peso muy ligero
poids léger
peso minimo

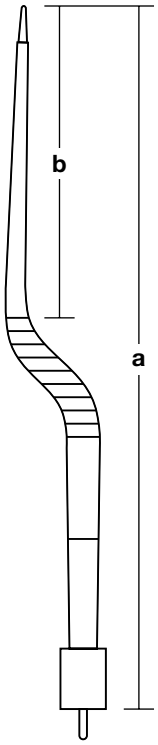
45°



MAGIC NON-STICK



Antihaftbeschichtung sorgt für eine effektive Koagulation
Anti-stick coating assures an effective coagulation
El recubrimiento no adherente permite una coagulación efectiva
Grâce à ses pointes anti-adhésives, la pince bipolaire permet une meilleure coagulation
Il rivestimento antiaderente permette una coagulazione effettiva



			a	b	
▯	**88.30.01**	ADSON	12,7 cm (5″)	—	1,0 mm
▯	**88.30.04**	SEMKIN	15,2 cm (6″)	—	1,5 mm
▯	**88.30.05**	CUSHING	17,8 cm (7⅛″)	—	0,7 mm
▯	**88.30.07**	CUSHING	17,8 cm (7⅛″)	—	1,5 mm
▯	**88.30.10**	GERALD	17,8 cm (7⅛″)	—	1,0 mm
▯	**88.30.25**	YASARGIL	18,1 cm (7⅛″)	8,3 cm (3⅜″)	0,5 mm
	88.30.28	YASARGIL	18,1 cm (7⅛″)	8,3 cm (3⅜″)	0,7 mm
	88.30.31	YASARGIL	18,1 cm (7⅛″)	8,3 cm (3⅜″)	1,0 mm
	88.30.34	YASARGIL	18,1 cm (7⅛″)	8,3 cm (3⅜″)	1,3 mm
▯	**88.30.37**	YASARGIL	20,0 cm (8″)	10,2 cm (4″)	0,5 mm
	88.30.40	YASARGIL	20,0 cm (8″)	10,2 cm (4″)	0,7 mm
	88.30.43	YASARGIL	20,0 cm (8″)	10,2 cm (4″)	1,0 mm
	88.30.46	YASARGIL	20,0 cm (8″)	10,2 cm (4″)	1,3 mm
▯	**88.30.49**		22,2 cm (8¾″)	9,4 cm (3¾″)	1,0 mm
▯	**88.30.61**		22,2 cm (8¾″)	9,4 cm (3¾″)	0,5 mm

Weitere Modelle auf Anfrage
Further models upon request
Modelos adicionales están disponibles a petición
D'autres modèles sont disponibles sur demande
Ulteriori modelli su richiesta



88.00.25

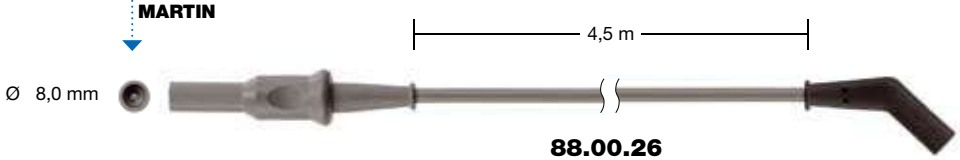
ERBE / ICC

Koaxialstecker für Geräte von
Coaxial connector for apparatus of
Enchufe coaxial para equipos de
Fiche coaxiale pour appareils de
Attacco coassiale per apparecchi di

Bipolare Anschlusskabel
Bipolar connecting cables
Cables de conexión bipolar
Câbles connecteurs bipolaires
Cavi di connessione bipolar



MARTIN



88.00.26

Bipolare Antihaft-Pinzetten
Bipolar Non-sticking Forceps
Pinzas bipolares no adherentes
Pinces bipolaires anti-adhésives
Pinze bipolari antiaderenti





- Kein Anhaften von Biogewebe
- Schnelle Wärme- und Stromableitung
- Einfache Reinigung

- No adhesion of biological tissue
- Quick lead away of heat and current
- Easy to clean

- Ninguna adherencia del tejido
- Derivación rápida del calor y corriente
- Mantenimiento fácil

- Les tissus ne restent pas collés à la pince
- Conductivité rapide et sûre de la chaleur et de l'électricité
- Facile d'entretien

- Nessuna adesione di tessuti
- Derivazione veloce di calore e corrente
- Pulitura facile

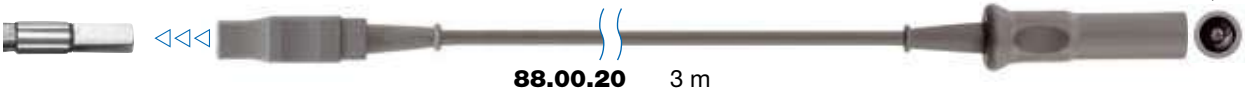
medicon instrumente
the art of surgery

Indikationen Indications Indicaciones Indications Indicazioni		Nutzlänge Working length Largo útil Longueur utile Lunghezza utile	
Rachenmandeln Pharyngeal tonsils Amígdalas faríngeas Amygdales pharyngiennes Tonsille faringee	17 cm – 6¾″ **88.90.59**	10 cm – 4″	**Meuser** 90° 
	18,5 cm – 7¼″ **88.90.54**	11 cm – 4⅜″	**Meuser** 45° 
Nasenmuschel Nasal concha Cornete nasal Conque nasale Cavità nasale	18,5 cm – 7¼″ **88.90.20**	11 cm – 4⅜″	**Binner** 

Indikationen Indications Indicaciones Indications Indicazioni		Nutzlänge Working length Largo útil Longueur utile Lunghezza utile	
Nase Nose Nariz Nez Naso	17 cm – 6¾″ **88.90.10**	8 cm – 3⅛″	**Meuser** 
Rachenmandeln Pharyngeal tonsils Amígdalas faríngeas Amygdales pharyngiennes Tonsille faringee	19 cm – 7½″ **88.90.30**	11 cm – 4⅜″	**Meuser** 
Larynx Larynx Laringe Larynx Laringe	35 cm – 13¾″ **88.90.40**	27 cm – 10¾″	**Binner** 

Anschlusskabel und Halteklammer
Connecting Cables and Bracket
Cables de conexión y dispositivo
Câbles connecteurs et dispositif
Cavi di connessione e dispositivo

Stecker für Instrumente:				Stecker für Geräte von:
Connector for instruments:	bipolar	monopolar		Connector for apparatus of:
Enchufe para instrumentos:	bipolar	monopolar		Enchufe para equipos de:
Fiche pour instruments:	bipolar	monopolar		Fiche pour appareils de:
Attacco per strumenti:	bipolare	monopolare		Attacco per apparecchi:



Ø 12,5 mm

MEDICON
ERBE
STORZ

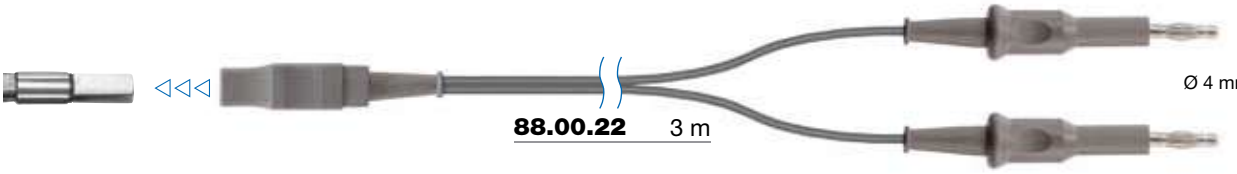
88.00.20 3 m
88.00.21 4 m



Ø 8 mm

MARTIN
BERCHTOLD
AESCULAP
WOLF

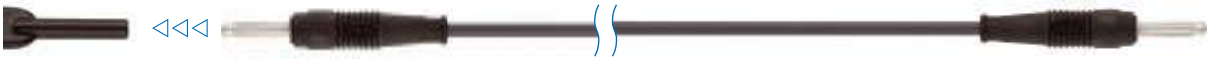
88.00.23 3 m
88.00.24 5 m



Ø 4 mm

U.S. Standard
ERBE ICC International

88.00.22 3 m

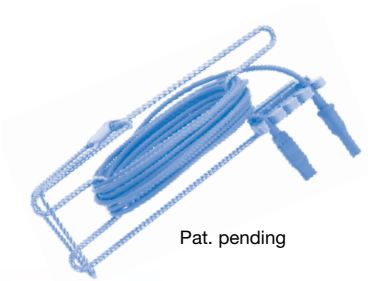


ERBE
MARTIN
BERCHTOLD

87.30.96 3 m

passende Koagulationspinzetten (siehe Seite 518)
suitable Coagulation Forceps (see page 518)
Pinzas de coagulación apropiado (vean pagina 518)
Pinces pour coagulation approprié (voir page 518)
Pinze per coagulazioneappropriato (vedi pagina 518)

Halteklammer für ein HF-Kabel mit Knickschutz
Bracket for one HF cable with buckling resistance
Dispositivo para un cable HF con protección contra pliegues de cables
Dispositif pour câble HF avec protection contre plis de câble
Dispositivo per un filo ad alta frequenza con protezione antipiega



Pat. pending

- Passend für Siebkörbe ab ½-Container
- Sicherheitsverschluss dient auch als Haltegriff
- Verwendbar für alle HF-Kabel

- Suitable for wire baskets starting from ½ container
- Safety lock may serve as handle
- Suitable for all HF cables

- Aptos para bandejas a partir de ½ contenedor
- Cierre de seguridad sirve también de mango
- Utilizable para todos cables HF

- Approprié pour paniers à partir de ½ container
- Fermoir de sécurité utilisable comme manche
- Approprié pour tous types de câbles HF

- Adatto a cestelli da ½ container
- Chiusura di sicurezza utilizzabile come Impugnatura
- Adatto a tutti i cavi ad alta frequenza



22,5 cm - 9″

88.00.40

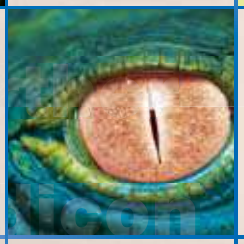


Weitere Medicon Produkte
Further Medicon Products
Más productos de Medicon
D'autres produits de Medicon
Altri prodotti Medicon

FURTHER MEDICON PRODUCTS







Gubisch

Nasensieb
Rhino set
Set nasal
Boîte pour la rhinotomie
Set per rinologia

Sinuscopy

Nasennebenhöhlen - Chirurgie
Paranasal Sinuss Surgery
Cirurgia del seno paranasal
Chirurgie du sinus nasal
Chirurgia per il seno paranasale

Plastic

Plastische Chirurgie
Plastic surgery
Chirugía plástica
Chirurgie plastique
Chirurgia plastica

Endoscopy

Geräte
Equipment
Aparatos
Appareils
Apparecchhiatura

Yasargil

Aneurismen-Clips
Aneurysm clips
Clips de aneurisma
Clips anévrismaux
Clips per aneurisma

Cayman

Biegewellen-System
Flexible Cable Motor system
Sistema de motor con eje flexible
Système à tige rotative
Sistema a frusta

VipAir

Druckluftmotorensystem
Pneumatic high speed system
Systèma de motor neumático
Système de moteurs à air comprimé
Sistema motore pneumatico

the art of surgery

FURTHER MEDICON PRODUCTS







C M S - Sstems

Cranio-Maxillofaziale Systeme
Cranio maxillofacial systems
Sistemas craneo maxilofaciales
Systèmes cranio maxillo-faciales
Sistemas cranio maxillo-facciale

Mandibula

Rekonstruktions- / Frakturplatten
Reconstruction / Fracture plates
Placas de reconstrucción / fracturas
Plaques de reconstruction / fractures
Placche di ricostruzione / fratture

Obwegeser

Instrumente
Instruments
Instrumentos
Instruments
Strumenti

Medicontainer

Container-Systeme
Container systems
Sistema de contenedores
Systèmes de containers
Sistemi di contenitori

Servotronic

Mikrosägen
Micro Saws
Microsierras
Microscies
Microseghe

Epiplating

Platten-System
Plate system
Sistema de placas
Système de plaques
Sistema di placche

Micro Saws

Micromotor
Micro Motor
Micromotor
Micromoteur
Micromotore



FURTHER MEDICON PRODUCTS



Distraction Devices

Enorale Unterkieferdistraktoren
Intraoral mandibular distraction devices
Distractores mandibulares intraorales
Distracteurs mandibulaires intra-oraux
Distrattori mandibolari intraorali

Main Catalogue

Hauptkatalog
Main catalogue
Catálogo general
Catalogue général
Catalogo generale



the art of surgery



J

Siebvorschläge
Set Suggestions
Proposiciónes de juegos
Propositions pour boîtes
Proposte di sets


01.22.10


01.22.11


01.27.03


01.27.13


06.21.12


07.01.10


07.30.14


07.30.19


07.35.13


07.35.17

09.11.15


09.15.16

09.22.14


09.22.18 09.52.33


09.83.08 09.83.12


10.18.65


15.44.12


15.45.12


15.70.14


15.71.14


16.11.16

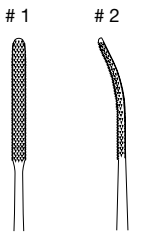

17.55.13


20.17.50


22.18.21


24.22.17




1 # 2
26.05.41 26.05.42


27.61.13


27.61.14

	Part 1	Req. Qty
01.22.10	Scalpel blade • figure 10 • sterile • packing unit 100 pieces	1
01.22.11	Scalpel blade • figure 11 • sterile • packing unit 100 pieces	1
01.27.03	Scalpel handle • no. 3 • standard • 12,5 cm	1
01.27.13	Scalpel handle • no. 3L • long • 21 cm	1
06.21.12	**ADSON** Tissue forceps • 12 cm • 1 × 2 teeth • smooth	2
07.01.10	**GRAEFE** Fixation forceps • straight • 11 cm • with catch	2
07.30.14	**LUCAE** Bayonet forceps • 14 cm • serrated	1
07.30.19	**GRUENWALD** Bayonet forceps • 19,5 cm • serrated	2
07.35.13	**TROELTSCH (WILDE)** Ear forceps • 13 cm • serrated	1
07.35.17	**TROELTSCH** Nasal forceps • 17 cm • serrated	2
09.11.15	**MOD. USA** Probe • with eye • 15 cm	2
09.15.16	Grooved director • 16 cm	2
09.22.14	Cotton carrier • Ø 1,5 mm • 14 cm • serrated	2
09.22.18	Cotton carrier • Ø 1,5 mm • 18 cm • serrated	2
09.52.33	**COAKLEY** Antrum trocar • Ø 3 mm • 16 cm	1
09.83.08	**FRAZIER** Suction cannula • 8 French • angled • 12,5 cm	2
09.83.12	**FRAZIER** Suction cannula • 12 French • angled • 12,5 cm	1
10.18.65	**MAYO-HEGAR HM** Needle holder • 15 cm	1
15.44.12	**HALSTED-MOSQUITO** Hemostatic forceps • 12,5 cm • straight	6
15.45.12	**HALSTED-MOSQUITO** Hemostatic forceps • 12,5 cm • curved	6
15.70.14	**KELLY** Hemostatic forceps • 14 cm • straight	4
15.71.14	**KELLY** Hemostatic forceps • 14 cm • curved	4
16.11.16	**ROCHESTER-PEAN** Hemostatic forceps • 16 cm • curved	6
17.55.13	**BACKHAUS** Towel clamp • 13 cm	8
20.17.50	**CUSHING** Vein retractor • 8 × 10 cm • 21 cm	2
22.18.21	**PARKER-LANGENBECK (US-ARMY)** Retractor • double-ended • 21 cm • set/2	1
24.22.17	**WEITLANER** Retractor • 3 × 4 teeth • blunt • 16,5 cm	1
26.05.41	**GALLAHER** Rasp • 19 cm • figure 1	1
26.05.42	**GALLAHER** Rasp • 19 cm • figure 2	1
26.35.02	**FREER** Elevator • sharp/blunt • 5 mm • 19 cm	1
27.61.13	**PARTSCH** Chisel • 3 mm • 17 cm	1
27.61.14	**PARTSCH** Chisel • 4 mm • 17 cm	1

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27.61.73
27.61.74
27.61.76
27.61.78



29.51.24
29.51.50
29.51.52
29.51.53



30.30.35



44.60.00



49.60.22



49.97.22



50.02.15



50.10.16



62.01.61



62.01.93



62.07.10



62.07.11



62.10.10



62.14.70



62.18.27



62.24.05
62.24.10



62.30.10



62.31.63

	Part 2	Req. Qty
27.61.73	**PARTSCH** Gouge • 3 mm • 17 cm	1
27.61.74	**PARTSCH** Gouge • 4 mm • 17 cm	1
27.61.76	**PARTSCH** Gouge • 6 mm • 17 cm	1
27.61.78	**PARTSCH** Gouge • 8 mm • 17 cm	1
29.51.24	**VOLKMANN** Sharp curette • 17 cm • figure 4/0	1
29.51.50	**VOLKMANN** Sharp curette • 17 cm • figure 0	1
29.51.52	**VOLKMANN** Sharp curette • 17 cm • figure 2	1
29.51.53	**VOLKMANN** Sharp curette • 17 cm • figure 3	1
30.30.35	**LUER** Bone rongeur • curved • 15 cm	1
44.60.00	**ZIEGLER** Head mirror • Ø 90 mm • complete	2
49.60.22	Medicontainer • 590 × 290 × 220 mm • silver	1
49.97.22	Wire basket • 510 × 255 × 70 mm	2
50.02.15	**ALLIS** Grasping forceps • 15 cm • 4 × 5 teeth	4
50.10.16	**BABCOCK** Grasping forceps • 16 cm	4
62.01.61	**BOUCHERON** Ear specula • set/4	1
62.01.93	Delrin ear speculum • Ø 3 mm	1
62.07.10	Tuning fork • aluminium • c - 128	1
62.07.11	Tuning fork • aluminium • c^1 - 256	1
62.10.10	**KRAUSE** Ear polypus snare • 16 cm	1
62.14.70	**GROSS** Ear spoon and hook • 12 cm	2
62.18.27	**LUCAE (ROYCE)** Ear lancet knife • 18 cm	1
62.24.05	All metal ear syringe • 50 ml	1
62.24.10	All metal ear syringe • 100 ml	1
62.30.10	**MEDICON** Foreign body forceps • 13 cm	1
62.31.63	**HARTMANN** Ear forceps • 1 × 2 teeth • 8 cm	2

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62.62.03
62.62.04
62.62.05



66.05.51
66.05.52
66.05.53



66.20.10



66.25.60



66.25.65



66.40.20



66.54.30



66.58.00



72.45.20



73.48.12
73.48.16
73.48.20



202.21.11



202.50.12



202.50.13

	Part 3	Req. Qty
62.62.03	**KERRISON** Mastoid Rongeur • 8 cm • figure 0 - 3 mm	1
62.62.04	**KERRISON** Mastoid Rongeur • 8 cm • figure 1 - 4 mm	1
62.62.05	**KERRISON** Mastoid Rongeur • 8 cm • figure 2 - 5 mm	2
66.05.51	**MOD. WIEN** Nasal speculum • 14 cm • figure 1	2
66.05.52	**MOD. WIEN** Nasal speculum • 14 cm • figure 2	2
66.05.53	**MOD. WIEN** Nasal speculum • 14 cm • figure 3	2
66.20.10	**HARTMANN** Nasal dressing forceps • 18 cm	2
66.25.60	**JANSEN-MIDDLETON** Nasal septum forceps • 19 cm	1
66.25.65	**JANSEN-MIDDLETON** Nasal septum rongeur • 19 cm	1
66.40.20	**HEYMANN** Nasal scissors • 17 cm	1
66.54.30	**HAJEK-BALLENGER** Septum elevator • double-ended • 20 cm	1
66.58.00	**COAKLEY** Antrum curettes • set /6	1
72.45.20	**PRINCE** Tonsil scissors • 18 cm	2
73.48.12	Laryngeal mirror • 22 cm • figure 1- Ø 12 mm	2
73.48.16	Laryngeal mirror • 22 cm • figure 3 - Ø 16 mm	2
73.48.20	Laryngeal mirror • 22 cm • figure 5 - Ø 20 mm	2
202.21.11	**SC** Scissors • curved • 11,5 cm	2
202.50.12	**STEVENS SC** Scissors • straight • 11,5 cm • blunt	2
202.50.13	**STEVENS SC** Scissors • curved • 11,5 cm • blunt	2

Tracheotomiesieb
Tracheotomy Set
Juego para traqueostomia
Boîte pour tracheotomie
Set per tracheotomia



01.22.10 01.22.11 01.27.03 03.07.14 204.35.14 04.51.15 04.67.16 06.05.14 06.06.14 06.07.14



06.25.12 06.50.15 09.21.72 09.83.28 09.83.32 09.86.16 10.20.65 10.20.68 15.45.12



16.10.14 16.10.16 16.12.14 16.46.19 17.21.50 17.55.10 19.17.20

	Part 1	Req. Qty
01.22.10	Scalpel blade • figure 10 • sterile • packing unit 100 pieces	1
01.22.11	Scalpel blade • figure 11 • sterile • packing unit 100 pieces	1
01.27.03	Scalpel handle • no. 3 • standard • 12,5 cm	1
03.07.14	Operating scissors • curved • 14,5 cm • sharp/blunt	1
04.51.15	**JOSEPH** Scissors • curved • 15 cm	1
04.67.16	**REYNOLDS (JAMESON)** Scissors • curved • 16 cm	1
06.05.14	Tissue forceps • 14,5 cm • 1 × 2 teeth • standard	2
06.06.14	Tissue forceps • 14,5 cm • 1 × 2 teeth • medium	1
06.07.14	Tissue forceps • 14,5 cm • 1 × 2 teeth • slim	1
06.25.12	**ADSON-BROWN** Tissue forceps • straight • 12 cm • 7 × 7 teeth	1
06.50.15	**DEBAKEY AT** Vascular forceps • 15 cm • 1,5 mm	1
09.21.72	Cotton carrier • Ø 1,2 mm • 12 cm • triangular serrated	2
09.83.28	**FRAZIER (FERGUSSON)** Suction cannula • 8 French • angled • 12,5 cm	1
09.83.32	**FRAZIER (FERGUSSON)** Suction cannula • 12 French • angled • 12,5 cm	1
09.86.16	**COOLEY** Suction tube • Ø 9 mm • 30 cm	1
10.20.65	**CRILE-WOOD HM (DEBAKEY HM)** Needle holder • 15 cm	1
10.20.68	**CRILE-WOOD HM (DEBAKEY HM)** Needle holder • 18 cm	1
15.45.12	**HALSTED-MOSQUITO** Hemostatic forceps • 12,5 cm • curved	8
16.10.14	**PEAN** Hemostatic forceps • 14 cm • straight	2
16.10.16	**ROCHESTER-PEAN** Hemostatic forceps • 16 cm • straight	1
16.12.14	**KOCHER** Hemostatic forceps • 14 cm • straight • 1× 2 teeth	2
16.46.19	**BIRKETT** Hemostatic forceps • 19 cm • straight	1
17.21.50	**SCHNIDT (BOETTCHER)** Dissecting forceps • 19 cm • light curved	2
17.55.10	**BACKHAUS** Towel clamp • 10,5 cm	6
19.17.20	**GROSS** Dressing forceps • 20 cm • curved	1
204.35.14	**METZENBAUM-SLIM SC** Scissors • curved • 14 cm	1

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20.17.90


20.64.01
20.64.02


22.34.04


23.05.14


23.08.63


24.26.13


24.30.17


26.35.02


26.44.04


47.30.08

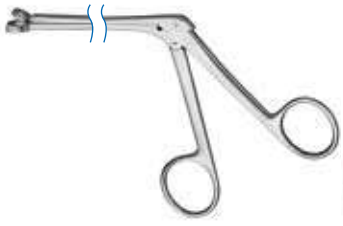

49.60.15


49.97.21


62.21.42


62.60.40


66.08.05
66.08.07
66.08.09


66.32.02


67.49.10


72.00.50


73.46.60
73.49.25


88.00.40


88.00.20


88.17.25


88.20.08

	Part 2	Req. Qty
20.17.90	**SCHOENBORN** Vein retractor • 6 × 13 mm • 21 cm	1
20.64.01	Tracheal retractor • 1 tooth • sharp • 16 cm	1
20.64.02	Tracheal retractor • 2 teeth • sharp • 8 mm • 16 cm	1
22.34.04	**VOLKMANN** Retractor • 4 teeth • sharp • 18 mm • 22 cm	2
23.05.14	**LANGENBECK** Retractor • 14 × 28 mm • 21 cm	2
23.08.63	**LANGENBECK** Retractor • 20 × 63 mm • 21 cm	2
24.26.13	**WEITLANER-WULLSTEIN** Retractor • sharp • 13 cm	1
24.30.17	**WEITLANER-BECKMANN** Retractor • blunt • 17 cm	1
26.35.02	**FREER** Elevator • sharp/blunt • 5 mm • 19 cm	1
26.44.04	**JOSEPH** Raspatory • 4 mm • 16,5 cm	1
47.30.08	Round bowl • 80 × 35 mm • 100 cc	1
49.60.15	Medicontainer • 590 × 290 × 150 mm • silver	1
49.97.21	Wire basket • 510 × 255 × 50 mm	2
62.21.42	**WULLSTEIN** Suction tube • Ø 2,0 mm • sterling silver • 16 cm	1
62.60.40	**WULLSTEIN** Raspatory • 17 cm	1
66.08.05	**KILLIAN** Nasal speculum • 14 cm • Fig. 2 - 50 mm	1
66.08.07	**KILLIAN** Nasal speculum • 14 cm • Fig. 3 - 75 mm	1
66.08.09	**KILLIAN** Nasal speculum • 14 cm • Fig. 4 - 90 mm	1
66.32.02	**HARTMANN** Nasal forceps through-cutting • 12 cm • Fig. 2	1
67.49.10	**COTTLE-MASING** Nasal scissors • curved • blunt • 10 cm	1
72.00.50	**BRUENINGS** Tongue depressor • 14/18 mm • 19 cm	1
73.46.60	**KILLIAN** Laryngeal scissors • 20 cm	1
73.49.25	**KILLIAN** Laryngeal cotton carrier • 25 cm	1
88.00.20	Bipolar connecting cable • Ø 12,5 mm • 3 m	1
88.00.40	Bracket • for high frequency cables	1
88.17.25	Coagulation forceps • bipolar • 16,5 cm • angled • sharp	1
88.20.08	Coagulation forceps • bipolar • 20 cm • angled • blunt	1

Tonsillektomie- und Adenotomiesieb
Tonsillectomy and Adenoidectomy Set
Juego para amigdalactomia y adenotomia
Boîte pour amygdalectomie et adenoidectomie
Set per tonsillectomia e adenotomia



06.00.20 06.10.20 09.78.53 09.85.00 10.18.68 16.85.38 17.21.50 17.55.10



45.57.02



47.31.02



49.60.10



49.97.21



66.32.03



71.34.10
71.34.11
71.34.12
71.34.13
71.34.15

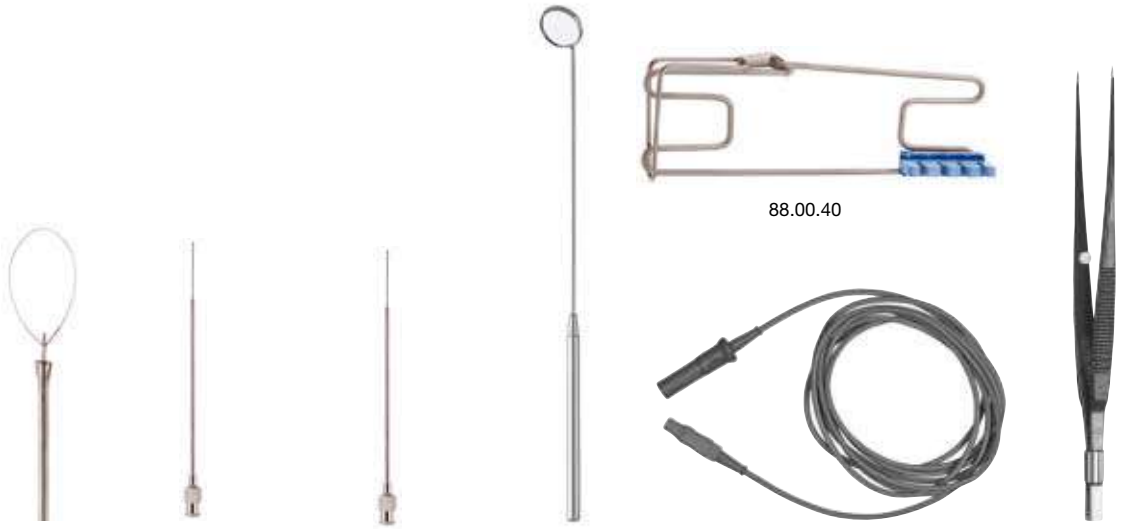
71.50.19 71.64.23 72.00.50 72.01.25 72.25.37

	Part 1	Req. Qty
06.00.20	Dressing forceps • 20 cm • standard	1
06.10.20	Tissue forceps • 20 cm • 2 × 3 teeth	1
09.78.53	Hypodermic syringe • 5 ml • Luer-Lock	1
09.85.00	**YANKAUER** Suction tube • 28 cm	1
10.18.68	**MAYO-HEGAR HM** Needle holder • 18 cm	1
16.85.38	**MIKULICZ** Peritoneum forceps • 18 cm	1
17.21.50	**SCHNIDT (BOETTCHER)** Dissecting forceps • 19 cm • curved light	1
17.55.10	**BACKHAUS** Towel clamp • 10,5 cm	6
45.57.02	**KILNER-DOUGHTY** Mouth gag • complete	1
47.31.02	Round bowl • 60 × 30 mm • 60 cc	1
49.60.10	Medicontainer • 590 × 290 × 100 mm • silver	1
49.97.21	Wire basket • 510 × 255 × 50 mm	1
66.32.03	**HARTMANN** Nasal forceps through cutting • 12 cm • figure 3	1
71.34.10	**BECKMANN** Adenoid curette 22 cm • figure 1 - 10 mm	1
71.34.11	**BECKMANN** Adenoid curette 22 cm • figure 2 - 11 mm	1
71.34.12	**BECKMANN** Adenoid curette 22 cm • figure 3 - 12 mm	1
71.34.13	**BECKMANN** Adenoid curette 22 cm • figure 4 - 13 mm	1
71.34.15	**BECKMANN** Adenoid curette 22 cm • figure 5 - 15 mm	1
71.50.19	**JURASZ** Adenoid forceps • 19 cm	1
71.64.23	**NAGER** Uvula retractor • 22 cm	1
72.00.50	**BRUENINGS** Tongue depressor • 14/18 mm • 19 cm	1
72.01.25	**HARTMANN** Tongue depressor • 75 mm • 23 cm	1
72.25.37	**HENKE** Tonsil dissector • double-ended • 24 cm	1

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72.40.15 72.40.19 72.40.21 72.45.30 72.50.05 72.50.25



88.00.40

72.50.95 72.95.10 72.95.19 73.48.14 73.48.22 88.00.20 88.20.08

	Part 2	Req. Qty
72.40.15	**MIKULICZ** Tonsil forceps • 18 cm	1
72.40.19	**COLVER** Tonsil seizing forceps • 19 cm	1
72.40.21	**BLOHMKE** Tonsil seizing forceps • 21 cm	1
72.45.30	**GOOD** Tonsil scissors • 19 cm	1
72.50.05	**BRUENINGS** Tonsil snare • 29 cm	1
72.50.25	**ROEDER** Mod. E • Tonsil snare • 27 cm	1
72.50.95	Wire loops • soldered • packing unit 100 pieces	1
72.95.10	Tonsil cannula 0,8 mm • straight 12 cm • Luer-Lock	1
72.95.19	Tonsil cannula 0,8 mm • 90° angled 12 cm • Luer-Lock	1
73.48.14	Laryngeal mirror • 22 cm • figure 2 - Ø 14 mm	1
73.48.22	Laryngeal mirror • 22 cm • figure 6 - Ø 22 mm	1
88.00.20	Bipolar connecting cable • Ø 12,5 mm • 3 m	1
88.00.40	Bracket • for high frequency cables	1
88.20.08	Coagulation forceps • bipolar • 20 cm • angled • blunt	1



49.60.13



49.97.12



49.97.82



73.17.01



73.17.02



73.17.03



73.17.04



73.17.09



73.17.21



73.17.33



73.17.35



73.17.36



73.17.38



73.30.80



	Part 1	Req. Qty
49.60.13	Medicontainer • 590 × 290 × 135 mm • silver	1
49.97.12	Wire basket • 480 × 255 × 50 mm	2
49.97.82	Silicone mat • 13 mm • 467 × 240 mm	1
73.17.01	Laryngeal cup forceps • Ø 2 mm • straight • 23 cm	1
73.17.02	Laryngeal cup forceps • Ø 2 mm • curved up • 23 cm	1
73.17.03	Laryngeal cup forceps • Ø 2 mm • curved right • 23 cm	1
73.17.04	Laryngeal cup forceps • Ø 2 mm • curved left • 23 cm	1
73.17.09	Laryngeal cup forceps • oval • 3 × 5 mm • straight • 23 cm	1
73.17.21	Laryngeal grasping forceps • serrated • straight • 23 cm	1
73.17.33	Laryngeal scissors • curved left • 23 cm	1
73.17.35	Laryngeal scissors • straight • 23 cm	1
73.17.36	Laryngeal scissors • 45° curved up • 23 cm	1
73.17.38	Laryngeal scissors • curved right • 23 cm	1
73.30.80	Laryngeal needle holder • with catch • conical • 23 cm	1

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73.49.77



74.00.03
74.00.04
74.00.05



74.01.01



74.40.07



74.47.07
74.47.10
74.47.13
74.47.14
74.47.25
74.47.27
74.47.28
74.47.35

74.47.37

74.47.42



74.47.90



88.00.40



88.00.20



88.90.40

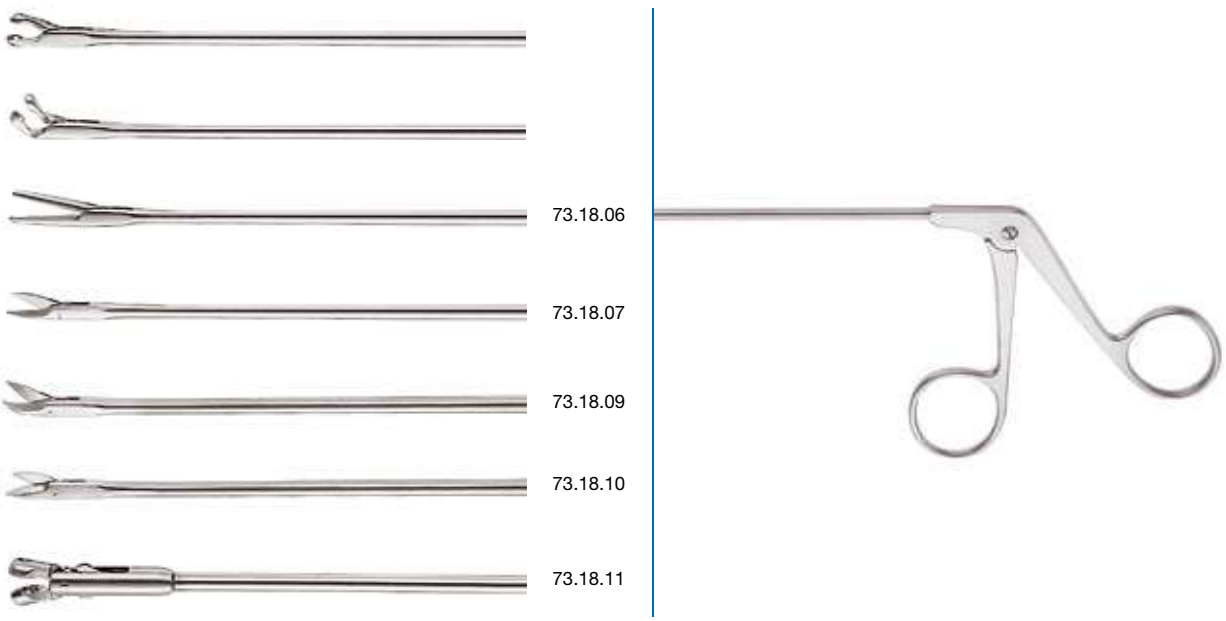
	Part 2	Req. Qty
73.49.77	Laryngeal needle • bayonet • 24,5 cm • Luer-Lock	1
74.00.03	Operating laryngoscope • 182 mm • figure 3	1
74.00.04	Operating laryngoscope • 172 mm • figure 4	1
74.00.05	Operating laryngoscope • 172 mm • figure 5	1
74.01.01	Laryngoscope holder • with chest support	1
74.01.04	Spare light carrier	1
74.40.07	**TORRINGTON** Suction tube • 7 French	1
74.47.10	Endolaryngeal sickle knife • 24 cm	1
74.47.13	Endolaryngeal knife • golf club design • 24 cm	1
74.47.14	Endolaryngeal round edge knife • 24 cm	1
74.47.25	Endolaryngeal hook • 24 cm	1
74.47.27	Endolaryngeal needle • curved right • 24 cm	1
74.47.28	Endolaryngeal needle • curved left • 24 cm	1
74.47.35	Endolaryngeal hook • 110° • 24 cm	1
74.47.37	Endolaryngeal suction raspatory • 24 cm	1
74.47.42	Endolaryngeal knot guide • 24 cm	1
74.47.90	Handle	1
88.00.20	Bipolar connecting cable • Ø 12,5 mm • 3 m	1
88.00.40	Bracket • for high frequency cables	1
88.90.40	**BINNER** Larynx coagulation electrode • curved • 35 cm	1

Laryngoskopiesieb für Kinder
Paediatric Laryngoscopy Set
Juego laringoscopia para pediatrica
Boîte pour laringoscopie pour enfants
Set per laringoscopia pediatrica

Part 1

73.17.80	Laryngeal suction tube • curved up • Ø 2 mm • 25 cm	1
73.17.81	Laryngeal suction tube • curved up • Ø 3 mm • 25 cm	1
73.18.00	Laryngeal cup forceps • Ø 2 mm • straight • 18 cm	1
73.18.01	Laryngeal cup forceps • Ø 2 mm • curved up • 18 cm	1
73.18.06	Laryngeal grasping forceps • serrated • straight • 18 cm	1
73.18.07	Laryngeal scissors • straight • 18 cm	1
73.18.09	Laryngeal scissors • curved right • 18 cm	1
73.18.10	Laryngeal scissors • curved left • 18 cm	1
73.18.11	Laryngeal cup forceps • Ø 4 mm • horizontal opening • 18 cm	1





Part 2

74.00.01	Operating laryngoscope • 135 mm • figure 1	1
74.00.02	Operating laryngoscope • 152 mm • figure 2	1
74.01.02	Chest support • only	1
74.01.03	Spare light carrier	1
74.01.08	Laryngoscope holder • only	1
49.60.10	Medicontainer • 590 × 290 × 100 mm • silver	1
49.97.12	Wire basket • 480 × 255 × 50 mm	1
49.97.82	Silicone mat • 13 mm • 467 × 240 mm	1



74.00.01
74.00.02

74.01.03



74.01.02



74.01.08



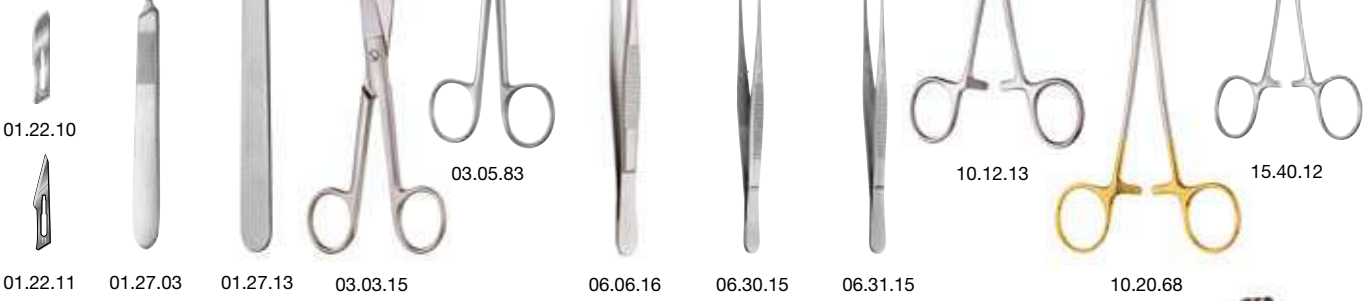
49.60.10



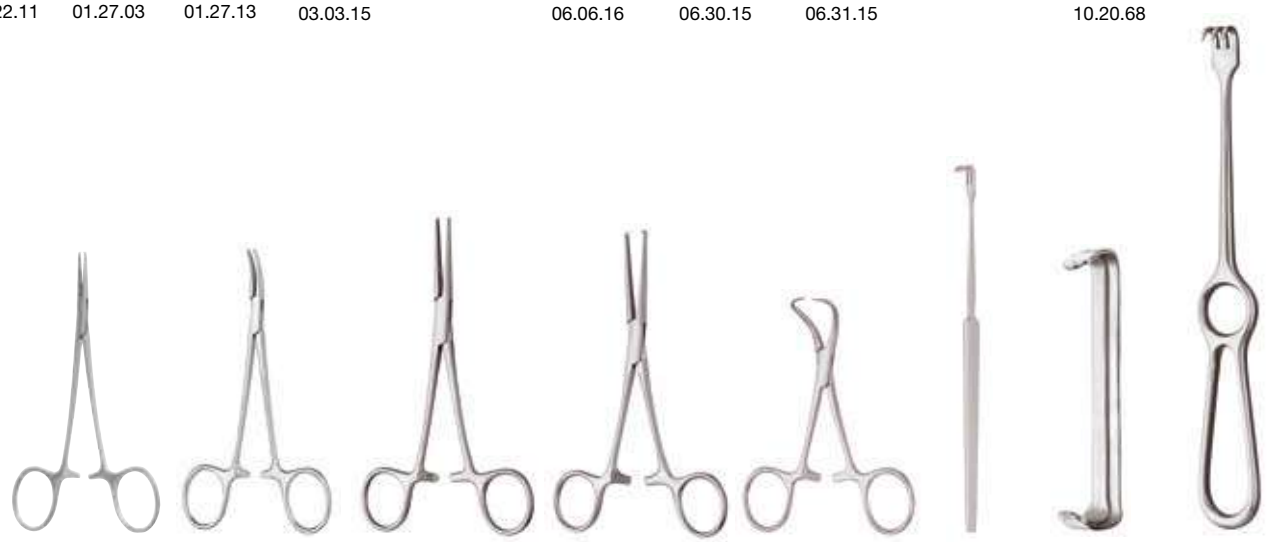
49.97.82



49.97.12



01.22.10 01.22.11 01.27.03 01.27.13 03.03.15 03.05.83 06.06.16 06.30.15 06.31.15 10.12.13 10.20.68 15.40.12



15.42.12 15.45.12 15.72.14 16.12.14 17.55.10 20.67.02 22.10.12 22.34.02 22.34.04



24.22.13 47.30.08 49.50.10 49.97.02 204.35.14

		Req. Qty
01.22.10	Scalpel blade • figure 10 • sterile • packing unit 100 pieces	1
01.22.11	Scalpel blade • figure 11 • sterile • packing unit 100 pieces	1
01.27.03	Scalpel handle • no. 3 • standard • 12,5 cm	1
01.27.13	Scalpel handle • no. 3L • long • 21 cm	1
03.03.15	Operating scissors • curved • 15 cm • blunt/blunt	1
03.05.83	Operating scissors • delicate • curved • 13 cm • sharp/sharp	1
06.06.16	Tissue forceps • 16 cm • 1 × 2 teeth • medium	1
06.30.15	**SEMKEN** Dressing forceps • straight • 15 cm • serrated	2
06.31.15	**SEMKEN** Tissue forceps • straight • 15 cm • 1 × 2 teeth	2
10.12.13	**HALSEY** Needle holder • 13,5 cm • serrated	1
10.20.68	**CRILE-WOOD HM (DEBAKEY HM)** Needle holder • 18 cm	1
15.40.12	**MICRO-HALSTED** Hemostatic forceps • 12,5 cm • straight	2
15.42.12	**MICRO-HALSTED** Hemostatic forceps • 1 × 2 teeth • 12,5 cm • straight	2
15.45.12	**HALSTED-MOSQUITO** Hemostatic forceps • 12,5 cm • curved	2
15.72.14	**CRILE** Hemostatic forceps • 14 cm • straight	2
16.12.14	**KOCHER** Hemostatic forceps • 14 cm • straight • 1 × 2 teeth	2
17.55.10	**BACKHAUS** Towel clamp • 10,5 cm	4
20.67.02	Tracheal retractor • 2 teeth • blunt • 5 mm • 16 cm	2
22.10.12	**FARABEUF-BABY** Retractor • 12 cm • set/2	2
22.34.02	**VOLKMANN** Retractor • 2 teeth • sharp • 9 mm • 22 cm	1
22.34.04	**VOLKMANN** Retractor • 4 teeth • sharp • 18 mm • 22 cm	2
24.22.13	**WEITLANER** Retractor • 3 × 4 teeth • sharp • 13 cm	1
47.30.08	Round bowl • 80 × 35 mm • 100 cc	1
49.50.10	Medicontainer • 290 × 290 × 100 mm • silver	1
49.97.02	Wire basket • 240 × 255 × 50 mm	1
204.35.14	**METZENBAUM-SLIM SC** Scissors • curved • 14 cm	1

Rhinoplastiksieb
Rhinoplasty Set
Juego para rinoplastia
Boîte pour rhinoplastie
Set per rinoplastica



01.22.10 01.22.15 01.27.07 01.30.32 01.30.64 02.05.10 02.21.85 04.51.15 06.25.12 09.21.74 09.83.08 09.83.10



09.84.58 10.08.12 10.39.17 26.42.25 33.04.18 49.60.17



49.97.22 62.15.72 66.08.07 66.08.09 66.25.45 66.25.65 66.28.03 66.28.05

	Part 1	Req. Qty
01.22.10	Scalpel blade • figure 10 • sterile • packing unit 100 pieces	1
01.22.15	Scalpel blade • figure 15 • sterile • packing unit 100 pieces	1
01.27.07	Scalpel handle • no. 7 • long • 16,5 cm	1
01.30.32	Mini Scalpel handle • round • 13 cm	1
01.30.64	Mini Scalpel blade • figure 64 • sterile • packing unit 12 pieces	1
02.05.10	Scissor • curved • 10,5 cm • sharp	1
02.21.85	**GRAEFE** Iris scissors • angled • 10 cm	1
04.51.15	**JOSEPH** Scissors • curved • 15 cm	1
06.25.12	**ADSON-BROWN** Tissue forceps • straight • 12 cm • 7 × 7 teeth	1
09.21.74	Cotton carrier • Ø 1,2 mm • 14 cm • triangular serrated	3
09.83.08	**FRAZIER** Suction cannula • 8 French • angled • 12,5 cm	1
09.83.10	**FRAZIER** Suction cannula • 10 French • angled • 12,5 cm	1
09.84.58	**YASARGIL** Suction cannula • Ø 4,5 mm • 18 cm	1
10.08.12	**NEIVERT** Needle holder • 12,5 cm • smooth	1
10.39.17	**SENNING** Needle holder • 17 cm	1
26.42.25	**McKENTY** Raspatory • 5 mm • 15 cm	1
33.04.18	**COTTLE-KAZANJIAN** Bone cutting forceps • straight • 18 cm	1
49.60.17	Medicontainer • 590 × 290 × 170 mm • silver	1
49.97.22	Wire basket • 510 × 255 × 70 mm	2
62.15.72	**HARTMANN** Ear hook • sharp • 16 cm • figure 2	1
66.08.07	**KILLIAN** Nasal speculum • 14 cm • figure 3 - 75 mm	1
66.08.09	**KILLIAN** Nasal speculum • 14 cm • figure 4 - 90 mm	1
66.25.45	**BLAKESLEY** Nasal septum forceps • 12 cm	1
66.25.65	**JANSEN-MIDDLETON** Nasal septum rongeur • 19 cm	1
66.28.03	**WEIL-BLAKESLEY** Nasal forceps • straight • figure 3 - 4,2 mm	1
66.28.05	**WEIL-BLAKESLEY** Nasal forceps • straight • figure 5 - 5,6 mm	1

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Rhinoplastiksieb
Rhinoplasty Set
Juego para rinoplastia
Boîte pour rhinoplastie
Set per rinoplastica



67.03.50 67.10.20 67.15.48 67.15.93 67.16.22 67.16.65 67.19.70 67.20.21 67.20.22 67.20.50 67.20.51 67.21.15 67.21.35



67.30.04 67.30.07 67.30.09 67.30.37 67.32.06 67.38.10 67.38.11 67.38.12 67.40.20 67.49.10 67.53.83 67.58.50 67.58.60 67.59.70 67.59.71



67.60.11 67.60.12 67.65.15 67.92.06 267.53.14

	Part 2	Req. Qty
67.03.50	**COTTLE** Nasal septum speculum • 14 cm	1
67.10.20	**COTTLE** Septum knife • straight • 14 cm	1
67.15.48	**JOSEPH-MASING** Nasal septum speculum • 22 cm	1
67.15.93	Suction raspatory • with guide • Ø 4 mm • 20 cm	1
67.16.22	**MASING** Elevator • double-ended • 5 mm • 22 cm	1
67.16.65	**COTTLE** Elevator • double-ended • 4 mm • 22 cm	1
67.19.70	**COTTLE** Cartilage crusher	1
67.20.21	**COTTLE** Alar retractor • 2 teeth • ball tip/sharp • 10 mm • 14 cm	1
67.20.22	**COTTLE** Alar retractor • 2 teeth • sharp/ball tip • 10 mm • 14 cm	1
67.20.50	**MASING** Retractor • with guide • 17 mm • 20 cm	1
67.20.51	**NEIVERT** Retractor • with guide • 11 mm • 19 cm	1
67.21.15	**COTTLE** Alar retractor • 12 mm • 14 cm	1
67.21.35	**AUFRICHT** Nasal retractor • 45 × 9/7 mm • 18 cm	1
67.30.04	**COTTLE** Osteotome • graduated • 4 mm • 18 cm	1
67.30.07	**COTTLE** Osteotome • graduated • 7 mm • 18 cm	1
67.30.09	**COTTLE** Osteotome • graduated • 9 mm • 18 cm	1
67.30.37	**COTTLE** Cross bar chisel • 7 mm • 18 cm	1
67.32.06	**COTTLE** Chisel • curved • 6 mm • 18 cm	1
67.38.10	**SILVER** Nasal osteotome • straight • 18 cm	1
67.38.11	**SILVER** Nasal osteotome • curved right • 18 cm	1
67.38.12	**SILVER** Nasal osteotome • curved left • 18 cm	1
67.40.20	**COTTLE** Mallet • Ø 30 mm • 300 g • 19 cm	1
67.49.10	**COTTLE-MASING** Nasal scissors • curved • blunt • 10 cm	1
67.53.83	**HOUGH** Scissors • angled • 13 cm	1
67.58.50	**COTTLE** Nasal forceps • 15 cm	1
67.58.60	**COTTLE** Columella forceps • 11 cm	1
67.59.70	**MASING** Nasal file • 21 cm • fine	1
67.59.71	**MASING** Nasal rasp • 21 cm • coarse	1
67.60.11	**JOSEPH** Nasal saw • left • 17 cm	1
67.60.12	**JOSEPH** Nasal saw • right • 17 cm	1
67.65.15	**COTTLE-FOMON** Nasal septum forceps • 21 cm	1
67.92.06	**COTTLE-MASING** Needle holder • 6 cm	1
267.53.14	**WALTER SC** Nasal scissors angled • 14 cm	1



02.05.10 02.21.85 03.07.14 204.51.15 06.25.12 06.30.10 06.31.10 07.00.10 07.30.16 09.21.74 09.83.28



10.12.63 10.39.17 17.55.10 26.42.24 47.30.08 49.60.13



49.97.21 60.20.21 66.03.53 66.08.05 66.08.07 66.08.09 66.15.20 66.15.40 66.20.28 66.27.53

	Part 1	Req. Qty
02.05.10	Scissors • curved • 10,5 cm • sharp	1
02.21.85	**GRAEFE** Iris scissors • angled • 10 cm	1
03.07.14	Operating scissors • curved • 14,5 cm • sharp/blunt	1
06.25.12	**ADSON-BROWN** Tissue forceps • straight • 12 cm • 7 × 7 teeth	1
06.30.10	Iris forceps • straight • 10 cm • serrated	1
06.31.10	Iris forceps • straight • 10 cm • 1 × 2 teeth	1
07.00.10	**GRAEFE** Fixation forceps • straight • 11 cm	1
07.30.16	**GRUENWALD** Bayonet forceps • 16 cm • serrated	1
09.21.74	Cotton carrier • Ø 1,2 mm • 14 cm • triangular serrated	2
09.83.28	**FRAZIER (FERGUSSON)** Suction cannula • 8 French • angled • 12,5 cm	1
10.12.63	**HALSEY HM** Needle holder • 13,5 cm • serrated	1
10.39.17	**SENNING** Needle holder • 17 cm	1
17.55.10	**BACKHAUS** Towel clamp • 10,5 cm	6
26.42.24	**McKENTY** Raspatory • 4 mm • 15 cm	1
47.30.08	Round bowl • 80 × 35 mm • 100 cc	2
49.60.13	Medicontainer • 590 × 290 × 135 mm • silver	1
49.97.21	Wire basket • 510 × 255 × 50 mm	2
60.20.21	**WALTER** Cataract needle • curved • 12 cm	1
66.03.53	**HARTMANN-HALLE** Nasal speculum • 15 cm • figure 3	1
66.08.05	**KILLIAN** Nasal speculum • 14 cm • figure 2 - 50 mm	1
66.08.07	**KILLIAN** Nasal speculum • 14 cm • figure 3 - 75 mm	1
66.08.09	**KILLIAN** Nasal speculum • 14 cm • figure 4 - 90 mm	1
66.15.20	**KRAUSE** Nasal polypus snare • 26 cm	1
66.15.40	Snare wires • Ø 0,3 mm • packing unit 100 pieces	1
66.20.28	**LUBET-BARBON** Nasal dressing forceps • 20 cm	1
66.27.53	**TAKAHASHI** Nasal forceps • 3 × 10 mm • 12 cm	1
204.51.15	**JOSEPH SC** Scissors • curved • 15 cm	1

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66.28.03
66.28.05
66.28.13

66.40.20

66.52.20

67.03.50

67.10.20

67.15.80

67.15.93

67.16.22



67.16.65

67.21.15

67.30.04
67.30.07

67.40.20



67.49.10

67.58.50

67.58.60

72.00.50



88.00.40



88.00.20



88.17.25

204.51.15

267.53.14

	Part 2	Req. Qty
66.28.03	**WEIL-BLAKESLEY** Nasal forceps • straight • figure 3 - 4,2 mm	1
66.28.05	**WEIL-BLAKESLEY** Nasal forceps • straight • figure 5 - 5,6 mm	1
66.28.13	**WEIL-BLAKESLEY** Nasal forceps • 45° • figure 3 - 4,2 mm	1
66.40.20	**HEYMANN** Nasal scissors • 17 cm	1
66.52.20	Cartilage knife • curved • 13 cm	1
67.03.50	**COTTLE** Nasal septum speculum • 14 cm	1
67.10.20	**COTTLE** Septum knife • straight • 14 cm	1
67.15.80	Nasal fracture elevator • 17 cm	1
67.15.93	Suction raspatory • with giude • Ø 4 mm • 20 cm	1
67.16.22	**MASING** Elevator • double-ended • 5 mm • 22 cm	1
67.16.65	**COTTLE** Elevator • double-ended • 4 mm • 22 cm	1
67.21.15	**COTTLE** Alar retractor • 12 mm • 14 cm	1
67.30.04	**COTTLE** Osteotome • graduated • 4 mm • 18 cm	1
67.30.07	**COTTLE** Osteotome • graduated • 7 mm • 18 cm	1
67.40.20	**COTTLE** Mallet • Ø 30 mm • 300 g • 19 cm	1
67.49.10	**COTTLE-MASING** Nasal scissors • curved • blunt • 10 cm	1
67.58.50	**COTTLE** Nasal forceps • 15 cm	1
67.58.60	**COTTLE** Columella forceps • 11 cm	1
72.00.50	**BRUENINGS** Tongue depressor • 14/18 mm • 19 cm	1
88.00.20	Bipolar connecting cable • Ø 12,5 mm • 3 m	1
88.00.40	Bracket • for high frequency cables	1
88.17.25	Coagulation forceps • bipolar • 16,5 cm • angled • sharp	1
204.51.15	**JOSEPH SC** Scissors • curved • 15 cm	1
267.53.14	**WALTER SC** Nasal scissors • angled • 14 cm	1



09.83.28 09.83.62



49.50.17



49.97.02



62.17.60



66.08.03
66.08.05
66.08.07

66.20.25



66.23.10

66.28.01
66.28.02
66.28.03

66.28.12
66.28.13



49.97.06



66.27.13

66.31.24



66.32.51 66.40.20 66.40.22 66.40.24

	Part 1	Req. Qty
09.83.28	**FRAZIER** Suction cannula • 8 French • angled • 12,5 cm	1
09.83.62	**FRAZIER** Suction cannula • 12 French • angled • 18 cm	1
49.50.17	Medicontainer • 290 × 290 × 170 mm • silver	1
49.97.02	Wire basket • 240 × 255 × 50 mm	2
49.97.06	Endoscope wire basket • 290 × 80 × 52 mm • for 2 endoscopes	1
62.17.60	**POLITZER** Sickle knife • 16 cm	1
66.08.03	**KILLIAN** Nasal speculum • 14 cm • figure 1 - 35 mm	1
66.08.05	**KILLIAN** Nasal speculum • 14 cm • figure 2 - 50 mm	1
66.08.07	**KILLIAN** Nasal speculum • 14 cm • figure 3 - 75 mm	1
66.20.25	**WESTMACOTT** Nasal dressing forceps • standard pattern • 20 cm	1
66.23.10	Biopsy forceps • cup jaws • 15 cm	1
66.27.13	**LUC** Nasal septum forceps • figure 3	1
66.28.01	**WEIL-BLAKESLEY** Nasal forceps • straight • figure. 1 - 3,0 mm	1
66.28.02	**WEIL-BLAKESLEY** Nasal forceps • straight • figure 2 - 3,6 mm	1
66.28.03	**WEIL-BLAKESLEY** Nasal forceps • straight • figure 3 - 4,2 mm	1
66.28.12	**WEIL-BLAKESLEY** Nasal forceps • 45° • figure 2 - 3,6 mm	1
66.28.13	**WEIL-BLAKESLEY** Nasal forceps • 45° • figure 3 - 4,2 mm	1
66.31.22	**HAJEK-GRUENWALD** Nasal forceps • figure 2	1
66.32.51	Nasal punch • 2,5 mm • backwards cutting • 10 cm	1
66.40.20	**HEYMANN** Nasal scissors • 17 cm	1
66.40.22	**HEYMANN** Nasal scissors • 20 cm	1
66.40.24	Nasal scissors • 13,5 cm • straight	1

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66.60.21



66.60.22



66.60.50



66.70.40
66.70.47



66.70.63



67.16.23



87.30.35



87.33.70



88.67.06



88.00.40



88.00.20

	Part 2	Req. Qty
66.60.21	**KILLIAN** Antrum cannula • 3,0 mm • 15 cm	1
66.60.22	**KILLIAN** Antrum cannula • 3,5 mm • 15 cm	1
66.60.50	Suction and irrigation tube • Ø 2 mm • 11 cm	1
66.70.40	Sinuscope • Ø 4 mm • 175 mm • 0°	1
66.70.47	Sinuscope • Ø 4 mm • 175 mm • 70°	1
66.70.63	Trocar • breaked point • Ø 2,7 mm	1
67.16.23	**COTTLE** Elevator • double-ended • 4/3 mm • 23 cm	1
87.30.35	Needle electrode • 0,5 × 25 mm	1
87.33.70	Electrode handle • 4,5 m	1
88.00.20	Bipolar cable • Ø 12,5 mm • 3m	1
88.00.40	Bracket • for high frequency cables	1
88.67.06	Coagulation forceps • bipolar • bayonet • 16,5 cm • blunt	1

Kleines Kieferhöhlensieb
Small Set for Maxillary Sinus
Juego pequeño para el seno maxilar
Boîte petite pour le sinus maxillaire
Set piccolo per sinus maxillar


01.22.10


01.27.07


03.03.13


06.00.14


06.05.14


07.35.13


17.21.56


17.55.10


26.29.07


27.02.10


27.57.04
27.57.06


29.13.01


29.13.02


29.13.03


47.32.14


49.50.15


49.97.02


66.08.03
66.08.05
66.08.07
66.08.09


66.15.20
66.15.30


66.31.21
66.31.22


66.28.02
66.28.03




66.60.10


66.60.22


66.60.82
66.60.83
66.60.84


67.02.55


72.00.15


204.33.14

		Req. Qty
01.22.10	Scalpel blade • figure 10 • sterile • packing unit 100 pieces	1
01.27.07	Scalpel handle • no. 7 • long • 16,5 cm	1
03.03.13	Operating scissors • curved • 13 cm • blunt/blunt	1
06.00.14	Dressing forceps • 14,5 cm • standard	1
06.05.14	Tissue forceps • 14,5 cm • 1 × 2 teeth • standard	1
07.35.13	**TROELTSCH (WILDE)** Ear forceps • 13 cm	1
17.21.56	**SCHNIDT (SAWTELL)** Forceps • 19 cm • fully curved	1
17.55.10	**BACKHAUS** Towel clamp • 10,5 cm	2
26.29.07	**LANGENBECK** Elevator • 7 mm • 20 cm	1
27.02.10	Metall mallet • solid head • 100 g • 16,5 cm	1
27.57.04	**MINI-LAMBOTTE** Osteotome • 4 mm • 13 cm	1
27.57.06	**MINI-LAMBOTTE** Osteotome • 6 mm • 13 cm	1
29.13.01	Sharp curette • straight • 15 cm	1
29.13.02	Sharp curette • curved right • 15 cm	1
29.13.03	Sharp curette • curved left • 15 cm	1
47.32.14	Round bowl • 140 × 35 mm • 350 cc	1
49.50.15	Medicontainer • 290 × 290 × 150 mm • silver	1
49.97.02	Wire basket • 240 × 255 × 50 mm	1
66.08.03	**KILLIAN** Nasal speculum • 14 cm • figure 1 - 35 mm	1
66.08.05	**KILLIAN** Nasal speculum • 14 cm • figure 2 - 50 mm	1
66.08.07	**KILLIAN** Nasal speculum • 14 cm • figure 3 - 75 mm	1
66.08.09	**KILLIAN** Nasal speculum • 14 cm • figure 4 - 90 mm	1
66.15.20	**KRAUSE** Nasal polypus snare • 26 cm	1
66.15.30	**KRAUSE-VOSS** Nasal polypus snare • 26 cm	1
66.28.02	**WEIL-BLAKESLEY** Nasal forceps • straight • figure 2 - 3,6 mm	1
66.28.03	**WEIL-BLAKESLEY** Nasal forceps • straight • figure 3 - 4,2 mm	1
66.31.21	**HAJEK-GRUENWALD** Nasal forceps • figure 1	1
66.31.22	**HAJEK-GRUENWALD** Nasal forceps • figure 2	1
66.60.10	**EICKEN** Wash cannula • Ø 3 mm • Record • 15 cm	1
66.60.22	**KILLIAN** Antrum cannula • 3,5 mm • 15 cm	1
66.60.82	**RITTER-HALLE** Sinus dilator • Ø 2,5 mm	1
66.60.83	**RITTER-HALLE** Sinus dilator • Ø 3,0 mm	1
66.60.84	**RITTER-HALLE** Sinus dilator • Ø 4,0 mm	1
67.02.55	**COTTLE** Nasal speculum • 14 cm • figure 2 - 55 mm	1
72.00.15	Tongue depressor • 20/23 mm • 14 cm	1
204.33.14	**METZENBAUM SC** Scissors • curved • 14 cm	1

Sieb zur sinuskopischen Nasennebenhöhlen-Chirurgie
Set for Sinuscopical Paranasal Sinuses Surgery
Juego para cirugía sinuscopica del seno paranasal
Boîte sinuscopie du sinus nasal
Set chirurgia sinoscopia per il seno paranasale


01.22.11


01.27.07


07.30.14


07.36.13


09.82.36
09.82.38
09.82.40

09.83.30


23.25.03

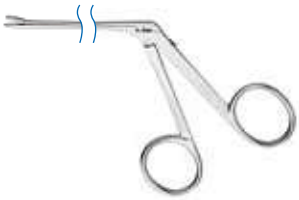

23.33.02


26.35.02


27.10.32


27.82.12


62.17.60

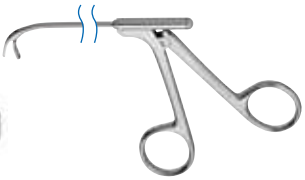

62.32.60


66.01.10


66.03.01
66.03.03


66.10.20


66.10.21


66.25.57

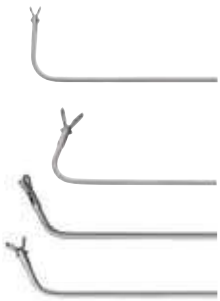

66.28.11
66.28.12
66.28.13


66.28.08


66.28.01
66.28.02
66.28.03


66.28.17




66.29.16
66.29.20
66.29.52
66.29.53



	Part 1	Req. Qty
01.22.11	Scalpel blade • figure 11 • sterile • packing unit 100 pieces	1
01.27.07	Scalpel handle • no. 7 • long • 16,5 cm	1
07.30.14	**LUCAE** Forceps • bayonet curved • serrated • 14 cm	1
07.36.13	**TROELTSCH (WILDE)** Forceps • angled • 1 × 2 teeth • 13 cm	1
09.82.36	**FRAZIER** Suction tube • graduated 5 - 9 cm • 6 French • 10 cm	1
09.82.38	**FRAZIER** Suction tube • graduated 5 - 9 cm • 8 French • 10 cm	1
09.82.40	**FRAZIER** Suction tube • graduated 5 - 9 cm • 10 French • 10 cm	1
09.83.30	**FRAZIER (FERGUSSON)** Suction tube • 10 French • 12,5 cm	1
23.25.03	**LANGENBECK-KOCHER** Retractor • 10 × 30 mm • 21 cm	1
23.33.02	**MIDDELDORPF** Retractor • 22 × 20 mm • 20,5 cm	1
26.35.02	**FREER** Elevator • double-ended • sharp/blunt • 5 mm • 19 cm	1
27.10.32	Mallet • 240 g • Ø 45 mm • 26 cm	1
27.82.12	**WEST** Osteotome • straight • 4 mm • 16 cm	1
62.17.60	**POLITZER** Sickle knife • 16 cm	1
62.32.60	**STRUEMPEL** Ear forceps • 2,5 × 5 mm • 8 cm	1
66.01.10	**TIECK-HALLE** Nasal speculum • 13,5 cm • for babies	1
66.03.01	**HARTMANN-HALLE** Nasal speculum • 15 cm • figure 1	1
66.03.03	**HARTMANN-HALLE** Nasal speculum • 15 cm • figure 3	1
66.10.20	Holding arm variable • with universal clamp base	1
66.10.21	Universal holder • for instruments and optics	1
66.25.57	Antrum grasping forceps • shaft curved • 13 cm	1
66.28.01	**WEIL-BLAKESLEY** Nasal forceps • straight • figure 1 - 3,0 mm	1
66.28.02	**WEIL-BLAKESLEY** Nasal forceps • straight • figure 2 - 3,6 mm	1
66.28.03	**WEIL-BLAKESLEY** Nasal forceps • straight • figure 3 - 4,2 mm	1
66.28.08	**WEIL-BLAKESLEY** Nasal forceps • through-cutting • straight • 3,0 mm • 11,5 cm	1
66.28.11	**WEIL-BLAKESLEY** Nasal forceps • 45° • figure 1 - 3,0 mm	1
66.28.12	**WEIL-BLAKESLEY** Nasal forceps • 45° • figure 2 - 3,6 mm	1
66.28.13	**WEIL-BLAKESLEY** Nasal forceps • 45° • figure 3 - 4,2 mm	1
66.28.17	**WEIL-BLAKESLEY** Nasal forceps • through-cutting • 45° • 3,0 mm • 11,5 cm	1
66.29.16	Cupped forceps • Ø 2,7 mm • 90° • curved up • vertical opening • 2 mm • 13 cm	1
66.29.20	Cupped forceps • Ø 2,7 mm • 110° • curved up • vertical opening • 4 mm • 13 cm	1
66.29.52	Cupped forceps • Ø 2,7 mm • 70° • curved up • horizontal opening • 3 mm • 13 cm	1
66.29.53	Cupped forceps • Ø 2,7 mm • 70° • curved up • vertical opening • 3 mm • 13 cm	1

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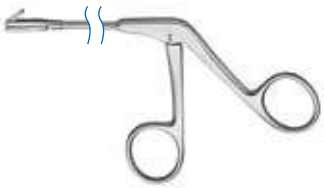
Sieb zur sinuskopischen Nasennebenhöhlen-Chirurgie
Set for Sinuscopical Paranasal Sinuses Surgery
Juego para cirugía sinuscopica del seno paranasal
Boîte sinuscopie du sinus nasal
Set chirurgia sinoscopia per il seno paranasale



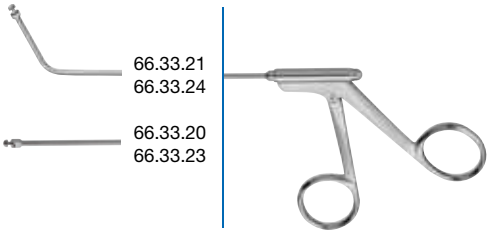
49.97.22



49.60.22



66.32.51



66.33.21
66.33.24
66.33.20
66.33.23



49.97.21



66.58.92
66.58.94



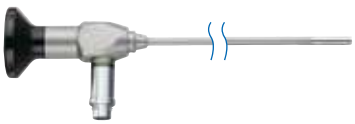
66.60.21
66.60.22



66.60.82



66.70.05
66.70.07



66.70.43
66.70.47



66.70.63
66.70.65



67.05.55
67.06.55



88.00.40



88.00.20



88.70.05



88.90.20



266.40.21

	Part 2	Req. Qty
49.60.22	Medicontainer • 590 × 290 × 220 mm • silver	1
49.97.21	Wire basket • 510 × 255 × 50 mm	1
49.97.22	Wire basket • 510 × 255 × 70 mm	2
66.32.51	Antrum punch • upwards cutting backwards • 2,5 mm • 10 cm	1
66.33.20	Punch circular cutting • straight • Ø 3,5 mm • 16 cm	1
66.33.21	Punch circular cutting • angled upwards 60° • Ø 3,5 mm • 16 cm	1
66.33.23	Punch circular cutting • straight • Ø 4,5 mm • 16 cm	1
66.33.24	Punch circular cutting • angled upwards 60° • Ø 4,5 mm • 16 cm	1
66.58.92	Frontal sinus curette • 3,5 × 5 mm • 55° curved downwards • 19 cm	1
66.58.94	Frontal sinus curette • 3,5 × 5 mm • 90° curved downwards • 19 cm	1
66.60.21	**KILLIAN** Irrigating tube • Luer • 3,0 mm • 15 cm	1
66.60.22	**KILLIAN** Irrigating tube • Luer • 3,5 mm • 15 cm	1
66.60.82	**RITTER-HALLE** Frontal sinus dilator • S-curved • Ø 2,5 mm • 16 cm	1
66.70.05	Suction-/Irrigating system 0°/30° for optic Ø 4,0 mm • 175 mm	1
66.70.07	Suction-/Irrigating system 70° for optic Ø 4,0 mm • 175 mm	1
66.70.43	Sinuscope • Ø 4 mm • 175 mm • 30°	1
66.70.47	Sinuscope • Ø 4 mm • 175 mm • 70°	1
66.70.63	Sinuscopy trocar • beaked point • Ø 2,7 mm	1
66.70.65	Sinuscopy trocar • beaked point • Ø 4,0 mm	1
67.05.55	Nasal specula • for flexible tension arm • left 55 mm • right 35 mm with teeth	1
67.06.55	Nasal specula • for flexible tension arm • right 55 mm • left 35 mm with teeth	1
88.00.20	Bipolar connecting cable • Ø 12,5 mm • 3 m	1
88.00.40	Bracket • for high frequency cables	1
88.70.05	Coagulation forceps • bipolar • 19 cm • sharp	1
88.90.20	**BINNER** Nasal concha coagulation electrode • 18,5 cm	1
266.40.21	**HEYMANN SC** Nasal scissors • 18 cm	1

Sieb zur Mikroskop gestützten endoskopischen Nasennebenhöhlen-Chirurgie
Set for Microscopically Assisted Endoscopic Paranasal Sinuses Surgery
Juego para cirugía endoscopica del seno paranasal asistida microscopicamente
Boîte chirurgie microscopique – endoscopique pour sinus nasal
Set chirurgia endoscopica del seno paranasale assistita al microscopio



09.74.91 09.82.40 09.83.30 09.83.32 26.35.02 58.32.21



49.60.17 49.97.22 49.97.06

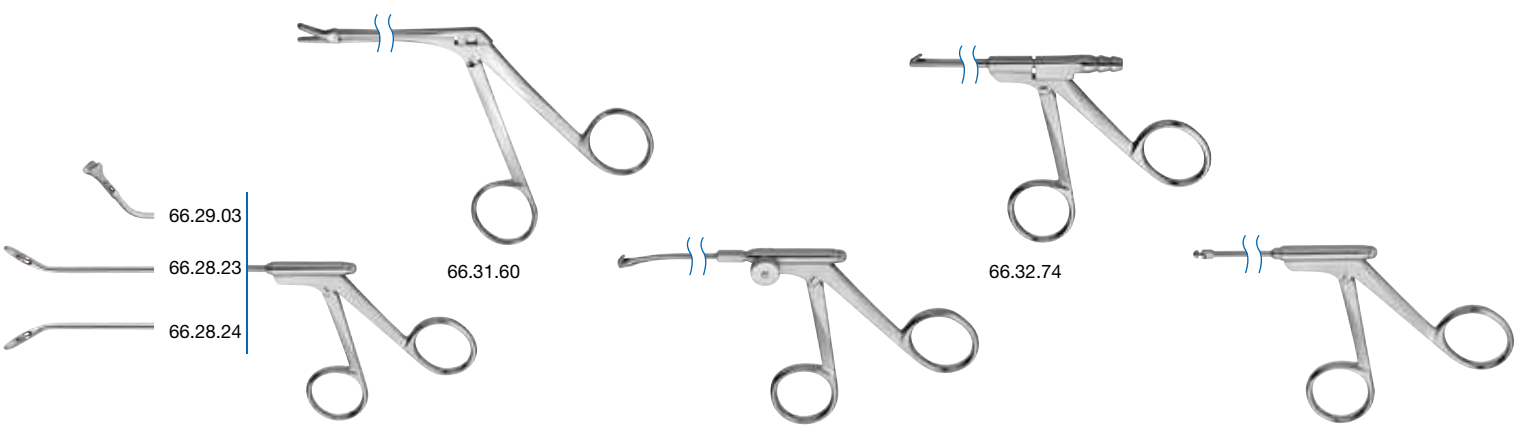


49.97.82



58.46.40 63.10.03 66.03.03 66.10.20 66.10.21

66.27.52
66.28.02
66.28.04
66.28.08
66.28.12
66.28.14
66.28.15
66.28.17



66.29.03
66.28.23
66.28.24

66.31.60 66.32.74 66.32.65 66.33.20

	Part 1	Req. Qty
09.74.91	Septum tube • angled • Ø 0,8 mm • Luer-Lock	1
09.82.40	**FRAZIER** Suction tube • graduated 5 - 9 cm • 10 French • 10 cm	1
09.83.30	**FRAZIER (FERGUSSON)** Suction tube • 10 French • 12,5 cm	1
09.83.32	**FRAZIER (FERGUSSON)** Suction tube • 12 French • 12,5 cm	1
26.35.02	**FREER** Elevator • double-ended • sharp/blunt • 5 mm • 19 cm	1
49.60.17	Medicontainer • 590 × 290 × 170 mm • silver	1
49.97.06	Endoscope wire basket • 290 × 80 × 52 mm • for 2 endoscopes	1
49.97.22	Wire basket • 510 × 255 × 70 mm	2
49.97.82	Silicone mat • 13 mm • 467 × 240 mm	1
58.32.21	Micro dissector • curved • 1 mm • 23 cm	1
58.46.40	Micro scissors • very delicate • straight • blunt • 14 cm	1
63.10.03	**GUILFORD-WRIGHT** Flap knife • 2 mm • 15 cm	1
66.03.03	**HARTMANN-HALLE** Nasal speculum • 15 cm • figure 3	1
66.10.20	Holding arm variable • with universal clamp base	1
66.10.21	Universal holder • for instruments and optics	1
66.27.52	**TAKAHASHI** Ethmoid bone forceps • 2 × 10 mm • 12 cm	1
66.28.02	**WEIL-BLAKESLEY** Nasal forceps • straight • figure 2 - 3,6 mm	1
66.28.04	**WEIL-BLAKESLEY** Nasal forceps • straight • figure 4 - 4,8 mm	1
66.28.08	**WEIL-BLAKESLEY** Nasal forceps • through-cutting • straight • 3,0 mm • 11,5 cm	1
66.28.12	**WEIL-BLAKESLEY** Nasal forceps • angled upwards 45° • figure 2 - 3,6 mm	1
66.28.14	**WEIL-BLAKESLEY** Nasal forceps • angled upwards 45° • figure 4 - 4,8 mm	1
66.28.15	**WEIL-BLAKESLEY** Nasal forceps • through-cutting • angled upwards 45° • 2,0 mm • 11,5 cm	1
66.28.17	**WEIL-BLAKESLEY** Nasal forceps • through-cutting • angled upwards 45° • 3,0 mm • 11,5 cm	1
66.28.23	**WEIL-BLAKESLEY** Nasal forceps • through-cutting • 30° • curved right • 2,5 mm • 11,5 cm	1
66.28.24	**WEIL-BLAKESLEY** Nasal forceps • through-cutting • 30° • curved left • 2,5 mm • 11,5 cm	1
66.29.03	Polyp grasping forceps • Ø 2,7 mm • angled upwards 45° • 13 cm	1
66.31.60	**GRUENWALD** Nasal forceps • through-cutting • 2,5 × 11,5 mm • 14 cm	1
66.32.65	**OSTRUM** Rongeur • shaft curved • backwards cutting • 360° rotatable • 1,5 mm • 10 cm	1
66.32.74	**OSTRUM** Rongeur • with suction • upwards cutting backwards • 2,5 mm • 10 cm	1
66.33.20	Punch circular cutting • Ø 3,5 mm • straight • 16 cm	1

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66.38.12



66.40.24
66.40.25
66.40.26



66.54.80 | 66.58.20 | 66.58.80 | 66.58.87 66.58.88 | 66.60.11 66.60.24



66.62.33 66.62.35





66.62.38



66.70.43
66.70.47



66.70.65



67.05.55
67.05.75
67.06.55
67.06.75



88.00.40



88.00.20



88.90.20



91.10.12



266.40.21



267.53.63

	Part 2	Req. Qty
66.38.12	Antrum rongeur • with hook jaw • through-cutting • 3 mm • 15 cm	1
66.40.24	Nasal scissors • lower cutting edge toothed • straight • 13,5 cm	1
66.40.25	Nasal scissors • lower cutting edge toothed • curved right • 13,5 cm	1
66.40.26	Nasal scissors • lower cutting edge toothed • curved left • 13,5 cm	1
66.54.80	Ostium instrument • double-ended • 1,2 mm + 2,0 mm • 19 cm	1
66.58.20	**FAULKNER** Antrum curette • double-ended • 21,5 cm	1
66.58.80	Antrum curette • angled downwards • 19 cm	1
66.58.87	Antrum curette • round • 5 mm • 20 cm	1
66.58.88	Antrum curette • oval • 3,0 × 6,0 mm • 20 cm	1
66.60.11	**EICKEN** Irrigating tube • Ø 3 mm • Luer • 15 cm	1
66.60.24	**KILLIAN** Irrigating tube • Luer • 3,5 mm • 15 cm	1
66.62.33	**WIENER** Antrum rasp • with trocar tip • Ø 3,5 mm • 18 cm	1
66.62.35	**WIENER** Antrum rasp • with blunt tip • Ø 3,5 mm • 18 cm	1
66.62.38	**WATSON-WILLIAMS** Frontal sinus rasp • blunt • 23 cm	1
66.70.43	Sinuscope • Ø 4 mm • 175 mm • 30°	1
66.70.47	Sinuscope • Ø 4 mm • 175 mm • 70°	1
66.70.65	Sinuscopy trocar • beaked point • Ø 4,0 mm	1
67.05.55	Nasal speculum • for flexible tension arm • left 55 mm • right 35 mm	1
67.05.75	Nasal speculum • for flexible tension arm • right 55 mm • left 35 mm	1
67.06.55	Nasal speculum • for flexible tension arm • left 75 mm • right 35 mm	1
67.06.75	Nasal speculum • for flexible tension arm • right 75 mm • left 35 mm	1
88.00.20	Bipolar connecting cable • Ø 12,5 mm • 3 m	1
88.00.40	Bracket • for high frequency cables	1
88.90.20	**BINNER** Nasal concha coagulation electrode • 18,5 cm	1
91.10.12	Antifog solution • bottle • sterile • 30 ml	1
266.40.21	**HEYMANN SC** Nasal scissors • 18 cm	1
267.53.63	**PLUS FOMON SC** Nasal scissors • 13 cm	1

Sieb zur funktionellen endoskopischen Nasennebenhöhlen-Chirurgie
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Boîte chirurgie fonctionelle endoscopique du sinus nasal
Set chirurgia funzionale del seno paranasale endoscopica



07.35.73 07.36.13 09.74.91 09.83.30 09.83.32 26.35.02 27.10.32 27.82.12 27.82.15 29.69.51 49.60.17



49.97.21 49.97.06 49.97.82 66.03.03 66.10.20 66.10.21



66.25.57

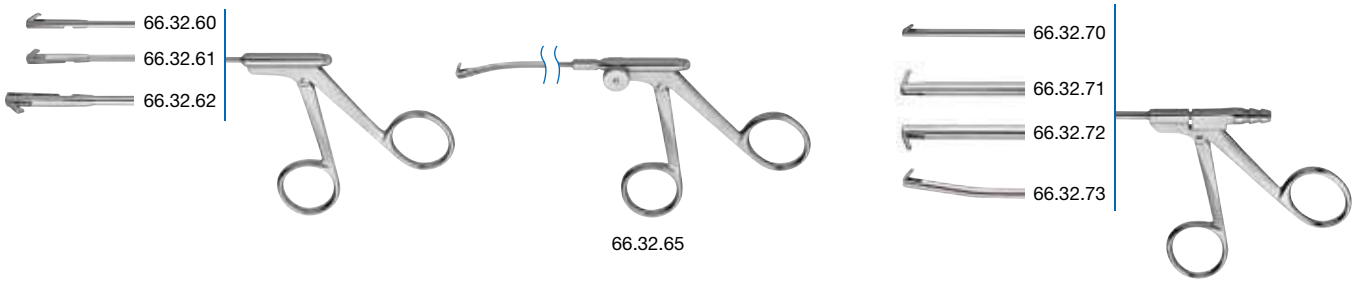
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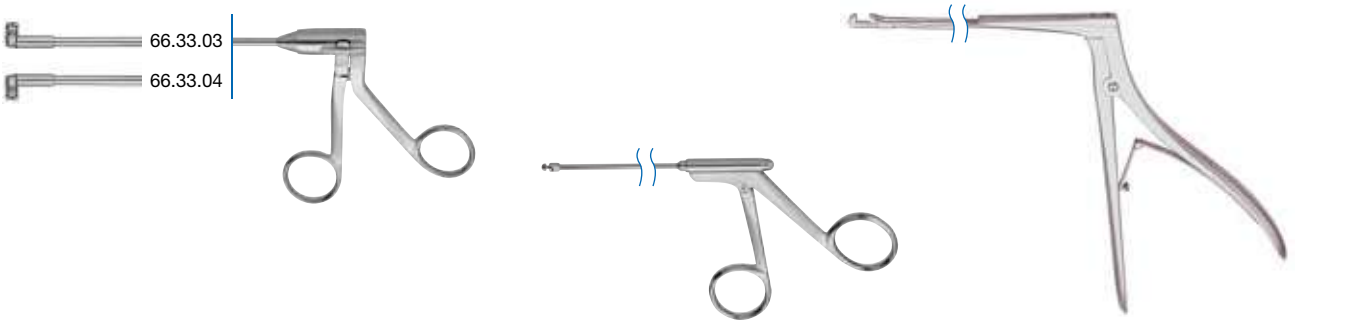
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66.29.16
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66.29.52
66.29.53

	Part 1	Req. Qty
07.35.73	**TROELTSCH** Forceps • angled • serrated • 13 cm	1
07.36.13	**TROELTSCH (WILDE)** Forceps • angled • 1 × 2 teeth • 13 cm	1
09.74.91	Septum tube • angular • Ø 0,8 mm • Luer-Lock	1
09.83.30	**FRAZIER (FERGUSSON)** Suction tube • 10 French • 12,5 cm	1
09.83.32	**FRAZIER (FERGUSSON)** Suction tube • 12 French • 12,5 cm	1
26.35.02	**FREER** Elevator • double-ended • sharp/blunt • 5 mm • 19 cm	1
27.10.32	Mallet • 240 g • Ø 45 mm • 26 cm	1
27.82.12	**WEST** Osteotome • straight • 4 mm • 16 cm	1
27.82.15	**WEST** Chisel • curved • 4 mm • 16 cm	1
29.69.51	**HALLE** Sharp curette • malleable • oval • 21 cm • figure 1 - 4 mm	1
49.60.17	Medicontainer • 590 × 290 × 170 mm • silver	1
49.97.06	Endoscope wire basket • 290 × 80 × 52 mm • for 2 endoscopes	1
49.97.21	Wire basket • 510 × 255 × 70 mm	3
49.97.82	Silicone mat • 13 mm • 467 × 240 mm	1
66.03.03	**HARTMANN-HALLE** Nasal speculum • 15 cm • figure 3	1
66.10.20	Holding arm variable • with universal clamp base	1
66.10.21	Universal holder • for instruments and optics	1
66.25.57	Antrum grasping forceps • shaft curved • 13 cm	1
66.27.56	**TAKAHASHI** Nasal forceps • Ø 4,0 mm • straight • 2,5 mm • 10 cm	1
66.27.57	**TAKAHASHI** Nasal forceps • Ø 4,0 mm • straight • 3,5 mm • 10 cm	1
66.27.58	**TAKAHASHI** Nasal forceps • Ø 4,0 mm • angled upwards 45° • 2,5 mm • 10 cm	1
66.27.59	**TAKAHASHI** Nasal forceps • Ø 4,0 mm • angled upwards 45° • 3,5 mm • 10 cm	1
66.28.01	**WEIL-BLAKESLEY** Nasal forceps • straight • figure 1 - 3,0 mm	1
66.28.03	**WEIL-BLAKESLEY** Nasal forceps • straight • figure 3 - 4,2 mm	1
66.28.08	**WEIL-BLAKESLEY** Nasal forceps • through-cutting • straight • 3,0 mm • 11,5 cm	1
66.28.11	**WEIL-BLAKESLEY** Nasal forceps • angled upwards 45° • figure 1 - 3,0 mm	1
66.28.13	**WEIL-BLAKESLEY** Nasal forceps • angled upwards 45° • figure 3 - 4,2 mm	1
66.28.15	**WEIL-BLAKESLEY** Nasal forceps • through-cutting • 45° • 2,0 mm • 11,5 cm	1
66.28.17	**WEIL-BLAKESLEY** Nasal forceps • through-cutting • 45° • 3,0 mm • 11,5 cm	1
66.28.23	**WEIL-BLAKESLEY** Nasal forceps • through-cutting • 30° • curved right • 2,5 mm • 11,5 cm	1
66.28.24	**WEIL-BLAKESLEY** Nasal forceps • through-cutting • 30° • curved left • 2,5 mm • 11,5 cm	1
66.28.31	**WEIL-BLAKESLEY** Nasal forceps • angled upwards 90° • figure 1 - 3,0 mm	1
66.28.33	**WEIL-BLAKESLEY** Nasal forceps • angled upwards 90° • figure 3 - 4,2 mm	1
66.29.16	Cupped forceps • Ø 2,7 mm • 90° curved up • vertical opening • 2 mm • 13 cm	1
66.29.17	Cupped forceps • Ø 2,7 mm • 90° curved up • horizontal opening • 2 mm • 13 cm	1
66.29.52	Cupped forceps • Ø 2,7 mm • 70° curved up • horizontal opening • 3 mm • 13 cm	1
66.29.53	Cupped forceps • Ø 2,7 mm • 70° curved up • vertical opening • 3 mm • 13 cm	1

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66.32.70
66.32.71
66.32.72
66.32.73


66.33.03
66.33.04
66.33.20
66.38.10


66.38.11
66.38.12
66.40.24
66.40.25
66.40.26
66.52.80
66.52.81
66.54.80
66.58.20
66.58.80
66.58.87
66.58.88

	Part 2	Req. Qty
66.32.60	**OSTRUM** Rongeur • straight • upwards cutting backwards • 2,5 mm • 10 cm	1
66.32.61	**OSTRUM** Rongeur • straight • right cutting backwards • 2,5 mm • 10 cm	1
66.32.62	**OSTRUM** Rongeur • straight • left cutting backwards • 2,5 mm • 10 cm	1
66.32.65	**OSTRUM** Rongeur • shaft curved • backwards cutting • 360° rotatable • 1,5 mm • 10 cm	1
66.32.70	**OSTRUM** Rongeur • with suction • upwards cutting backwards • 2,0 mm • 10 cm	1
66.32.71	**OSTRUM** Rongeur • with suction • right cutting backwards • 2,0 mm • 10 cm	1
66.32.72	**OSTRUM** Rongeur • with suction • left cutting backwards • 2,0 mm • 10 cm	1
66.32.73	**OSTRUM** Rongeur • shaft curved • upwards cutting backwards • Ø 4,0 mm, 2,0 mm, 10 cm	1
66.33.03	Antrum punch • large jaw • through-cutting right, 3,5 mm, 10 cm	1
66.33.04	Antrum punch • large jaw • through-cutting left • 3,5 mm • 10 cm	1
66.33.20	Punch • circular cutting • Ø 3,5 mm • straight • 16 cm	1
66.38.10	**HAJEK-KOFLER** Rongeur • 3 × 5 mm • 360° rotatable • 16 cm	1
66.38.11	Antrum rongeur • with hook jaw • through-cutting • 2 mm • 18 cm	1
66.38.12	Antrum rongeur • with hook jaw • through-cutting • 3 mm • 15 cm	1
66.40.24	Nasal scissors • lower cutting edge toothed • straight • 13,5 cm	1
66.40.25	Nasal scissors • lower cutting edge toothed • curved right • 13,5 cm	1
66.40.26	Nasal scissors • lower cutting edge toothed • curved left • 13,5 cm	1
66.52.80	Sickle knife • pointed 19 cm	1
66.52.81	Sickle knife • blunt 19 cm	1
66.54.80	Ostium instrument • double-ended • 1,2 mm + 2,0 mm • 19 cm	1
66.58.20	**FAULKNER** Antrum curette • double-ended • 21,5 cm	1
66.58.80	Antrum curette • angled downwards • 19 cm	1
66.58.87	Antrum curette • round • 5 mm • 20 cm	1
66.58.88	Antrum curette • oval • 3,0 × 6,0 mm • 20 cm	1

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Sieb zur funktionellen endoskopischen Nasennebenhöhlen-Chirurgie
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Juego para cirugía endoscopica functional del seno paranasal
Boîte chirurgie fonctionelle endoscopique du sinus nasal
Set chirurgia funzionale del seno paranasale endoscopica



66.60.11 66.60.24



66.70.27
66.70.40
66.70.43



66.70.65



67.16.23



68.82.32



88.00.20



88.00.40



88.20.26



91.10.12



266.40.21



267.53.63

	Part 3	Req. Qty
66.60.11	**EICKEN** Irrigation tube • Ø 3,0 mm • Luer • 15 cm	1
66.60.24	**KILLIAN** Irrigation tube • Luer • 3,5 mm • 15 cm	1
66.70.27	Sinuscope • Ø 2,7 mm • 175 mm • 70°	1
66.70.40	Sinuscope • Ø 4,0 mm • 175 mm • 0°	1
66.70.43	Sinuscope • Ø 4,0 mm • 175 mm • 30°	1
66.70.65	Sinuscope trocar • beaked point • Ø 4 mm	1
67.16.23	**COTTLE** Septum elevator • double-ended • 23 cm	1
68.82.32	**KLUBA** Orbital hook • medium • 19 cm	1
88.00.20	Bipolar connecting cable • Ø 12,5 mm • 3 m	1
88.00.40	Bracket • for high frequency cables	1
88.20.26	Coagulation forceps • bipolar • 20 cm • angular • blunt	1
91.10.12	Antifog solution • bottle • sterile • 30 ml	1
266.40.21	**HEYMANN SC** Nasal scissors • 18 cm	1
267.53.63	**FOMON SC PLUS** Nasal scissors • 13 cm	1


01.22.10


01.22.11


01.22.15


01.27.03


02.07.32


03.07.11


06.05.11


06.30.15

09.04.25


09.84.05
09.84.06
09.84.09


10.12.63


14.20.09


15.44.12


15.45.12


16.10.14


17.55.08


22.26.04


24.26.01


24.26.02


24.26.03


26.42.58


26.44.23


46.31.58


46.35.24


46.55.30

	Part 1	Req. Qty
01.22.10	Scalpel blade • figure 10 • sterile • packing unit 100 pieces	1
01.22.11	Scalpel blade • figure 11 • sterile • packing unit 100 pieces	1
01.22.15	Scalpel blade • figure 15 • sterile • packing unit 100 pieces	1
01.27.03	Scalpel handle • no. 3 • standard • 12,5 cm	2
02.07.32	**WAGNER** Scissors • delicate • curved • 12 cm • sharp/blunt	1
03.07.11	Operating scissors • curved • 11,5 cm • sharp/blunt	1
06.05.11	Tissue forceps • 11,5 cm • 1 × 2 teeth • standard	1
06.30.15	**SEMKEN** Dressing forceps • straight • 15 cm • serrated	1
09.04.25	Probe • double ended • Ø 1,5 mm • 25 cm	1
09.84.05	**PLESTER** Suction tube • 5 French • angled • 13,5 cm	1
09.84.06	**PLESTER** Suction tube • 6 French • angled • 13,5 cm	1
09.84.09	**PLESTER** Suction tube • 9 French • angled • 13,5 cm	1
10.12.63	**HALSEY HM** Needle holder • 13,5 cm	1
14.20.09	**SCHUKNECHT** Wire cutting scissors • 10 cm	1
15.44.12	**HALSTED-MOSQUITO** Hemostatic forceps • 12,5 cm • straight	1
15.45.12	**HALSTED-MOSQUITO** Hemostatic forceps • 12,5 cm • curved	2
16.10.14	**PEAN** Hemostatic forceps • 14 cm • straight	1
17.55.08	**BACKHAUS** Towel clamp • 8,5 cm	6
22.26.04	**VOLKMANN** Retractor • 4 teeth • sharp • 13 mm • 12 cm	1
24.26.01	**BELUCCI** Retractor • left 2 teeth • 11 cm	1
24.26.02	**BELUCCI** Retractor • right 2 teeth • 11 cm	1
24.26.03	**PLESTER** Retractor • 2 × 2 teeth • blunt • 11 cm	2
26.42.58	Raspatory • 8 mm • 17 cm	1
26.44.23	**LEMPERT** Raspatory • 3,0 mm • 17 cm	1
46.31.58	Sterilizing rack • 190 × 97 × 32 mm	1
46.35.24	Sterilizing rack • 197 × 98 × 12 mm • for holding 16 burrs	1
46.55.30	Sterilizing case • 300 × 200 × 50 mm	2

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47.50.50



49.60.17



49.90.04



49.97.21



62.01.11
62.01.12
62.01.13



62.12.09
62.12.10



62.16.07



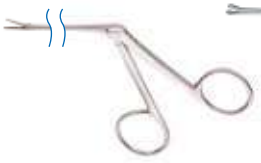
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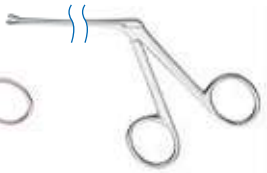
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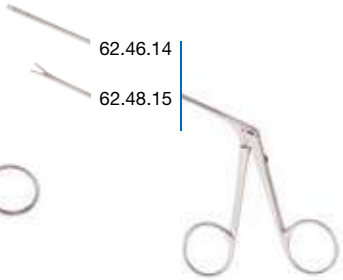
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62.32.01



62.34.12
62.35.12
62.37.12
62.41.12



62.46.14
62.48.15



62.49.90



63.06.01
63.06.03



63.06.36
63.06.40



63.06.53
63.06.56
63.06.58
63.06.60

	Part 2	Req. Qty
47.50.50	Medicin cup • graduated • 50 cc	1
49.60.17	Medicontainer • 590 × 290 × 170 mm • silver	1
49.90.04	Tray • with fixation strips • for 12 instruments	2
49.97.21	Wire basket • 510 × 255 × 50 mm	1
62.01.11	**HARTMANN** Ear speculum • adult • figure 1	1
62.01.12	**HARTMANN** Ear speculum • adult • figure 2	1
62.01.13	**HARTMANN** Ear speculum • adult • figure 3	1
62.12.09	**BUCK** Ear curette • sharp • figure 00	1
62.12.10	**BUCK** Ear curette • sharp • figure 0	1
62.16.07	**WAGENER** Ear probe • blunt • 14 cm	1
62.16.52	**DAY** Ear hook • large • 16 cm	1
62.21.11	**ROSEN** Suction needle • 0,7 mm • angled	4
62.21.12	**ROSEN** Suction needle • 0,9 mm • angled	4
62.21.13	**ROSEN** Suction needle • 1,2 mm • angled	4
62.21.14	**ROSEN** Suction needle • 1,5 mm • angled	4
62.21.15	**ROSEN** Suction needle • 2,0 mm • angled	4
62.21.46	**WULLSTEIN** Suction handle • Luer	1
62.31.12	**HARTMANN** Ear forceps • 8 cm	1
62.32.01	**HARTMANN- HERZFELD** Ear forceps • straight • Ø 2,0 mm • 8 cm	1
62.34.12	Micro ear forceps • serrated • straight • 4 × 0,5 mm • 8 cm	1
62.35.12	Micro ear forceps • serrated • straight • 4 × 0,4 mm • 8 cm	1
62.37.12	Micro ear forceps • straight • 1 × 0,9 mm • 8 cm	1
62.41.12	Micro ear scissors • sharp • straight • 8 cm	1
62.46.15	**MC GEE** Wire bending forceps • long jaws • 8 cm	1
62.48.14	**DIETER** Malleus punch • 8 cm	1
62.49.90	Ear forceps protector • teflon	6
63.06.01	**BARBARA** Needle • straight • sharp • 15 cm	1
63.06.03	**BARBARA** Needle • curved • sharp • 15 cm	2
63.06.36	Hook • 45° • 0,6 mm • 15 cm	1
63.06.40	**SHAMBAUGH** Hook • 45° • 1,0 mm • 15 cm	1
63.06.53	Hook • 90° • 0,3 mm • 15 cm	1
63.06.56	Hook • 90° • 0,6 mm • 15 cm	2
63.06.58	Hook • 90° • 0,8 mm • 15 cm	1
63.06.60	**SHAMBAUGH** Hook • 90° • 1,0 mm • 15 cm	1

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88.00.40



88.00.20



88.17.08



92.10.10



203.07.14



204.11.11

	Part 3	Req. Qty
63.06.90	**PLESTER** Hook • 2 mm • 15 cm	1
63.06.95	**ROSEN** Fenestrator • 15 cm	1
63.08.02	**FISCH** Footplate hook • 0,2 mm • 15 cm	2
63.08.06	**PLESTER** Footplate hook • 0,6 mm • 15 cm	2
63.08.20	**ANTOLI-CANDELA** Round knife • Ø 2 mm • 45° • 15 cm	2
63.10.05	**PLESTER** Flap knife • 15 cm	2
63.10.35	Discision knife • straight • 15 cm	1
63.10.41	**HOUSE** Sickle knife • 6,0 × 1,5 mm • 16 cm	2
63.12.70	**HOUSE** Curette • double-ended • 1,0 / 1,2 mm • 15 cm	2
63.12.75	**HOUSE** Curette • double-ended • 1,5 / 1,8 mm • 15 cm	2
63.14.33	Wire guide • 15 cm	1
63.45.26	Hand piece • angled • 1:1 • 128 mm	1
63.54.00	Diamond burrs • 70 mm • set of 15 pieces • Ø 0,6 - 7 mm	1
63.56.22	Cutting burr barrel • 70 mm • 6,0 mm	1
63.60.22	Cutting burr bud • 70 mm • 6,0 mm	1
63.65.73	**FISCH** Perforator • 0,3 mm • 18 cm	1
63.66.00	**HM** Cutting burrs • set of 14 pieces • Ø 0,5 - 7 mm	1
63.69.95	Service cleaning oil • without adapter	1
63.89.75	**SCHUKNECHT MODIF.** Wire bending die	1
66.03.53	**HARTMANN-HALLE** Nasal speculum • 15 cm • figure 3	1
72.25.01	**SEIFFERT** Salivary duct probe • 18 cm	1
76.01.05	Suture wire • soft • 0,5 mm • coil/10 m	1
88.00.20	Bipolar connecting cable • Ø 12,5 mm • 3 m	1
88.00.40	Bracket • for high frequency cables	1
88.17.08	Coagulation forceps • bipolar • 16,5 cm • angled • blunt	1
92.10.10	Micro motor system Servotronic EC 100 • 230 V	1
203.07.14	**SC** Operating scissors • curved • 14,5 cm • sharp/blunt	1
204.11.11	**SIEGERT SC** scissors • curved • 11,5 cm	1

Myringotomiesieb
Myringotomy Set
Juego para miringotomía
Boîte pour myringotomie
Set per miringotomia

09.21.15



49.40.35



49.97.10



49.97.74



62.01.03



62.01.12
62.01.13



62.13.11



62.18.35



62.21.01
62.21.02
62.21.03



62.21.48



62.34.12



63.06.05



63.06.56



63.10.41

		Req. Qty
09.21.15	**LATHBURY (FARRELL)** Cotton carrier • Ø 1,2 mm • 15 cm • cross threads	1
49.40.35	Medicontainer • 300 × 135 × 47 mm • silver	1
49.97.10	Wire basket • small • with handle • 275 × 125 × 40 mm	1
49.97.74	Silicone mat • 3 mm • 265 × 115 mm	1
62.01.03	**HARTMANN** Ear speculum • child • figure 3 - Ø 5,5 mm	1
62.01.12	**HARTMANN** Ear speculum • adult • figure 2 - Ø 6,5 mm	1
62.01.13	**HARTMANN** Ear speculum • adult • figure 3 - Ø 7,5 mm	1
62.13.11	**BUCK** Ear curette • blunt • figure 1	1
62.18.35	**LUCAE** Tympanum perforator	1
62.21.01	**ROSEN** Suction needle • 0,7 mm • straight	1
62.21.02	**ROSEN** Suction needle • 0,9 mm • straight	1
62.21.03	**ROSEN** Suction needle • 1,2 mm • straight	1
62.21.48	Tube connector • Luer	1
62.34.12	Micro ear forceps • serrated • straight • 4 × 0,5 mm • 8 cm	1
63.06.05	Needle • curved • blunt • 15 cm	1
63.06.56	Hook • 90° • 0,6 mm • 15 cm	1
63.10.41	**HOUSE** Sickle knife • 6,0 × 1,5 mm • 15 cm	1

Paukendrainage-Sieb
Drainage Set for Tympanic Cavity
Juego para el drenaje timpanico
Boîte de drainage pour tympan
Set per il drenaggio timpanico



46.31.58



46.55.23



62.01.11
62.01.12
62.01.13



62.03.65



62.13.11



62.21.41
62.21.42



62.21.48



62.34.12



63.06.03



63.06.58



63.10.41

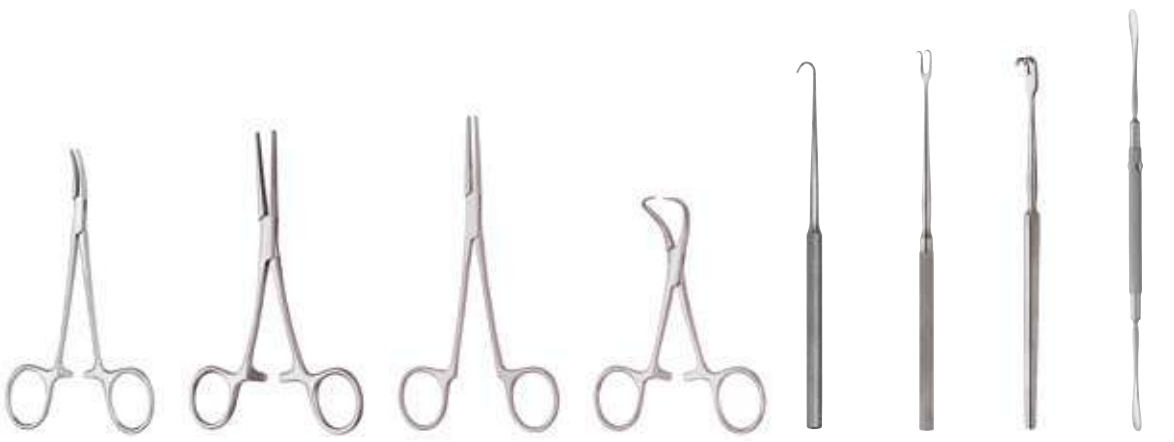
		Req. Qty
46.31.58	Sterilizing rack • 190 × 97 × 32 mm	1
46.55.23	Sterilizing case • 230 × 130 × 50 mm	1
62.01.11	**HARTMANN** Ear speculum • for adults • figure 1 - Ø 5,5 mm	1
62.01.12	**HARTMANN** Ear speculum • for adults • figure 2 - Ø 6,5 mm	1
62.01.13	**HARTMANN** Ear speculum • for adults • figure 3 - Ø 7,5 mm	1
62.03.65	Rack • for 12 ear specula	1
62.13.11	**BUCK** Ear curette • blunt • figure 1	1
62.21.41	**WULLSTEIN** Suction tube • Ø 1,5 mm • silver • 16 cm	1
62.21.42	**WULLSTEIN** Suction tube • Ø 2,0 mm • silver • 16 cm	1
62.21.48	Tube connector • Luer	1
62.34.12	Micro ear forceps • serrated • straight • 4 × 0,5 mm • 8 cm	1
63.06.03	**BARBARA** Needle • curved • sharp • 15 cm	1
63.06.58	Hook • 90° • 0,8 mm • 15 cm	1
63.10.41	**HOUSE** Sickle knife • 6,0 × 1,5 mm • 15 cm	1



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06.31.10 07.00.10 09.21.72 09.78.53 09.83.28 09.83.30 09.88.01 09.88.02 10.12.63 15.44.14



15.45.12 16.10.14 17.02.14 17.55.10 20.20.57 20.50.05 20.65.02 26.35.02

	Part 1	Req. Qty
01.22.11	Scalpel blade • figure 11 • sterile • packing unit 100 pieces	1
01.22.15	Scalpel blade • figure 15 • sterile • packing unit 100 pieces	1
01.27.03	Scalpel handle • no. 3 • standard • 12,5 cm	1
02.05.10	Scissors • curved • 10,5 cm • sharp	1
02.41.10	**LEXER-BABY** Scissors • curved • 10 cm	1
03.07.14	Operating scissors • curved • 14,5 cm • sharp/blunt	1
04.51.15	**JOSEPH** Scissors • curved • 15 cm	1
06.01.14	Dressing forceps • 14,5 cm • medium	1
06.06.14	Tissue forceps • 14,5 cm • 1 × 2 teeth • medium	1
06.31.10	Iris forceps • straight • 10 cm • 1 × 2 teeth	1
07.00.10	**GRAEFE** Fixation forceps • straight • 11 cm	1
09.21.72	Cotton carrier • Ø 1,2 mm • 12 cm • triangular serrated	1
09.78.53	Hypodermic syringe • 5 ml • Luer-Lock	1
09.83.28	**FRAZIER (FERGUSSON)** Suction cannula • 8 French • angled • 12,5 cm	1
09.83.30	**FRAZIER (FERGUSSON)** Suction cannula • 10 French • angled • 12,5 cm	1
09.88.01	Injection cannula • Ø 1,2 × 40 mm • packing unit 100 pieces	1
09.88.02	Injection cannula • Ø 1,2 × 60 mm • packing unit 100 pieces	1
10.12.63	**HALSEY HM** Needle holder • 13,5 cm • serrated	1
15.44.14	**HALSTED-MOSQUITO** Hemostatic forceps • 14 cm • straight	1
15.45.12	**HALSTED-MOSQUITO** Hemostatic forceps • 12,5 cm • curved	6
16.10.14	**PEAN** Hemostatic forceps • 14 cm • straight	1
17.02.14	Dissecting forceps • without catch • 14 cm	1
17.55.10	**BACKHAUS** Towel clamp • 10,5 cm	6
20.20.57	Nerve and tendon hook • 7 mm • blunt • 16 cm	1
20.50.05	**JOSEPH** Hook • 2 teeth • 5 mm • 16 cm	1
20.65.02	Tracheal retractor • 2 teeth • blunt • 8 mm • 16 cm	1
26.35.02	**FREER** Elevator • sharp/blunt • 5 mm • 19 cm	1

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Anthelix-Otoplastiksieb
Anthelix Otoplastic Set
Juego anthelix para otoplastía
Boîte anthelix pour otoplastie
Set anthelix per otoplastica


27.80.11


44.90.70


44.90.72


47.50.50


49.60.13


49.97.21


62.15.72


66.54.20


67.10.20


67.49.10


67.99.98


67.99.99


88.00.40


88.00.20


88.17.07


204.11.11

	Part 2	Req. Qty
27.80.11	**FREER** Chisel • light curved • 4 mm • 17 cm	1
44.90.70	Pen holder • 13 cm	1
44.90.72	Feather • no. 46 • for marking • packing unit 100 pieces	1
47.50.50	Medicine cup • 50 cc	1
49.60.13	Medicontainer • 590 × 290 × 135 • silver	1
49.97.21	Wire basket • 510 × 255 × 50 mm	2
62.15.72	**HARTMANN** Ear hook • sharp • figure 2	1
66.54.20	**FREER-JOSEPH** Septum elevator • double-ended • 19,5 cm	1
67.10.20	**COTTLE** Septum knife • straight • 14 cm	1
67.49.10	**COTTLE-MASING** Nasal scissors • curved • blunt • 10cm	1
67.99.98	**KISTLER** Anthelix cartilage rasp • 16 cm • right	1
67.99.99	**KISTLER** Anthelix cartilage rasp • 16 cm • left	1
88.00.20	Bipolar connecting cable • Ø 12,5 mm • 3 m	1
88.00.40	Bracket • for high frequency cables	1
88.17.07	Coagulation forceps • bipolar • 16,5 cm • angled • sharp	1
204.11.11	**SIEGERT SC** scissors • curved • 11,5 cm	1







Wir bieten Krankenhäusern den Service von Siebsichtungen an. Leistungsumfang der Siebsichtung:

- Erfassung des gesamten Instrumentariums nach Quantität und Wert
- Standardisierung der Siebe respektive Ergänzung fehlender Instrumente
- Austausch oder Reparatur defekter Instrumente
- Erstellung von Übersichts- und Packlisten

We offer a set checking service for hospitals. Performance of the set checking service:

- Record of all instruments according to quantity and value
- Standardization of the sets and completion of missing instruments respectively
- Exchange or repair of defective instruments
- Compilation of summary or packing lists

Nosotros ofrecemos para hospitales un servicio de revisión del instrumental quirúrgico. Contenido del servicio:

- Registro de todos los instrumentos según cantidad y valor
- Estandarizar los set instrumentales y completar los instrumentos faltantes
- Cambio o reparación de instrumentos defectos
- Elaboración de listas de contenido y empaque

Nous offrons aux hôpitaux un service de contrôle des boîtes. Le contrôle des boîtes contient:

- Enregistrement et chiffrage de l'instrumentation complète selon quantité et valeur
- Standardisation des boîtes ou complément d'instruments manquants
- Echange ou réparation des instruments défectueux
- Mise en place de listes de contenu et d'empaquetage

Offriamo un servizio di verifica dei set chirurgici per gli ospedali. Interventi nella verifica dei set chirurgici:

- Raccolta dello strumentario secondo quantità e valore
- Standardizzazione dei set attraverso l'aggiunta degli strumenti mancanti
- Sostituzione o riparazione degli strumenti difettosi
- Stesura di un elenco del contenuto e dell'imballaggio

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06.05.30	39	06.31.15	45	06.70.15	51	07.61.26	56	09.15.84	76
06.06.11	40	06.31.20	45	06.70.20	51	07.61.28	56	09.17.13	76
06.06.13	40	06.31.22	45	06.72.15	51	07.64.63	57	09.17.18	76
06.06.14	40	06.31.25	45	06.72.20	51	07.64.64	57	09.20.12	78
06.06.16	40	06.31.30	45	06.74.15	51	07.64.73	57	09.20.14	78
06.06.18	40	06.31.32	45	06.74.20	51	07.64.74	57	09.20.16	78
06.06.20	40	06.34.51	46	06.76.15	51	07.64.83	57	09.20.62	78
06.07.11	41	06.34.53	46	06.76.20	51	07.64.84	57	09.20.64	78
06.07.13	41	06.34.55	46	06.90.15	52	07.64.93	57	09.20.66	78
06.07.14	41	06.34.58	46	06.90.18	52	07.64.94	57	09.21.12	78
06.07.15	41	06.34.60	46	06.90.21	52	07.74.15	58	09.21.14	78
06.07.16	41	06.35.51	46	06.91.15	52	07.74.18	58	09.21.15	78
06.07.18	41	06.35.53	46	06.91.18	52	07.74.21	58	09.21.16	78
06.07.20	41	06.35.55	46	06.91.21	52	07.75.15	58	09.21.18	78
06.07.25	41	06.35.58	46	06.92.15	52	07.75.18	58	09.21.62	78
06.10.13	42	06.35.60	46	06.92.18	52	07.75.21	58	09.21.64	78
06.10.14	42	06.40.15	47	06.92.21	52	07.76.15	58	09.21.65	78
06.10.16	42	06.40.85	47	06.93.15	52	07.76.18	58	09.21.66	78
06.10.18	42	06.44.13	47	06.93.18	52	07.76.21	58	09.21.68	78
06.10.20	42	06.44.15	47	06.93.21	52	07.77.15	58	09.21.72	79
06.11.13	42	06.44.17	47	07.00.10	58	07.77.18	58	09.21.74	79
06.11.14	42	06.44.20	47	07.00.30	58	07.77.21	58	09.21.76	79
06.11.16	42	06.45.20	47	07.01.10	58	09.03.14	75	09.22.12	79
06.11.20	42	06.46.18	48	07.01.30	58	09.04.10	75	09.22.14	79
06.20.01	43	06.46.20	48	07.30.14	53	09.04.11	75	09.22.16	79
06.20.05	43	06.46.25	48	07.30.16	53	09.04.13	75	09.22.18	79
06.20.12	43	06.48.18	48	07.30.19	53	09.04.14	75	09.25.15	79
06.20.62	43	06.48.20	48	07.30.74	53	09.04.16	75	09.25.18	79

09.27.16	79	**09.78.44**	479	**09.83.30**	413	**10.18.67**	69	**11.20.17**	69
09.27.18	79	**09.78.45**	82	**09.83.32**	85	**10.18.68**	63	**11.62.14**	70
09.52.10	80	**09.78.45**	414	**09.83.32**	413	**10.18.70**	63	**11.62.15**	70
09.52.15	80	**09.78.47**	82	**09.83.34**	85	**10.18.85**	63	**11.62.17**	70
09.52.33	80	**09.78.52**	82	**09.83.34**	413	**10.18.88**	63	**11.62.18**	70
09.52.43	80	**09.78.52**	414	**09.83.47**	86	**10.18.90**	63	**11.62.64**	70
09.52.44	80	**09.78.52**	450	**09.83.47**	413	**10.20.14**	63	**11.62.67**	70
09.52.45	80	**09.78.53**	82	**09.83.49**	86	**10.20.15**	64	**11.62.84**	70
09.74.15	81	**09.78.53**	414	**09.83.49**	413	**10.20.18**	64	**11.62.87**	70
09.74.15	408	**09.78.53**	450	**09.83.51**	86	**10.20.20**	64	**11.70.22**	70
09.74.18	81	**09.78.53**	479	**09.83.51**	413	**10.20.64**	63	**11.70.23**	70
09.74.18	408	**09.78.54**	82	**09.83.56**	85	**10.20.64**	69	**11.70.24**	70
09.74.20	81	**09.78.54**	414	**09.83.58**	85	**10.20.65**	64	**11.70.25**	70
09.74.20	408	**09.78.54**	450	**09.83.60**	85	**10.20.67**	69	**12.15.30**	71
09.74.45	81	**09.78.54**	479	**09.83.62**	85	**10.20.68**	64	**12.15.31**	71
09.74.45	408	**09.78.55**	82	**09.83.76**	85	**10.20.70**	64	**12.15.32**	71
09.74.48	81	**09.78.55**	414	**09.83.78**	85	**10.22.18**	64	**12.15.33**	71
09.74.48	408	**09.79.25**	83	**09.83.80**	85	**10.22.68**	64	**12.15.50**	71
09.74.50	81	**09.79.27**	83	**09.83.82**	85	**10.24.65**	65	**12.15.51**	71
09.74.50	408	**09.79.32**	83	**09.84.05**	86	**10.24.68**	65	**12.15.70**	72
09.74.75	81	**09.79.35**	83	**09.84.06**	86	**10.24.70**	65	**12.15.71**	72
09.74.75	408	**09.79.55**	83	**09.84.08**	86	**10.24.73**	65	**12.15.72**	72
09.74.78	81	**09.79.65**	83	**09.84.09**	86	**10.26.63**	65	**12.15.73**	72
09.74.78	408	**09.80.12**	84	**09.85.00**	87	**10.26.65**	65	**12.16.75**	73
09.74.80	81	**09.81.12**	84	**09.85.12**	87	**10.26.68**	65	**12.16.76**	73
09.74.80	408	**09.81.32**	84	**09.85.19**	87	**10.26.70**	65	**12.16.77**	73
09.74.91	80	**09.82.08**	84	**10.00.11**	60	**10.26.73**	65	**12.16.78**	73
09.74.91	408	**09.82.10**	84	**10.00.12**	60	**10.28.63**	65	**12.18.70**	72
09.78.31	82	**09.82.12**	84	**10.00.62**	60	**10.28.65**	65	**12.18.71**	72
09.78.31	450	**09.82.21**	412	**10.02.12**	60	**10.28.68**	65	**12.18.72**	72
09.78.32	82	**09.82.22**	412	**10.08.12**	60	**10.28.70**	65	**12.18.73**	72
09.78.32	450	**09.82.23**	413	**10.08.62**	60	**10.28.73**	65	**12.18.74**	72
09.78.33	82	**09.82.24**	413	**10.10.12**	61	**10.37.20**	66	**12.18.75**	72
09.78.33	450	**09.82.25**	413	**10.10.13**	61	**10.37.70**	66	**12.18.85**	73
09.78.34	82	**09.82.26**	413	**10.10.61**	61	**10.39.17**	66	**12.18.86**	73
09.78.34	450	**09.82.28**	84	**10.10.62**	61	**10.39.64**	66	**12.18.87**	73
09.78.35	82	**09.82.30**	84	**10.10.63**	61	**10.39.65**	66	**12.18.88**	73
09.78.37	82	**09.82.32**	84	**10.12.12**	62	**10.39.66**	66	**12.21.95**	73
09.78.41	82	**09.82.36**	412	**10.12.13**	62	**10.39.67**	66	**12.21.96**	73
09.78.41	450	**09.82.38**	412	**10.12.62**	62	**10.59.14**	67	**12.21.97**	73
09.78.42	82	**09.82.40**	412	**10.12.63**	62	**10.59.15**	67	**12.21.98**	73
09.78.42	414	**09.83.06**	85	**10.14.14**	62	**10.59.64**	67	**13.09.52**	111
09.78.42	450	**09.83.08**	85	**10.14.64**	62	**10.59.65**	67	**13.09.53**	111
09.78.43	82	**09.83.10**	85	**10.18.14**	69	**10.60.14**	68	**13.11.14**	111
09.78.43	414	**09.83.12**	85	**10.18.15**	63	**10.60.17**	68	**13.11.15**	111
09.78.43	450	**09.83.26**	85	**10.18.17**	69	**10.60.19**	68	**13.12.11**	112
09.78.43	479	**09.83.26**	413	**10.18.18**	63	**10.60.64**	68	**13.12.14**	112
09.78.44	82	**09.83.28**	85	**10.18.20**	63	**10.60.67**	68	**13.12.15**	112
09.78.44	414	**09.83.28**	413	**10.18.64**	69	**10.60.69**	68	**13.12.22**	113
09.78.44	450	**09.83.30**	85	**10.18.65**	63	**11.20.14**	69	**13.12.23**	113

13.12.24	113	**14.07.15**	119	**14.62.10**	123	**15.57.15**	127	**17.02.14**	133
13.12.25	113	**14.20.10**	121	**14.62.11**	123	**15.58.15**	127	**17.05.14**	133
13.12.32	113	**14.23.12**	121	**14.62.12**	123	**15.59.15**	127	**17.05.19**	133
13.12.33	113	**14.23.62**	121	**14.62.13**	123	**15.70.14**	128	**17.06.14**	133
13.12.34	114	**14.24.10**	120	**14.62.14**	123	**15.70.34**	128	**17.06.19**	133
13.12.35	114	**14.24.12**	120	**14.62.15**	123	**15.71.14**	128	**17.07.60**	134
13.12.52	114	**14.24.20**	120	**14.62.16**	123	**15.71.34**	128	**17.07.70**	134
13.12.53	114	**14.24.22**	120	**15.10.08**	124	**15.72.14**	128	**17.07.75**	134
13.12.54	114	**14.25.10**	120	**15.10.12**	124	**15.72.16**	129	**17.07.77**	134
13.12.55	114	**14.25.12**	120	**15.10.16**	124	**15.72.34**	128	**17.08.14**	135
13.32.03	115	**14.25.20**	120	**15.11.08**	124	**15.72.64**	128	**17.08.18**	135
13.32.05	115	**14.25.22**	120	**15.11.12**	124	**15.72.66**	129	**17.08.20**	135
13.32.07	115	**14.26.10**	120	**15.11.16**	124	**15.72.74**	128	**17.08.23**	135
13.67.23	115	**14.26.12**	120	**15.16.07**	124	**15.73.14**	128	**17.08.27**	135
13.67.24	115	**14.26.20**	120	**15.16.08**	124	**15.73.16**	129	**17.10.19**	136
13.71.05	118	**14.26.22**	120	**15.16.10**	124	**15.73.34**	128	**17.11.19**	136
13.71.08	118	**14.27.10**	120	**15.16.12**	124	**15.73.64**	128	**17.11.23**	136
13.71.11	118	**14.27.12**	120	**15.17.07**	124	**15.73.66**	129	**17.12.19**	136
13.71.15	118	**14.27.20**	120	**15.17.08**	124	**15.73.74**	128	**17.12.22**	136
13.71.18	118	**14.27.22**	120	**15.17.10**	124	**16.10.13**	129	**17.12.25**	136
13.71.21	118	**14.30.11**	122	**15.17.12**	124	**16.10.14**	129	**17.12.27**	136
13.71.22	117	**14.30.17**	122	**15.24.14**	125	**16.10.16**	130	**17.12.29**	136
13.71.23	117	**14.40.65**	121	**15.25.14**	125	**16.10.18**	130	**17.21.50**	443
13.71.42	116	**14.44.67**	121	**15.28.14**	125	**16.11.13**	129	**17.21.51**	443
13.71.43	116	**14.46.14**	122	**15.29.14**	125	**16.11.14**	129	**17.21.55**	443
13.71.50	118	**14.60.01**	123	**15.32.09**	125	**16.11.16**	130	**17.21.56**	443
13.71.51	118	**14.60.02**	123	**15.33.09**	125	**16.11.18**	130	**17.30.14**	137
13.71.52	118	**14.60.03**	123	**15.34.09**	125	**16.12.13**	130	**17.30.15**	137
13.71.53	118	**14.60.04**	123	**15.35.09**	125	**16.12.14**	130	**17.32.16**	137
13.71.58	116	**14.60.05**	123	**15.40.12**	126	**16.12.16**	131	**17.32.36**	137
13.71.59	116	**14.60.06**	123	**15.41.12**	126	**16.12.18**	131	**17.50.05**	138
13.71.60	118	**14.60.07**	123	**15.42.12**	126	**16.13.13**	130	**17.50.08**	138
13.71.61	118	**14.60.08**	123	**15.43.12**	126	**16.13.14**	130	**17.50.18**	138
13.71.62	118	**14.60.09**	123	**15.44.10**	126	**16.13.16**	131	**17.50.28**	138
13.71.63	118	**14.60.10**	123	**15.44.12**	126	**16.13.18**	131	**17.55.08**	139
13.71.70	118	**14.60.11**	123	**15.44.22**	126	**16.40.18**	132	**17.55.10**	139
13.71.71	118	**14.60.12**	123	**15.44.32**	126	**16.40.19**	132	**17.55.13**	139
13.71.72	118	**14.60.13**	123	**15.45.10**	126	**16.40.21**	132	**17.55.15**	139
13.71.73	118	**14.60.14**	123	**15.45.12**	126	**16.40.88**	132	**17.55.20**	139
13.71.82	116	**14.60.15**	123	**15.45.22**	126	**16.41.18**	132	**17.55.23**	139
13.71.83	116	**14.60.16**	123	**15.45.32**	126	**16.41.19**	132	**17.57.83**	139
13.71.84	118	**14.62.01**	123	**15.46.12**	126	**16.41.21**	132	**17.65.10**	139
13.71.86	117	**14.62.02**	123	**15.46.32**	126	**16.41.88**	132	**17.71.02**	140
14.06.09	119	**14.62.03**	123	**15.47.12**	126	**16.41.89**	132	**17.72.16**	140
14.06.10	119	**14.62.04**	123	**15.47.32**	126	**16.46.19**	132	**17.72.18**	140
14.06.12	119	**14.62.05**	123	**15.50.14**	127	**16.47.19**	132	**17.72.20**	140
14.06.13	119	**14.62.06**	123	**15.51.14**	127	**16.61.19**	129	**17.72.75**	140
14.06.60	119	**14.62.07**	123	**15.52.14**	127	**16.85.14**	131	**17.72.76**	140
14.06.62	119	**14.62.08**	123	**15.53.14**	127	**16.85.18**	131	**17.72.78**	140
14.07.12	119	**14.62.09**	123	**15.56.15**	127	**16.85.20**	131	**17.72.79**	140

17.72.80	140	**20.17.14**	91	**20.64.04**	96	**23.25.03**	101	**26.05.23**	144
17.72.81	140	**20.17.16**	91	**20.64.52**	95	**23.25.04**	101	**26.05.41**	144
17.73.14	140	**20.17.18**	91	**20.64.53**	95	**23.25.05**	101	**26.05.42**	144
19.06.13	141	**20.17.28**	91	**20.65.01**	96	**23.25.06**	101	**26.05.43**	144
19.06.15	141	**20.17.30**	91	**20.65.02**	96	**23.25.07**	101	**26.10.10**	145
19.06.18	141	**20.17.32**	91	**20.65.03**	96	**23.25.08**	101	**26.10.11**	145
19.09.17	141	**20.17.34**	91	**20.65.04**	96	**23.25.09**	101	**26.10.12**	145
19.16.20	141	**20.17.36**	91	**20.65.52**	95	**23.25.10**	101	**26.10.13**	145
19.16.26	141	**20.17.38**	91	**20.65.53**	95	**23.25.11**	101	**26.10.14**	145
19.17.20	141	**20.17.90**	90	**20.66.01**	96	**23.25.12**	101	**26.10.20**	145
19.17.26	141	**20.22.01**	92	**20.66.02**	96	**23.33.01**	99	**26.10.21**	145
19.40.18	142	**20.22.02**	92	**20.66.03**	96	**23.33.02**	99	**26.10.22**	145
19.40.20	142	**20.22.03**	92	**20.66.04**	96	**23.33.03**	99	**26.10.23**	145
19.40.22	142	**20.22.31**	92	**20.67.01**	96	**23.33.11**	99	**26.23.04**	146
19.40.26	142	**20.22.32**	92	**20.67.02**	96	**23.33.12**	99	**26.24.04**	146
19.41.18	142	**20.30.12**	92	**20.67.03**	96	**23.33.13**	99	**26.24.05**	146
19.41.20	142	**20.30.19**	92	**20.67.04**	96	**23.40.01**	103	**26.24.07**	146
19.41.22	142	**20.30.20**	92	**22.00.06**	104	**23.40.02**	103	**26.29.07**	146
19.41.26	142	**20.31.13**	92	**22.00.12**	104	**24.04.05**	107	**26.29.10**	146
19.50.18	143	**20.31.15**	92	**22.00.17**	104	**24.04.06**	107	**26.35.01**	146
19.50.20	143	**20.35.01**	93	**22.00.25**	104	**24.04.07**	107	**26.35.01**	371
19.50.24	143	**20.35.02**	93	**22.09.16**	104	**24.04.08**	107	**26.35.02**	146
19.51.18	143	**20.40.14**	93	**22.16.13**	106	**24.05.57**	107	**26.35.02**	371
19.51.20	143	**20.40.16**	93	**22.16.14**	106	**24.05.58**	107	**26.35.03**	146
19.51.24	143	**20.45.14**	93	**22.16.15**	106	**24.09.09**	107	**26.35.03**	371
20.05.08	88	**20.45.16**	93	**22.16.16**	106	**24.09.10**	107	**26.37.01**	149
20.05.09	88	**20.50.01**	94	**22.34.02**	97	**24.10.07**	107	**26.37.02**	149
20.05.25	88	**20.50.02**	94	**22.34.03**	97	**24.10.08**	107	**26.37.03**	149
20.05.50	88	**20.50.05**	94	**22.34.04**	97	**24.10.10**	107	**26.37.07**	149
20.07.07	88	**20.50.07**	94	**22.34.06**	97	**24.10.11**	107	**26.37.08**	147
20.07.08	88	**20.50.10**	94	**22.34.52**	97	**24.13.10**	107	**26.37.10**	149
20.09.50	89	**20.52.02**	93	**22.34.53**	97	**24.13.20**	107	**26.37.12**	147
20.10.01	89	**20.52.10**	93	**22.34.54**	97	**24.22.10**	108	**26.39.01**	148
20.10.02	89	**20.52.11**	93	**22.34.56**	97	**24.22.11**	108	**26.39.02**	148
20.10.03	89	**20.55.13**	94	**22.35.02**	97	**24.22.12**	108	**26.39.09**	148
20.10.04	89	**20.55.16**	94	**22.35.03**	97	**24.22.13**	108	**26.39.10**	148
20.10.05	89	**20.55.17**	94	**22.35.04**	97	**24.22.14**	108	**26.39.11**	148
20.10.06	89	**20.55.26**	94	**22.35.06**	97	**24.22.15**	108	**26.39.12**	148
20.12.10	89	**20.55.27**	94	**23.05.10**	100	**24.22.16**	108	**26.40.06**	149
20.12.18	89	**20.60.01**	95	**23.05.14**	100	**24.22.17**	108	**26.42.03**	149
20.12.20	89	**20.60.02**	95	**23.05.16**	100	**24.26.01**	109	**26.42.05**	149
20.12.25	90	**20.60.03**	95	**23.06.10**	102	**24.26.02**	109	**26.42.07**	149
20.12.26	90	**20.60.04**	95	**23.06.12**	102	**24.26.03**	109	**26.42.14**	147
20.12.75	90	**20.61.01**	95	**23.06.13**	102	**24.26.04**	109	**26.42.15**	147
20.12.85	90	**20.61.02**	95	**23.06.16**	102	**24.26.13**	109	**26.42.24**	147
20.15.13	90	**20.61.03**	95	**23.07.10**	102	**24.26.14**	109	**26.42.25**	147
20.15.16	90	**20.61.04**	95	**23.07.13**	102	**24.30.30**	110	**26.44.04**	147
20.17.08	91	**20.64.01**	96	**23.07.16**	102	**24.30.31**	110	**26.44.04**	376
20.17.10	91	**20.64.02**	96	**23.25.01**	101	**26.05.21**	144	**26.44.22**	150
20.17.12	91	**20.64.03**	96	**23.25.02**	101	**26.05.22**	144	**26.44.23**	150

26.44.24	150	**29.51.24**	157	**30.71.03**	161	**44.50.90**	171	**44.62.59**	176
26.44.25	150	**29.51.33**	157	**30.76.13**	162	**44.51.01**	168	**44.62.60**	174
26.44.28	150	**29.51.42**	157	**30.76.14**	162	**44.51.11**	168	**44.62.61**	174
26.53.13	150	**29.51.50**	157	**30.76.17**	162	**44.51.11**	169	**44.63.50**	177
26.53.23	150	**29.51.51**	157	**30.76.18**	162	**44.51.11**	170	**44.75.10**	174
27.02.10	151	**29.51.52**	157	**30.76.19**	163	**44.51.14**	168	**44.75.11**	174
27.02.13	151	**29.51.53**	157	**30.76.29**	163	**44.51.14**	169	**44.75.15**	178
27.04.20	151	**29.51.54**	157	**30.79.19**	162	**44.51.14**	170	**44.75.18**	176
27.04.22	151	**29.51.55**	157	**30.79.59**	162	**44.51.15**	169	**44.75.20**	179
27.06.20	151	**29.51.56**	157	**31.04.02**	163	**44.51.16**	169	**44.75.21**	179
27.06.20	397	**29.67.06**	158	**31.04.03**	163	**44.51.18**	168	**44.86.64**	173
27.10.31	398	**29.67.15**	158	**31.05.02**	163	**44.51.18**	169	**44.90.70**	359
27.10.32	398	**29.67.24**	158	**31.05.03**	163	**44.51.18**	170	**44.90.72**	359
27.10.33	398	**29.67.33**	158	**31.06.05**	164	**44.51.22**	168	**45.01.00**	199
27.64.04	154	**29.67.42**	158	**31.07.05**	164	**44.51.26**	168	**45.01.01**	199
27.64.07	154	**29.67.50**	158	**31.07.65**	164	**44.51.26**	169	**45.01.05**	199
27.64.09	154	**29.67.51**	158	**31.11.04**	164	**44.51.26**	170	**45.01.06**	199
27.64.12	154	**29.67.52**	158	**31.11.05**	164	**44.51.42**	169	**45.01.10**	198
27.80.10	154	**29.68.42**	156	**33.02.15**	165	**44.51.62**	170	**45.01.11**	198
27.80.11	154	**29.68.42**	396	**33.04.18**	165	**44.51.63**	170	**45.01.12**	198
27.80.19	154	**29.68.50**	156	**33.20.14**	166	**44.51.64**	170	**45.01.13**	198
27.82.12	399	**29.68.50**	396	**33.20.17**	166	**44.51.65**	170	**45.01.14**	198
27.82.14	399	**29.68.51**	156	**33.20.19**	166	**44.51.95**	168	**45.01.15**	198
27.82.15	399	**29.68.51**	396	**33.20.22**	166	**44.51.95**	168	**45.05.10**	200
27.95.03	154	**29.68.52**	156	**33.21.14**	166	**44.51.95**	169	**45.05.11**	200
27.95.05	154	**29.68.52**	396	**33.21.17**	166	**44.51.95**	170	**45.05.12**	200
27.95.07	154	**29.69.51**	158	**33.21.19**	166	**44.52.19**	176	**45.05.13**	200
27.95.09	154	**29.69.52**	158	**33.21.22**	166	**44.60.00**	172	**45.05.14**	200
27.95.11	154	**29.69.53**	158	**33.50.15**	166	**44.60.00**	173	**45.05.50**	201
27.95.12	154	**29.80.10**	159	**33.51.15**	166	**44.60.02**	173	**45.05.51**	201
27.95.20	154	**29.80.11**	159	**33.56.18**	165	**44.60.02**	173	**45.05.54**	201
27.95.21	154	**29.80.12**	159	**33.57.18**	165	**44.60.20**	172	**45.05.55**	201
27.95.22	154	**29.80.62**	159	**33.59.17**	165	**44.60.20**	173	**45.08.30**	202
29.18.05	156	**29.83.10**	159	**40.25.14**	36	**44.60.40**	173	**45.08.31**	202
29.18.06	156	**29.83.11**	159	**40.25.18**	36	**44.60.45**	173	**45.08.32**	202
29.18.07	156	**29.83.12**	159	**40.25.64**	36	**44.60.49**	173	**45.08.33**	202
29.18.08	156	**30.05.14**	160	**40.25.68**	36	**44.60.49**	173	**45.08.34**	202
29.24.01	158	**30.07.14**	160	**44.37.15**	167	**44.62.00**	172	**45.08.50**	203
29.24.02	158	**30.07.15**	160	**44.37.20**	167	**44.62.00**	173	**45.08.51**	203
29.24.51	158	**30.17.14**	160	**44.50.10**	171	**44.62.02**	173	**45.08.54**	203
29.24.52	158	**30.17.17**	160	**44.50.12**	171	**44.62.05**	173	**45.08.55**	203
29.40.33	157	**30.25.30**	161	**44.50.16**	170	**44.62.06**	173	**45.15.50**	187
29.40.42	157	**30.25.45**	161	**44.50.16**	171	**44.62.10**	172	**45.15.51**	187
29.40.50	157	**30.25.90**	161	**44.50.28**	168	**44.62.10**	173	**45.15.54**	187
29.40.51	157	**30.30.15**	161	**44.50.70**	171	**44.62.12**	173	**45.15.55**	187
29.40.52	157	**30.30.35**	161	**44.50.71**	171	**44.62.14**	173	**45.15.56**	187
29.40.53	157	**30.38.56**	160	**44.50.72**	171	**44.62.19**	173	**45.15.57**	187
29.40.54	157	**30.50.18**	161	**44.50.73**	171	**44.62.19**	173	**45.15.60**	186
29.40.55	157	**30.51.18**	161	**44.50.74**	171	**44.62.50**	174	**45.15.61**	186
29.40.56	157	**30.71.02**	161	**44.50.75**	171	**44.62.51**	174	**45.15.62**	186

45.15.63	186	**45.29.56**	197	**45.51.22**	182	**46.37.65**	219	**50.02.13**	137
45.15.64	186	**45.29.60**	196	**45.51.27**	182	**46.52.20**	220	**50.02.14**	137
45.16.50	189	**45.29.61**	196	**45.52.11**	183	**46.52.30**	220	**50.02.15**	137
45.16.51	189	**45.29.62**	196	**45.52.12**	183	**46.52.40**	220	**50.02.16**	137
45.16.54	189	**45.48.11**	208	**45.52.13**	183	**46.52.50**	220	**52.46.85**	138
45.16.55	189	**45.48.12**	208	**45.52.14**	183	**46.55.23**	220	**52.46.90**	138
45.16.56	189	**45.48.15**	208	**45.52.15**	183	**46.55.26**	220	**57.59.10**	301
45.16.57	189	**45.48.26**	206	**45.52.16**	183	**46.55.30**	220	**57.59.26**	301
45.16.61	188	**45.48.27**	206	**45.52.17**	183	**46.55.32**	220	**58.16.45**	74
45.16.62	188	**45.48.49**	204	**45.52.23**	183	**46.55.34**	220	**58.16.48**	74
45.16.63	188	**45.48.50**	204	**45.53.11**	184	**46.56.23**	220	**58.19.40**	74
45.16.64	188	**45.48.51**	204	**45.53.12**	184	**46.56.26**	220	**58.19.45**	74
45.17.50	191	**45.48.54**	204	**45.53.13**	184	**46.56.30**	220	**58.20.60**	116
45.17.51	191	**45.48.56**	206	**45.54.02**	181	**46.56.32**	220	**58.20.64**	116
45.17.54	191	**45.48.57**	206	**45.54.03**	181	**47.20.17**	225	**58.20.91**	71
45.17.55	191	**45.48.65**	199	**45.54.05**	181	**47.20.20**	225	**58.20.95**	71
45.17.56	191	**45.48.65**	201	**45.54.06**	181	**47.20.25**	225	**58.30.16**	284
45.17.57	191	**45.48.65**	203	**45.54.07**	181	**47.20.27**	225	**58.30.17**	284
45.17.61	190	**45.48.66**	199	**45.57.11**	185	**47.26.19**	225	**58.30.18**	284
45.17.62	190	**45.48.66**	201	**45.57.12**	185	**47.26.24**	225	**58.30.20**	241
45.17.63	190	**45.48.66**	203	**45.57.13**	185	**47.26.28**	225	**58.32.21**	286
45.17.64	190	**45.48.70**	205	**45.57.14**	185	**47.26.29**	225	**58.33.01**	283
45.17.81	190	**45.48.72**	205	**45.57.15**	185	**47.26.32**	225	**59.20.40**	74
45.17.82	190	**45.48.72**	207	**45.70.20**	214	**47.26.38**	225	**59.20.45**	74
45.17.83	190	**45.48.73**	207	**45.70.25**	214	**47.30.08**	226	**59.23.42**	74
45.17.84	190	**45.48.79**	204	**45.70.30**	214	**47.30.09**	226	**59.23.45**	74
45.25.50	193	**45.48.80**	204	**45.70.50**	214	**47.30.10**	226	**60.00.42**	167
45.25.51	193	**45.48.81**	204	**45.75.01**	212	**47.30.13**	226	**60.00.43**	167
45.25.54	193	**45.48.82**	206	**45.75.02**	212	**47.31.01**	226	**60.34.00**	77
45.25.55	193	**45.48.83**	206	**45.75.03**	212	**47.31.02**	226	**60.34.01**	77
45.25.56	193	**45.48.84**	204	**45.76.02**	212	**47.31.04**	226	**60.34.02**	77
45.25.57	193	**45.48.86**	206	**45.76.03**	212	**47.31.06**	226	**60.34.04**	77
45.25.60	192	**45.48.96**	208	**45.81.17**	213	**47.31.08**	226	**60.34.06**	77
45.25.61	192	**45.49.71**	208	**45.82.16**	213	**47.31.10**	226	**60.34.08**	77
45.25.62	192	**45.49.72**	208	**45.82.17**	213	**47.40.03**	226	**60.34.10**	77
45.25.63	192	**45.49.74**	208	**46.00.40**	215	**47.40.04**	226	**60.34.11**	77
45.25.64	192	**45.49.75**	208	**46.00.44**	215	**47.40.05**	226	**60.34.12**	77
45.28.50	195	**45.49.91**	205	**46.10.20**	216	**47.40.06**	226	**60.34.14**	77
45.28.51	195	**45.49.91**	208	**46.10.30**	216	**47.40.07**	226	**60.34.16**	77
45.28.54	195	**45.49.92**	205	**46.16.24**	216	**47.40.08**	226	**60.34.18**	77
45.28.55	195	**45.49.92**	208	**46.16.29**	216	**47.40.12**	226	**60.34.21**	77
45.28.56	195	**45.49.92**	169	**46.31.12**	217	**49.90.00**	222	**60.34.22**	77
45.28.57	195	**45.49.98**	209	**46.31.58**	217	**49.90.02**	222	**60.34.24**	77
45.28.60	194	**45.49.99**	209	**46.35.07**	218	**49.90.04**	222	**60.34.26**	77
45.28.61	194	**45.51.11**	182	**46.35.24**	218	**49.97.04**	224	**60.34.28**	77
45.28.62	194	**45.51.12**	182	**46.35.45**	217	**49.97.05**	224	**60.34.31**	77
45.28.63	194	**45.51.13**	182	**46.37.10**	219	**49.97.06**	224	**60.34.32**	77
45.28.64	194	**45.51.14**	182	**46.37.12**	219	**49.97.07**	224	**60.34.34**	77
45.29.50	197	**45.51.15**	182	**46.37.50**	219	**49.97.90**	223	**60.34.36**	77
45.29.54	197	**45.51.21**	182	**46.37.51**	219	**49.98.90**	223	**60.34.38**	77

60.34.80	383	**62.15.05**	241	**62.22.37**	248	**63.06.07**	275	**63.12.15**	288
60.34.81	383	**62.15.10**	241	**62.22.61**	248	**63.06.41**	275	**63.12.27**	288
60.34.82	383	**62.15.11**	242	**62.22.62**	248	**63.06.43**	275	**63.12.70**	289
60.34.83	383	**62.15.12**	242	**62.22.71**	249	**63.06.45**	275	**63.12.75**	289
62.00.10	228	**62.15.43**	305	**62.22.72**	249	**63.06.49**	275	**63.12.80**	289
62.00.11	228	**62.15.44**	305	**62.23.09**	249	**63.06.85**	276	**63.12.85**	289
62.00.13	229	**62.15.45**	305	**62.23.12**	249	**63.06.90**	276	**63.14.10**	288
62.00.14	229	**62.15.71**	242	**62.23.15**	249	**63.06.95**	276	**63.14.33**	288
62.00.15	229	**62.15.72**	242	**62.23.18**	249	**63.07.01**	274	**63.15.39**	487
62.01.00	230	**62.16.01**	242	**62.23.25**	249	**63.07.72**	277	**63.17.01**	278
62.01.03	230	**62.16.02**	242	**62.23.30**	249	**63.07.73**	277	**63.17.05**	278
62.01.10	230	**62.16.03**	242	**62.23.30**	413	**63.07.75**	277	**63.17.06**	278
62.01.13	230	**62.16.04**	242	**62.23.45**	249	**63.07.80**	277	**63.17.10**	278
62.02.00	230	**62.16.05**	242	**62.24.05**	250	**63.07.85**	277	**63.17.11**	278
62.02.03	230	**62.16.06**	241	**62.24.07**	250	**63.07.90**	277	**63.17.15**	278
62.02.10	230	**62.16.07**	241	**62.24.10**	250	**63.07.92**	277	**63.17.16**	278
62.02.13	230	**62.16.51**	242	**62.24.16**	250	**63.07.93**	277	**63.17.18**	278
62.03.65	231	**62.16.52**	242	**62.24.19**	250	**63.08.02**	277	**63.17.20**	278
62.03.85	232	**62.16.81**	241	**62.28.00**	251	**63.08.06**	277	**63.17.21**	278
62.04.11	233	**62.16.82**	241	**62.28.10**	251	**63.09.01**	280	**63.17.24**	278
62.04.12	233	**62.16.84**	241	**62.28.12**	251	**63.09.03**	280	**63.17.25**	278
62.04.40	233	**62.17.60**	243	**62.28.16**	251	**63.09.06**	281	**63.17.31**	279
62.04.41	233	**62.18.23**	244	**62.28.17**	251	**63.09.11**	281	**63.17.32**	279
62.04.42	233	**62.18.25**	244	**62.28.18**	251	**63.09.22**	281	**63.17.35**	279
62.04.43	233	**62.18.27**	244	**62.30.05**	259	**63.09.25**	281	**63.17.36**	279
62.04.75	233	**62.18.30**	244	**62.30.10**	259	**63.09.53**	281	**63.17.43**	279
62.05.05	234	**62.18.33**	244	**62.30.20**	259	**63.10.03**	282	**63.17.44**	279
62.09.02	237	**62.18.35**	244	**62.30.21**	259	**63.10.05**	282	**63.17.51**	279
62.09.50	237	**62.18.45**	243	**62.30.40**	259	**63.10.32**	282	**63.17.52**	279
62.10.10	238	**62.18.47**	243	**62.48.10**	273	**63.10.35**	282	**63.17.61**	279
62.10.30	238	**62.18.53**	243	**62.49.10**	273	**63.10.40**	283	**63.17.62**	279
62.10.42	238	**62.18.57**	243	**62.49.90**	273	**63.10.41**	283	**63.17.64**	279
62.10.42	238	**62.18.71**	245	**62.60.40**	252	**63.10.46**	283	**63.17.65**	279
62.10.47	238	**62.18.73**	245	**62.60.52**	252	**63.10.99**	283	**63.65.90**	290
62.10.48	238	**62.18.75**	245	**62.60.57**	252	**63.11.02**	284	**63.65.92**	290
62.14.01	240	**62.18.77**	245	**62.60.58**	252	**63.11.03**	286	**63.65.94**	290
62.14.02	240	**62.20.30**	245	**62.60.70**	252	**63.11.11**	286	**63.89.50**	291
62.14.03	240	**62.20.50**	246	**62.60.71**	252	**63.11.15**	284	**63.89.75**	291
62.14.07	240	**62.20.55**	246	**62.60.80**	252	**63.11.21**	284	**66.01.10**	294
62.14.08	240	**62.20.62**	246	**62.90.30**	255	**63.11.22**	284	**66.01.11**	294
62.14.09	240	**62.20.63**	246	**62.90.49**	255	**63.11.40**	287	**66.02.01**	294
62.14.10	240	**62.20.64**	246	**62.90.80**	256	**63.11.41**	287	**66.02.02**	294
62.14.15	240	**62.20.69**	246	**62.90.90**	257	**63.11.50**	284	**66.02.03**	294
62.14.20	240	**62.21.41**	247	**62.90.95**	258	**63.11.51**	284	**66.03.01**	294
62.14.21	240	**62.21.42**	247	**63.06.01**	274	**63.11.54**	287	**66.03.02**	294
62.14.22	240	**62.21.43**	247	**63.06.02**	274	**63.11.55**	287	**66.03.03**	294
62.14.31	239	**62.21.46**	248	**63.06.03**	274	**63.11.65**	287	**66.03.51**	294
62.14.32	239	**62.21.48**	247	**63.06.04**	274	**63.11.75**	285	**66.03.52**	294
62.14.70	242	**62.22.30**	248	**63.06.05**	274	**63.11.76**	285	**66.03.53**	294
62.14.75	242	**62.22.35**	248	**63.06.06**	274	**63.12.10**	288	**66.05.01**	295

66.05.02	295	**66.25.01**	308	**66.50.14**	357	**66.58.88**	396	**66.70.51**	419
66.05.03	295	**66.25.02**	308	**66.50.15**	357	**66.58.92**	396	**66.70.52**	419
66.05.31	295	**66.25.03**	308	**66.50.16**	357	**66.58.94**	396	**66.70.54**	419
66.05.32	295	**66.25.10**	308	**66.52.05**	357	**66.59.70**	376	**66.70.55**	419
66.05.51	295	**66.25.11**	307	**66.52.10**	357	**66.60.02**	409	**66.70.62**	419
66.05.52	295	**66.25.12**	307	**66.52.20**	358	**66.60.03**	409	**66.70.63**	419
66.05.53	295	**66.25.15**	307	**66.52.55**	358	**66.60.07**	409	**66.70.64**	419
66.05.92	295	**66.25.16**	308	**66.52.60**	358	**66.60.08**	409	**66.70.65**	419
66.07.00	296	**66.25.17**	308	**66.52.70**	358	**66.60.10**	410	**66.70.67**	419
66.07.01	296	**66.25.57**	317	**66.52.80**	282	**66.60.11**	410	**66.70.68**	419
66.07.02	296	**66.25.60**	310	**66.52.81**	282	**66.60.12**	410	**67.03.50**	298
66.07.03	296	**66.25.65**	310	**66.53.01**	370	**66.60.13**	410	**67.03.52**	298
66.09.01	297	**66.27.11**	308	**66.53.02**	370	**66.60.15**	409	**67.05.55**	299
66.09.02	297	**66.27.12**	308	**66.53.11**	370	**66.60.17**	409	**67.05.56**	299
66.09.03	297	**66.27.13**	308	**66.53.12**	370	**66.60.21**	410	**67.05.75**	299
66.09.41	297	**66.27.52**	317	**66.53.32**	370	**66.60.22**	410	**67.05.76**	299
66.09.42	297	**66.27.53**	317	**66.54.10**	370	**66.60.23**	410	**67.06.55**	299
66.09.43	297	**66.28.01**	318	**66.54.15**	371	**66.60.24**	410	**67.06.56**	299
66.10.20	302	**66.28.02**	318	**66.54.20**	372	**66.60.30**	414	**67.06.75**	299
66.10.21	303	**66.28.03**	318	**66.54.30**	372	**66.60.35**	411	**67.06.76**	299
66.10.22	303	**66.28.04**	318	**66.54.40**	373	**66.60.41**	411	**67.10.20**	359
66.10.23	303	**66.28.05**	318	**66.54.50**	373	**66.60.42**	411	**67.10.30**	359
66.15.10	304	**66.28.11**	318	**66.54.55**	373	**66.60.45**	411	**67.10.35**	359
66.15.13	304	**66.28.12**	318	**66.54.60**	383	**66.60.46**	411	**67.10.40**	360
66.15.20	304	**66.28.13**	318	**66.54.70**	383	**66.60.50**	411	**67.10.42**	360
66.15.21	304	**66.28.14**	318	**66.54.80**	384	**66.60.52**	409	**67.10.43**	360
66.15.23	304	**66.28.31**	318	**66.54.90**	384	**66.60.66**	409	**67.10.45**	360
66.15.30	304	**66.28.32**	318	**66.54.91**	384	**66.60.67**	409	**67.10.60**	360
66.15.40	305	**66.28.33**	318	**66.54.95**	383	**66.60.68**	409	**67.10.65**	360
66.15.43	447	**66.28.34**	318	**66.55.44**	399	**66.60.71**	412	**67.14.15**	361
66.15.44	447	**66.28.71**	318	**66.55.46**	399	**66.60.72**	412	**67.14.20**	361
66.15.45	447	**66.28.72**	318	**66.55.54**	399	**66.60.82**	384	**67.14.25**	361
66.20.10	305	**66.28.73**	318	**66.55.56**	399	**66.60.83**	384	**67.14.30**	362
66.20.11	305	**66.28.74**	318	**66.55.85**	399	**66.60.84**	384	**67.14.31**	362
66.20.25	306	**66.28.75**	318	**66.55.90**	399	**66.60.85**	384	**67.14.35**	362
66.20.27	306	**66.28.81**	318	**66.55.95**	399	**66.62.33**	385	**67.14.50**	363
66.20.28	306	**66.28.82**	318	**66.58.00**	394	**66.62.35**	385	**67.14.51**	363
66.20.30	306	**66.28.83**	318	**66.58.01**	394	**66.62.38**	385	**67.14.52**	363
66.20.31	306	**66.28.84**	318	**66.58.02**	394	**66.62.70**	415	**67.15.35**	376
66.20.35	307	**66.38.15**	349	**66.58.03**	394	**66.65.10**	105	**67.15.48**	376
66.23.10	316	**66.38.50**	346	**66.58.04**	394	**66.69.01**	292	**67.15.50**	377
66.23.13	316	**66.40.05**	333	**66.58.05**	394	**66.69.10**	493	**67.15.51**	377
66.23.16	316	**66.40.20**	333	**66.58.06**	394	**66.69.16**	416	**67.15.65**	377
66.23.19	316	**66.40.21**	333	**66.58.10**	395	**66.69.16**	417	**67.15.70**	377
66.23.23	316	**66.40.22**	333	**66.58.12**	395	**66.69.16**	494	**67.15.75**	378
66.23.26	316	**66.50.03**	357	**66.58.20**	393	**66.69.16**	495	**67.15.80**	378
66.23.29	316	**66.50.04**	357	**66.58.36**	395	**66.70.01**	414	**67.15.91**	378
66.23.33	316	**66.50.05**	357	**66.58.45**	395	**66.70.03**	414	**67.15.93**	379
66.23.36	316	**66.50.06**	357	**66.58.80**	393	**66.70.05**	414	**67.15.96**	379
66.23.39	316	**66.50.13**	357	**66.58.87**	396	**66.70.07**	414	**67.16.21**	380

67.16.22	380	**67.32.06**	406	**67.50.16**	336	**67.60.11**	392	**67.90.05**	415
67.16.23	380	**67.32.80**	406	**67.51.12**	336	**67.60.12**	392	**67.99.98**	285
67.16.43	381	**67.33.03**	405	**67.51.14**	337	**67.60.21**	392	**67.99.99**	285
67.16.55	381	**67.33.04**	405	**67.51.16**	336	**67.60.22**	392	**68.01.97**	98
67.16.65	381	**67.33.05**	405	**67.51.19**	337	**67.60.51**	389	**68.01.98**	98
67.19.70	382	**67.33.06**	405	**67.51.64**	337	**67.60.52**	389	**68.01.99**	98
67.19.75	382	**67.33.12**	402	**67.52.11**	336	**67.60.53**	389	**68.25.03**	364
67.19.80	382	**67.33.14**	402	**67.52.12**	338	**67.60.54**	389	**68.25.15**	364
67.20.03	366	**67.33.16**	402	**67.52.16**	338	**67.60.55**	389	**68.25.17**	364
67.20.05	366	**67.34.03**	402	**67.53.13**	338	**67.60.56**	389	**68.25.20**	365
67.20.07	366	**67.34.05**	402	**67.53.16**	339	**67.60.60**	390	**68.82.31**	103
67.20.10	366	**67.34.22**	403	**67.53.23**	339	**67.60.61**	390	**68.82.32**	103
67.20.11	366	**67.34.23**	403	**67.53.36**	339	**67.60.62**	390	**68.82.33**	103
67.20.21	366	**67.34.24**	403	**67.53.50**	340	**67.60.63**	390	**68.82.49**	374
67.20.22	366	**67.34.27**	403	**67.53.51**	340	**67.60.64**	390	**68.82.50**	374
67.20.23	367	**67.34.29**	403	**67.53.71**	340	**67.60.65**	390	**68.82.51**	374
67.20.25	367	**67.34.32**	403	**67.53.75**	340	**67.60.90**	392	**71.32.08**	423
67.20.44	367	**67.34.33**	402	**67.53.77**	339	**67.61.00**	391	**71.34.15**	424
67.20.50	367	**67.34.56**	403	**67.53.83**	341	**67.61.01**	391	**71.34.65**	424
67.20.51	367	**67.35.05**	406	**67.55.63**	341	**67.61.03**	391	**71.36.10**	423
67.20.52	367	**67.35.07**	406	**67.57.80**	355	**67.61.10**	391	**71.36.12**	423
67.21.15	368	**67.35.08**	406	**67.58.13**	355	**67.61.11**	391	**71.36.14**	423
67.21.25	368	**67.36.08**	403	**67.58.14**	356	**67.61.12**	391	**71.36.16**	423
67.21.30	369	**67.36.10**	403	**67.58.15**	355	**67.61.13**	391	**71.36.18**	423
67.21.33	368	**67.36.12**	403	**67.58.33**	355	**67.61.14**	391	**71.45.12**	425
67.21.35	368	**67.36.15**	403	**67.58.35**	355	**67.61.15**	391	**71.45.13**	425
67.21.38	369	**67.36.30**	403	**67.58.36**	355	**67.61.16**	391	**71.45.15**	425
67.21.40	369	**67.36.32**	403	**67.58.40**	313	**67.61.17**	391	**71.45.16**	425
67.21.45	369	**67.36.34**	403	**67.58.43**	356	**67.61.18**	391	**71.45.17**	425
67.30.04	404	**67.36.36**	403	**67.58.45**	355	**67.61.19**	391	**71.47.10**	423
67.30.07	404	**67.37.10**	407	**67.58.50**	356	**67.65.10**	311	**71.47.11**	423
67.30.09	404	**67.37.12**	407	**67.58.60**	356	**67.65.11**	311	**71.47.12**	423
67.30.12	404	**67.37.14**	407	**67.58.70**	356	**67.65.12**	311	**71.47.14**	423
67.30.15	401	**67.37.16**	407	**67.59.10**	385	**67.65.15**	311	**71.47.16**	423
67.30.22	401	**67.37.20**	407	**67.59.11**	385	**67.65.18**	312	**71.47.18**	423
67.30.34	401	**67.37.25**	405	**67.59.12**	385	**67.65.20**	312	**71.48.11**	425
67.30.37	401	**67.37.30**	405	**67.59.25**	386	**67.65.24**	312	**71.48.12**	425
67.30.39	401	**67.37.35**	405	**67.59.30**	386	**67.65.27**	342	**71.48.14**	425
67.30.42	401	**67.38.10**	407	**67.59.35**	386	**67.65.28**	342	**71.48.17**	425
67.30.53	404	**67.38.11**	407	**67.59.36**	386	**67.65.29**	342	**71.50.18**	428
67.31.16	404	**67.38.12**	407	**67.59.40**	387	**67.65.31**	341	**71.50.19**	428
67.31.48	406	**67.40.20**	397	**67.59.41**	387	**67.65.32**	341	**71.63.18**	429
67.31.50	406	**67.40.75**	397	**67.59.42**	387	**67.65.33**	341	**71.63.20**	429
67.31.52	406	**67.48.10**	335	**67.59.47**	387	**67.65.70**	314	**71.63.22**	429
67.31.54	406	**67.49.10**	335	**67.59.50**	387	**67.65.71**	314	**71.63.60**	429
67.31.56	406	**67.49.18**	337	**67.59.60**	387	**67.65.71**	315	**71.64.23**	429
67.31.58	406	**67.49.20**	337	**67.59.65**	388	**67.65.72**	314	**71.65.20**	429
67.31.73	401	**67.50.01**	335	**67.59.70**	388	**67.65.74**	315	**72.00.01**	430
67.31.75	401	**67.50.11**	335	**67.59.71**	388	**67.65.76**	315	**72.00.10**	430
67.31.86	402	**67.50.13**	335	**67.60.10**	392	**67.65.80**	315	**72.00.15**	430

72.00.18	430	**72.25.40**	439	**73.12.31**	452	**73.17.08**	458	**73.17.77**	464
72.00.27	430	**72.25.45**	439	**73.12.35**	452	**73.17.09**	458	**73.17.80**	468
72.00.28	430	**72.40.05**	440	**73.13.04**	453	**73.17.10**	458	**73.17.81**	468
72.00.35	430	**72.40.15**	440	**73.13.05**	453	**73.17.11**	458	**73.18.00**	465
72.00.50	430	**72.40.18**	441	**73.13.06**	453	**73.17.12**	458	**73.18.01**	465
72.00.85	431	**72.40.19**	441	**73.13.12**	453	**73.17.13**	458	**73.18.02**	465
72.00.95	431	**72.40.20**	441	**73.13.14**	453	**73.17.16**	458	**73.18.03**	465
72.01.01	431	**72.40.21**	441	**73.13.17**	453	**73.17.17**	458	**73.18.04**	465
72.01.02	431	**72.40.22**	442	**73.13.19**	453	**73.17.18**	458	**73.18.05**	465
72.01.03	431	**72.40.23**	442	**73.13.20**	453	**73.17.20**	459	**73.18.06**	465
72.01.15	431	**72.40.50**	442	**73.13.31**	453	**73.17.21**	459	**73.18.07**	465
72.01.25	431	**72.40.90**	442	**73.13.35**	453	**73.17.22**	459	**73.18.08**	465
72.01.30	432	**72.42.21**	443	**73.14.04**	453	**73.17.23**	459	**73.18.09**	465
72.01.40	432	**72.42.22**	443	**73.14.05**	453	**73.17.24**	459	**73.18.10**	465
72.01.41	432	**72.42.90**	443	**73.14.06**	453	**73.17.26**	459	**73.18.11**	465
72.02.10	432	**72.45.20**	444	**73.14.12**	453	**73.17.27**	460	**73.19.00**	454
72.02.15	432	**72.45.25**	444	**73.14.14**	453	**73.17.28**	460	**73.19.01**	454
72.02.18	104	**72.45.30**	444	**73.14.17**	453	**73.17.29**	460	**73.19.02**	454
72.04.10	433	**72.45.50**	444	**73.14.19**	453	**73.17.30**	460	**73.19.03**	454
72.04.20	433	**72.50.05**	445	**73.14.20**	453	**73.17.31**	460	**73.19.04**	454
72.05.05	433	**72.50.10**	445	**73.14.31**	453	**73.17.32**	460	**73.19.05**	454
72.05.10	434	**72.50.11**	445	**73.14.35**	453	**73.17.33**	461	**73.19.06**	454
72.05.15	434	**72.50.25**	446	**73.15.04**	453	**73.17.34**	461	**73.19.07**	455
72.05.45	434	**72.50.51**	446	**73.15.05**	453	**73.17.35**	461	**73.19.08**	455
72.05.60	434	**72.50.95**	447	**73.15.06**	453	**73.17.36**	461	**73.19.09**	455
72.05.61	434	**72.50.96**	447	**73.15.12**	453	**73.17.37**	461	**73.19.10**	455
72.05.63	434	**72.50.97**	447	**73.15.14**	453	**73.17.38**	461	**73.19.11**	455
72.05.80	434	**72.50.97**	475	**73.15.17**	453	**73.17.40**	462	**73.19.12**	455
72.05.81	434	**72.50.98**	447	**73.15.19**	453	**73.17.41**	462	**73.20.00**	454
72.08.00	436	**72.50.99**	447	**73.15.20**	453	**73.17.42**	462	**73.20.01**	454
72.08.11	436	**72.60.10**	448	**73.15.31**	453	**73.17.43**	462	**73.20.02**	454
72.08.12	436	**72.60.21**	448	**73.15.35**	453	**73.17.44**	462	**73.20.03**	454
72.08.13	436	**72.60.22**	448	**73.16.04**	453	**73.17.45**	462	**73.20.04**	454
72.08.20	436	**72.60.23**	448	**73.16.05**	453	**73.17.50**	463	**73.20.05**	454
72.10.01	433	**72.65.13**	449	**73.16.06**	453	**73.17.51**	463	**73.20.06**	454
72.10.02	433	**72.65.15**	449	**73.16.12**	453	**73.17.52**	463	**73.20.07**	455
72.10.03	433	**72.65.17**	449	**73.16.14**	453	**73.17.53**	463	**73.20.08**	455
72.20.05	437	**72.95.10**	450	**73.16.17**	453	**73.17.54**	463	**73.20.09**	455
72.20.35	437	**72.95.14**	450	**73.16.19**	453	**73.17.55**	463	**73.20.10**	455
72.20.40	437	**72.95.19**	450	**73.16.20**	453	**73.17.60**	463	**73.20.11**	455
72.20.70	437	**73.11.04**	452	**73.16.31**	453	**73.17.61**	463	**73.20.12**	455
72.20.85	437	**73.11.12**	452	**73.16.35**	453	**73.17.62**	463	**73.21.00**	454
72.25.01	76	**73.11.17**	452	**73.17.01**	458	**73.17.63**	463	**73.21.01**	454
72.25.01	438	**73.11.20**	452	**73.17.02**	458	**73.17.70**	464	**73.21.02**	454
72.25.15	438	**73.11.31**	452	**73.17.03**	458	**73.17.71**	464	**73.21.03**	454
72.25.20	438	**73.11.35**	452	**73.17.04**	458	**73.17.72**	464	**73.21.04**	454
72.25.30	438	**73.12.04**	452	**73.17.05**	458	**73.17.73**	464	**73.21.05**	454
72.25.35	438	**73.12.12**	452	**73.17.05**	459	**73.17.74**	464	**73.21.06**	454
72.25.37	439	**73.12.17**	452	**73.17.06**	458	**73.17.75**	464	**73.21.07**	455
72.25.38	439	**73.12.20**	452	**73.17.07**	458	**73.17.76**	464	**73.21.08**	455

73.21.09	455	**73.40.10**	469	**73.44.13**	472	**73.49.25**	478	**73.66.01**	501
73.21.10	455	**73.41.20**	469	**73.44.14**	472	**73.49.30**	478	**73.66.02**	501
73.21.11	455	**73.41.30**	469	**73.44.20**	472	**73.49.35**	478	**73.66.03**	501
73.21.12	455	**73.41.40**	469	**73.44.22**	472	**73.49.45**	478	**73.66.04**	501
73.22.00	456	**73.41.50**	469	**73.44.23**	472	**73.49.71**	479	**73.69.00**	502
73.22.01	456	**73.41.60**	469	**73.44.27**	472	**73.49.75**	479	**73.69.50**	503
73.22.02	456	**73.42.20**	469	**73.44.34**	472	**73.49.77**	479	**73.70.15**	504
73.22.03	456	**73.42.30**	469	**73.44.35**	472	**73.49.79**	479	**73.70.16**	504
73.22.04	456	**73.42.40**	469	**73.46.01**	473	**73.50.04**	498	**73.71.15**	504
73.22.05	456	**73.42.50**	469	**73.46.02**	473	**73.50.05**	498	**73.72.32**	504
73.22.06	456	**73.42.60**	469	**73.46.03**	473	**73.50.06**	498	**73.72.33**	504
73.22.07	456	**73.42.82**	469	**73.46.04**	473	**73.50.07**	498	**74.01.01**	484
73.22.08	456	**73.42.92**	469	**73.46.15**	473	**73.50.08**	498	**74.01.02**	484
73.22.09	456	**73.43.01**	470	**73.46.16**	473	**73.50.09**	498	**74.01.06**	484
73.22.10	456	**73.43.03**	470	**73.46.18**	474	**73.50.10**	498	**74.01.07**	484
73.22.30	457	**73.43.05**	470	**73.46.57**	474	**73.50.11**	498	**74.35.20**	481
73.22.31	457	**73.43.06**	470	**73.46.60**	474	**73.50.12**	498	**74.40.05**	87
73.22.32	457	**73.43.08**	470	**73.46.70**	475	**73.50.13**	498	**74.40.06**	87
73.22.40	457	**73.43.10**	470	**73.47.06**	476	**73.57.04**	499	**74.40.07**	87
73.22.41	457	**73.43.13**	470	**73.47.08**	476	**73.57.05**	499	**74.40.08**	87
73.22.42	457	**73.43.14**	470	**73.47.10**	476	**73.57.06**	499	**74.40.09**	87
73.22.50	457	**73.43.15**	470	**73.47.12**	476	**73.57.07**	499	**74.40.10**	87
73.22.51	457	**73.43.18**	470	**73.47.14**	476	**73.57.08**	499	**74.45.10**	485
73.22.52	457	**73.43.19**	470	**73.47.16**	476	**73.57.09**	499	**74.45.11**	485
73.22.60	457	**73.43.20**	470	**73.47.18**	476	**73.57.10**	499	**74.45.20**	485
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73.22.62	457	**73.43.23**	470	**73.47.22**	476	**73.57.12**	499	**74.45.40**	485
73.29.29	452	**73.43.27**	470	**73.47.24**	476	**73.57.13**	499	**74.46.10**	485
73.30.00	466	**73.43.31**	470	**73.47.26**	476	**73.57.54**	499	**74.46.21**	485
73.30.02	466	**73.43.34**	470	**73.47.28**	476	**73.57.55**	499	**74.47.10**	486
73.30.03	466	**73.43.35**	470	**73.47.30**	476	**73.57.56**	499	**74.47.11**	486
73.30.10	466	**73.43.37**	471	**73.47.50**	476	**73.57.57**	499	**74.47.12**	486
73.30.11	466	**73.43.40**	471	**73.47.55**	476	**73.57.58**	499	**74.47.13**	486
73.30.12	466	**73.43.50**	471	**73.48.06**	477	**73.57.59**	499	**74.47.14**	486
73.30.13	466	**73.43.51**	471	**73.48.08**	477	**73.57.60**	499	**74.47.15**	486
73.30.20	466	**73.43.61**	471	**73.48.10**	477	**73.57.61**	499	**74.47.20**	486
73.30.21	466	**73.43.62**	471	**73.48.12**	477	**73.57.62**	499	**74.47.21**	486
73.30.22	466	**73.43.63**	471	**73.48.14**	477	**73.57.63**	499	**74.47.25**	486
73.30.23	466	**73.43.66**	471	**73.48.16**	477	**73.60.58**	499	**74.47.27**	486
73.30.25	466	**73.43.67**	471	**73.48.18**	477	**73.60.59**	499	**74.47.28**	487
73.30.40	467	**73.43.68**	471	**73.48.20**	477	**73.60.60**	499	**74.47.30**	487
73.30.41	467	**73.43.69**	471	**73.48.22**	477	**73.60.61**	499	**74.47.35**	487
73.30.42	467	**73.43.70**	471	**73.48.24**	477	**73.60.62**	499	**74.47.37**	487
73.30.43	467	**73.43.71**	471	**73.48.26**	477	**73.60.63**	499	**74.47.40**	487
73.30.44	467	**73.43.72**	471	**73.48.28**	477	**73.64.70**	499	**74.47.42**	487
73.30.45	467	**73.43.76**	471	**73.48.30**	477	**73.65.15**	500	**74.47.90**	487
73.30.65	466	**73.44.01**	472	**73.48.92**	477	**73.65.32**	500	**74.69.72**	481
73.30.80	467	**73.44.06**	472	**73.48.94**	477	**73.65.33**	500	**74.69.73**	481
73.30.82	468	**73.44.08**	472	**73.48.96**	477	**73.65.40**	501	**74.70.25**	488
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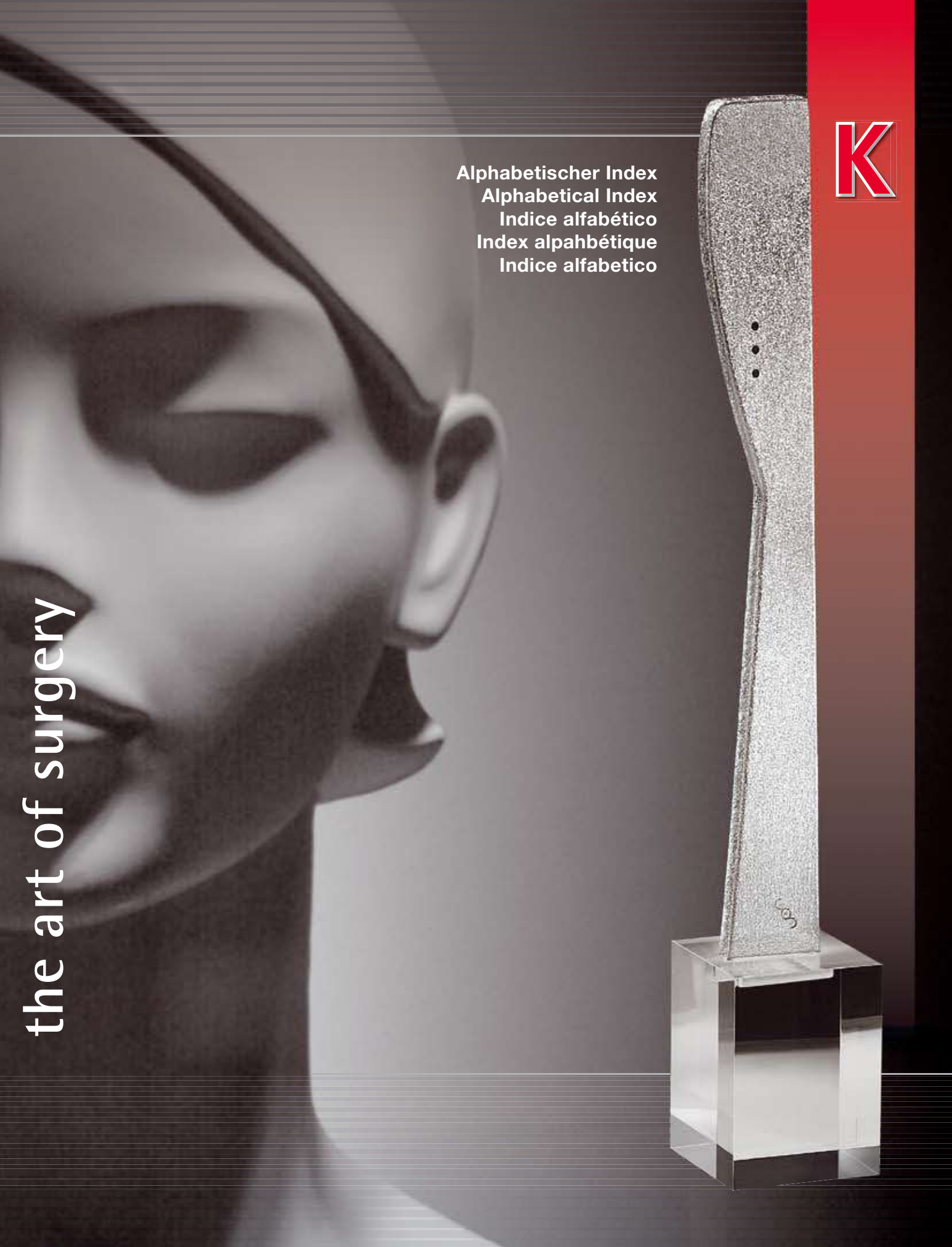
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74.70.95	488	**74.81.27**	490	**87.30.70**	507	**87.33.71**	506	**88.30.28**	523
74.70.97	488	**74.81.57**	490	**87.30.72**	507	**87.33.72**	506	**88.30.31**	523
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Netzwerkübertragungsfehler
Durch einen Netzwerkübertragungsfehler einer Arbeitsstation, wurden die letzten Index-Korrekturen des HNO Katalogs bei der Lese-Kontrolle zwar temporär angezeigt aber leider nicht mehr in der Datenübertragung an die Druckerei berücksichtigt, was nun leider zu fehlenden Seiten im numerischen Index führte.
Nachfolgend der komplette numerische Index.

Index discrepancies due to network problems
Due to a network transmission error at a workstation, the last index corrections of the ENT catalogue were only temporarily displayed correctly during the read-through checks, and unfortunately were not included in the data transfer to the print shop. As a result there are unfortunately some missing pages in the numerical index.
Following the complete numerical index.

Red frente a índice
Debido a un fallo en la transmisión a través de la red de una estación de trabajo, las últimas correcciones del índice del catálogo de otorrinolaringología se visualizaron temporalmente durante la lectura de control, pero no se tuvieron en cuenta en la transmisión de datos hacia la imprenta, lo que provocó que faltaran páginas en el índice numérico.
A continuación encuentren el índice numérico completo.

Réseau contre index
En raison d'une erreur de transmission réseau d'un poste de travail, les dernières corrections de l'index du catalogue ORL, alors qu'elles étaient affichées temporairement lors de la lecture de contrôle, n'ont malheureusement pas été prises en compte lors de la transmission des données à l'imprimerie. Il en résulte que des pages manquent dans l'index numérique.
Suite de l'index numérique.

Rete contro indice
Per effetto di un errore di trasferimento di rete di una stazione di lavoro, durante la lettura di controllo si è effettivamente verificata una visualizzazione temporanea delle ultime correzioni degli indici del catalogo ORL, che però non sono più state inserite nella trasmissione dei dati alla tipografia, causando purtroppo pagine mancanti nell'indice numerico.
Di seguito trovate il completo indice numerico.

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